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Proposal_Information
Title: Exploration of the SN Ia Hubble Diagram at z > 1.2
Proposal_Category: GO
Cycle: 12
Avail_Ok: YES

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Contact: N

Abstract:
In the spirit of a Treasury proposal, we propose to organize, and deliver to the astronomical community, non-proprietary follow-up observations of ~10 Type Ia supernovae at 1<z<1.7 that are expected to be discovered in a Cycle 12 Treasury proposal. Together with the currently available sample, this would provide a Hubble diagram with over 20 SNe Ia in this redshift range, where it is possible to test the current cosmological model in the epoch of deceleration: If z ~ 0.5 SNe Ia are fainter due to evolution rather than an accelerating expansion, they should continue to get fainter at even higher redshifts. This size sample will show trends and outliers, and permit a more rigorous treatment of the asymmetric amplification distribution from gravitational lensing. This is a key redshift range for the studies of dark energy that will be done with future surveys (and future instruments now being designed); this dataset will lay the ground-work for these studies by establishing the simple properties of the supernovae in this redshift range, including magnitudes, colors, and timescales. If considered more appropriate, this proposal could be treated as a part of a Treasury or Director's Discretionary program, since the data would be available to everybody immediately, and we would welcome others who would want to work with us on it.

Questions

Observing_Description:
This form describes observations for the search and follow-up of high redshift Type Ia supernovae. Follow-up sequences will be activated as ToOs aftet target discoveries. The specific strategy chosen at the time of discovery will be based on the candidate plus host galaxy characteristics. The number of follow-up orbits awarded for this program is substantially less than was originally proposed, therefore we expect to be able to find and follow 3+ SNe, not the ~10 stated in the original abstract (above).

Real_Time_Justification:
Calibration_Justification:
Additional_Comments:

Fixed_Targets

Target_Number: 1
Target_Name: HDF-NORTH-GOODS-TILE-NORM-1
Alternate_Names: HDF-NORTH-123655+621419
Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
Position: RA=12H36M35.59S +/- 0.1",DEC=+62D07'29.35" +/- 0.1"
Equinox: J2000
Coordinate_Source: Other_Source: GOODS
RV_or_Z: Z = 1.5
RA_PM: 0.0
Dec_PM: 0.0
Epoch: 2000.0
Annual_Parallax:
Flux:
V = 26.5 +/- 2.0
Other_Fluxes: B-V = 0.3
Comments: Position is GOODS Tile 1

Target_Number: 2
Target_Name: HDF-NORTH-GOODS-TILE-NORM-2
Alternate_Names: HDF-NORTH-123655+621419
Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
Position: RA=12H36M55.08S +/- 0.1",DEC=+62D09'45.48" +/- 0.1"
Equinox: J2000
Coordinate_Source: Other_Source: GOODS
RV_or_Z: Z = 1.5
RA_PM: 0.0
Dec_PM: 0.0
Epoch: 2000.0
Annual_Parallax:
Flux:
V = 26.5 +/- 2.0
Other_Fluxes: B-V = 0.3
Comments: Position is GOODS Tile 2

Target_Number: 3
Target_Name: HDF-NORTH-GOODS-TILE-NORM-3
Alternate_Names: HDF-NORTH-123655+621419
Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
Position: RA=12H37M14.56S +/- 0.1",DEC=+62D12'1.6" +/- 0.1"
Equinox: J2000
Coordinate_Source: Other_Source: GOODS
RV_or_Z: Z = 1.5
RA_PM: 0.0
Dec_PM: 0.0
Epoch: 2000.0
Annual_Parallax:
Flux:
V = 26.5 +/- 2.0
Other_Fluxes: B-V = 0.3
Comments: Position is GOODS Tile 3

Target_Number: 4
Target_Name: HDF-NORTH-GOODS-TILE-NORM-4
Alternate_Names: HDF-NORTH-123655+621419
Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
Position: RA=12H37M34.04S +/- 0.1",DEC=+62D14'17.73" +/- 0.1"
Equinox: J2000
Coordinate_Source: Other_Source: GOODS
RV_or_Z: Z = 1.5
RA_PM: 0.0
Dec_PM: 0.0
Epoch: 2000.0
Annual_Parallax:

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          Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 4

  Target_Number: 5
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-5
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M53.53S +/- 0.1",DEC=+62D16'33.86" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 5

  Target_Number: 6
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-6
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M15.9S +/- 0.1",DEC=+62D09'46.93" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 6

  Target_Number: 7
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-7
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M35.39S +/- 0.1",DEC=+62D12'3.05" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 7

  Target_Number: 8
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-8
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M54.87S +/- 0.1",DEC=+62D14'19.18" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 8

  Target_Number: 9
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-9
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M14.35S +/- 0.1",DEC=+62D16'35.31" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
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       Comments: Position is GOODS Tile 9

  Target_Number: 10
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-10
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M33.84S +/- 0.1",DEC=+62D18'51.43" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 10

  Target_Number: 11
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-11
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H35M56.21S +/- 0.1",DEC=+62D12'4.5" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 11

  Target_Number: 12
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-12
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M15.69S +/- 0.1",DEC=+62D14'20.63" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 12

  Target_Number: 13
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-13
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M35.18S +/- 0.1",DEC=+62D16'36.75" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 13

  Target_Number: 14
    Target_Name: HDF-NORTH-GOODS-TILE-NORM-14
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M54.66S +/- 0.1",DEC=+62D18'52.88" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 14

  Target_Number: 15
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    Target_Name: HDF-NORTH-GOODS-TILE-NORM-15
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M14.15S +/- 0.1",DEC=+62D21'9.01" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile 15

  Target_Number: 16
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-1
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M18.12S +/- 0.1",DEC=+62D07'51.74" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 1

  Target_Number: 17
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-2
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M45.81S +/- 0.1",DEC=+62D07'50.72" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 2

  Target_Number: 18
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-3
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H35M55.59S +/- 0.1",DEC=+62D11'6.23" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 3

  Target_Number: 19
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-4
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M23.29S +/- 0.1",DEC=+62D11'5.2" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 4

  Target_Number: 20
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-5
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
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       Position: RA=12H36M50.98S +/- 0.1",DEC=+62D11'4.18" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 5

  Target_Number: 21
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-6
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M18.68S +/- 0.1",DEC=+62D11'3.16" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 6

  Target_Number: 22
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-7
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M13.19S +/- 0.1",DEC=+62D14'19.08" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 7

  Target_Number: 23
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-8
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M40.88S +/- 0.1",DEC=+62D14'18.06" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 8

  Target_Number: 24
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-9
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M8.58S +/- 0.1",DEC=+62D14'17.03" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 9

  Target_Number: 25
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-10
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M36.28S +/- 0.1",DEC=+62D14'16.01" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
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        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 10

  Target_Number: 26
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-11
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M31.16S +/- 0.1",DEC=+62D17'32.05" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 11

  Target_Number: 27
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-12
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H36M58.86S +/- 0.1",DEC=+62D17'31.03" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 12

  Target_Number: 28
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-13
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M26.57S +/- 0.1",DEC=+62D17'29.87" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 13

  Target_Number: 29
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-14
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M54.27S +/- 0.1",DEC=+62D17'28.84" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 14

  Target_Number: 30
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-15
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M5.44S +/- 0.1",DEC=+62D20'44.44" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
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          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 15

  Target_Number: 31
    Target_Name: HDF-NORTH-GOODS-TILE-TILT-16
Alternate_Names: HDF-NORTH-123655+621419
    Description: UNIDENTIFIED, BLANK FIELD, HIGH LATITUDE FIELD
       Position: RA=12H37M33.13S +/- 0.1",DEC=+62D20'43.42" +/- 0.1"
        Equinox: J2000
Coordinate_Source: Other_Source: GOODS
        RV_or_Z: Z = 1.5
          RA_PM: 0.0
         Dec_PM: 0.0
          Epoch: 2000.0
Annual_Parallax:
           Flux:
V = 26.5 +/- 2.0
   Other_Fluxes: B-V = 0.3
       Comments: Position is GOODS Tile Tilt 16

Solar_System_Targets



Generic_Targets



   Target_Number: 32
    Target_Name: SN120
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 33
    Target_Name: SN135
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 34
    Target_Name: SN150
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 35
    Target_Name: SN120G
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 36
    Target_Name: SN135G
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 37
    Target_Name: SN150G
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 38
    Target_Name: SN120I
```

```
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 39
    Target_Name: SN135I
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 40
    Target_Name: SN150I
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 41
    Target_Name: SN120-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 42
    Target_Name: SN135-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 43
    Target_Name: SN150-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 44
    Target_Name: SN120G-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 45
    Target_Name: SN135G-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 46
    Target_Name: SN150G-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 47
    Target_Name: SN120I-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N
```



```
   Target_Number: 48
    Target_Name: SN135I-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 49
    Target_Name: SN150I-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 50
    Target_Name: SN120-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 51
    Target_Name: SN135-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 52
    Target_Name: SN150-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 53
    Target_Name: SN120G-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 54
    Target_Name: SN135G-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 55
    Target_Name: SN150G-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 56
    Target_Name: SN120I-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 57
    Target_Name: SN135I-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
```

```
       Comments: Position is center of HDF-N

   Target_Number: 58
    Target_Name: SN150I-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 59
    Target_Name: SNL1
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 60
    Target_Name: SNL2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 61
    Target_Name: SNL1-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 62
    Target_Name: SNL2-2
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 63
    Target_Name: SNL1-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

   Target_Number: 64
    Target_Name: SNL2-3
    Description: EXT-STAR, SUPERNOVA TYPE IA
    Criteria: RA = 12H 36M 55.35S +/- 1.2M DEC = +62D 12M 46.1S +- 18M
           Flux:
V = 25.0 +/- 2.0
   Other_Fluxes: R-I=1.0+-1.0
       Comments: Position is center of HDF-N

Pattern_Data



   Pattern_Number: 1
  Primary_Pattern:
     Pattern_Type: ACS-WFC-DITHER-BOX
  Pattern_Purpose: DITHER
 Number_Of_Points: 4
    Point_Spacing: 0.265
 Coordinate_Frame: POS-TARG
   Pattern_Orient: 20.67
   Center_Pattern: NO

   Pattern_Number: 2
  Primary_Pattern:
     Pattern_Type: LINE
  Pattern_Purpose: DITHER
 Number_Of_Points: 2
    Point_Spacing: 1.5
 Coordinate_Frame: POS-TARG
   Pattern_Orient: 0.0
   Center_Pattern: NO
```



```
   Pattern_Number: 3
  Primary_Pattern:
     Pattern_Type: SPIRAL
  Pattern_Purpose: DITHER
 Number_Of_Points: 4
    Point_Spacing: 0.53
 Coordinate_Frame: POS-TARG
   Pattern_Orient: 20.67
   Center_Pattern: NO

   Pattern_Number: 4
  Primary_Pattern:
     Pattern_Type: ACS-WFC-DITHER-LINE
  Pattern_Purpose: DITHER
 Number_Of_Points: 2
    Point_Spacing: 0.1867
 Coordinate_Frame: POS-TARG
   Pattern_Orient: 311.613
   Center_Pattern: NO

   Pattern_Number: 5
  Primary_Pattern:
     Pattern_Type: ACS-WFC-DITHER-LINE
  Pattern_Purpose: DITHER
 Number_Of_Points: 2
    Point_Spacing: 3.011
 Coordinate_Frame: POS-TARG
   Pattern_Orient: 85.28
   Center_Pattern: NO

Visits



      Visit_Number: 01
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "01" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "01"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "01" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "01" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "01" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 02
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
```

```
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-2
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "02" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "02"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "02" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "02" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-2
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "02" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 03
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-3
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "03" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "03"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "03" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "03" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-3
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "03" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 04
Visit_Requirements:
          PCS MODE FINE;
```



```
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-4
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "04" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "04"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "04" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "04" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-4
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "04" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 05
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-5
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "05" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "05"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "05" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "05" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-5
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "05" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S
```

```
      Visit_Number: 06
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-6
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "06" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "06"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "06" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "06" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-6
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "06" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 07
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-7
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "07" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "07"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "07" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "07" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-7
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
```



```
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "07" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 08
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-8
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "08" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "08"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "08" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "08" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-8
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "08" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 09
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-9
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "09" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "09"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "09" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "09" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-9
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
```

```
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements:
       Sub_Exposures: ((set-exposure-properties :visit-number "09" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 10
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-10
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "10" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "10"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "10" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "10" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-10
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "10" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 11
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-11
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "11" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "11"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "11" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "11" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-11
```



```
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "11" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 12
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-12
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "12" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "12"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "12" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "12" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-12
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "12" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 13
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-13
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "13" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "13"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "13" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "13" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
```

```
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-13
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "13" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 14
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-14
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "14" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "14"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "14" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "14" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-14
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "14" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 15
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 45.0D TO 45.0 D;
          ORIENT 135.0D TO 135.0 D;
          ORIENT 225.0D TO 225.0 D;
          ORIENT 315.0D TO 315.0 D;
          BETWEEN 04-MAR-2004:00:00:00 AND 07-MAR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-15
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "15" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "15"
```



```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "15" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "15" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-NORM-15
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "15" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 21
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 02-APR-2004:00:00:00 AND 04-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "21" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "21"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "21" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "21" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "21" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 22
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-2
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          GSPAIR 0416200047F30000000000F0;
          GS ACQ SCENARIO SINGLE;
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "22" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "22"
```

```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "22" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "22" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-2
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "22" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 23
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-3
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          GSPAIR 0416200018F10000000000F0;
          GS ACQ SCENARIO SINGLE;
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "23" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "23"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "23" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "23" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-3
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "23" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 24
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 194.0D TO 194.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-4
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "24" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "24"
```



```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "24" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "24" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-4
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "24" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 25
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-5
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          GSPAIR 0416200047F30000000000F0;
          GS ACQ SCENARIO SINGLE;
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "25" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "25"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "25" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "25" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-5
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "25" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 26
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-6
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          GSPAIR 0416200070F10000000000F0;
          GS ACQ SCENARIO SINGLE;
          PATTERN 1 1
```

```
       Sub_Exposures: ((set-exposure-properties :visit-number "26" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "26"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "26" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "26" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-6
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
       Sub_Exposures: ((set-exposure-properties :visit-number "26" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 27
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-7
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "27" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "27"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "27" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "27" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-7
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
       Sub_Exposures: ((set-exposure-properties :visit-number "27" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 28
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-8
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "28" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "28"
```



```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "28" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "28" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-8
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
       Sub_Exposures: ((set-exposure-properties :visit-number "28" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 29
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-9
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          GSPAIR 0416200075F30000000000F0;
          GS ACQ SCENARIO SINGLE;
          PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "29" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "29"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "29" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "29" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-9
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
       Sub_Exposures: ((set-exposure-properties :visit-number "29" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 30
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-10
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "30" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "30"
```

```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "30" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "30" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-10
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "30" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 31
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-11
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "31" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "31"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "31" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "31" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-11
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "31" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 32
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-12
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "32" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "32"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "32" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
```



```
umber 1 :duration nil) (set-exposure-properties :visit-number "32" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-12
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "32" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 33
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-13
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "33" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "33"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "33" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "33" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-13
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "33" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 34
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-14
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "34" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "34"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "34" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "34" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
```

```
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-14
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "34" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 35
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-15
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "35" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "35"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "35" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "35" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-15
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "35" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 36
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 180.0D TO 180.0 D;
          BETWEEN 01-APR-2004:00:00:00 AND 05-APR-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-16
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "36" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "36"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "36" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "36" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S
```



```
      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-16
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "36" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 41
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "41" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "41"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "41" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "41" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "41" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 42
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-2
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "42" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "42"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "42" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "42" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-2
```

```
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F775W
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "42" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 43
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-3
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F850LP
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "43" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "43"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "43" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "43" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-3
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F775W
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "43" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 44
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-4
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F850LP
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "44" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "44"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "44" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "44" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-4
              Config: ACS/WFC
              Opmode: ACCUM
```



```
            Aperture: WFCENTER
          Sp_Element: F775W
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "44" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 45
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-5
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F850LP
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "45" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "45"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "45" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "45" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-5
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F775W
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
        Sub_Exposures: ((set-exposure-properties :visit-number "45" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 46
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments: 
    Visit_Comments: 

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-6
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F850LP
          Wavelength: 
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 400 S
Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "46" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "46"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "46" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "46" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-6
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFCENTER
          Sp_Element: F775W
```

```
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "46" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 47
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-7
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "47" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "47"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "47" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "47" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-7
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "47" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 48
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-8
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "48" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "48"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "48" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "48" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-8
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
```



```
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "48" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 49
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-9
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "49" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "49"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "49" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "49" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-9
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "49" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 50
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-10
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "50" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "50"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "50" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "50" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-10
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
```

```
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "50" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 51
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-11
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "51" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "51"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "51" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "51" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-11
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "51" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 52
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-12
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "52" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "52"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "52" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "52" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-12
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "52" :exposure-number 2 :ppos nil :cp
```



```
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 53
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-13
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "53" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "53"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "53" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "53" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-13
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "53" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 54
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-14
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "54" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "54"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "54" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "54" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-14
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "54" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S
```

```
      Visit_Number: 55
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-15
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "55" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "55"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "55" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "55" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-15
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "55" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: 56
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 90.0D TO 90.0 D;
          BETWEEN 07-JUL-2004:00:00:00 AND 08-JUL-2004:00:00:00
  On_Hold_Comments:
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-16
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "56" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "56"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "56" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "56" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND - 4/5 ORBIT - 4 DITHER POINTS - 1600S

      Exposure_Number: 2
          Target_Name: HDF-NORTH-GOODS-TILE-TILT-16
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFCENTER
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 400 S
 Special_Requirements:
        Sub_Exposures: ((set-exposure-properties :visit-number "56" :exposure-number 2 :ppos nil :cp
os nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: I-BAND - 1/5 ORBIT - 1 IMAGE - 400S

      Visit_Number: A0
```



```
Visit_Requirements:
          PCS MODE FINE;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 NO GRISM, Z-BAND VISIT 1 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "A0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "A0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: A1
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 NO GRISM, Z-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "A1" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "A1" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: A2
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 NO GRISM, Z-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "A2" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "A2" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: A3
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
```

```
    Visit_Comments: SNIA SEARCH 1, Z=1.20 NO GRISM, Z-BAND VISIT 4 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "A3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "A3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S  OF 4560S

      Exposure_Number: 2
          Target_Name: SN120
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "A3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "A3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "A3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S  OF 4560S

      Visit_Number: A4
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 NO GRISM, J-BAND VISIT 1 OF 4 (1 ORBIT) + H-BAND VISIT 1 OF 2 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "A4" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "A4"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120
```



```
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "A4" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "A4"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: A5
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 29 D TO 30 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 NO GRISM, J-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: A6
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 41 D TO 42 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 NO GRISM, J-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "A6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "A6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: AR
Visit_Requirements:
          PCS MODE FINE;
          AFTER  A0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 NO GRISM, J-BAND VISIT 4 OF 4 (1 ORBIT) + H-BAND VISIT 2 OF 2 (2 ORBITS),  FIN
AL REFS

      Exposure_Number: 1
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
```

```
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "AR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "AR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "AR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "AR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "AR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "AR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: B0
Visit_Requirements:
          PCS MODE FINE;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 NO GRISM, Z-BAND VISIT 1 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "B0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "B0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: B1
Visit_Requirements:
          PCS MODE FINE;
          AFTER  B0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 NO GRISM, Z-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
```



```
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "B1" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "B1" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: B2
Visit_Requirements:
          PCS MODE FINE;
          AFTER  B0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 NO GRISM, Z-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "B2" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "B2" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "B2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "B2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "B2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "B2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: B3
Visit_Requirements:
          PCS MODE FINE;
          AFTER  B0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 NO GRISM, Z-BAND VISIT 4 OF 4 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "B3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "B3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 3 - 4 OF 12 DITHER POINTS - 2200S OF 6920S
```

```
      Exposure_Number: 2
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements: 
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "B3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "B3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "B3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "B3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Exposure_Number: 3
          Target_Name: SN135
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements: 
          POS TARG 0,-0.2485;
          PATTERN 1 3
        Sub_Exposures: ((set-exposure-properties :visit-number "B3" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "B3"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "B3" :exposure-number 3 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "B3" :exposure-number 3 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 3 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Visit_Number: B4
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  B0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 NO GRISM, J-BAND VISIT 1 OF 4 (1 ORBIT) + H-BAND VISIT 1 OF 2 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "B4" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "B4"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135
               Config: NIC2
```



```
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "B4" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "B4"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: B5
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  B0 BY 29 D TO 30 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 NO GRISM, J-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: B6
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  B0 BY 41 D TO 42 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 NO GRISM, J-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "B6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "B6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: BR
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  B0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 NO GRISM, J-BAND VISIT 4 OF 4 (1 ORBIT) + H-BAND VISIT 2 OF 2 (2 ORBITS),  FIN
AL REFS

      Exposure_Number: 1
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
```

```
        PATTERN 2 1
      Sub_Exposures: ((set-exposure-properties :visit-number "BR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "BR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments: J-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "BR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "BR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "BR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "BR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: C0
Visit_Requirements:
          PCS MODE FINE;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 NO GRISM, Z-BAND VISIT 1 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "C0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "C0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "C0" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "C0"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "C0" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "C0" :exposure-number 2 :ppos 4 :cpos
```



```
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: C1
Visit_Requirements:
          PCS MODE FINE;
          AFTER  C0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 NO GRISM, Z-BAND VISIT 2 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "C1" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "C1" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "C1" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "C1"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "C1" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "C1" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: C2
Visit_Requirements:
          PCS MODE FINE;
          AFTER  C0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 NO GRISM, Z-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "C2" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "C2" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
```

```
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
         POS TARG 0,0.2485;
         PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "C2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "C2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "C2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "C2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
            Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: C3
Visit_Requirements:
         PCS MODE FINE;
         AFTER  C0 BY 35 D TO 36 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 NO GRISM, Z-BAND VISIT 4 OF 4 (3 ORBITS)

      Exposure_Number: 1
         Target_Name: SN150
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
         PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "C3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "C3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 3 - 4 OF 12 DITHER POINTS - 2200S OF 6920S

      Exposure_Number: 2
         Target_Name: SN150
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
         POS TARG 0,0.2485;
         PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "C3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "C3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "C3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "C3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
            Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Exposure_Number: 3
         Target_Name: SN150
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
         POS TARG 0,-0.2485;
         PATTERN 1 3
        Sub_Exposures: ((set-exposure-properties :visit-number "C3" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "C3"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "C3" :exposure-number 3 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "C3" :exposure-number 3 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
            Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 3 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Visit_Number: C4
Visit_Requirements:
         PCS MODE FINE;
         AFTER  C0 BY 5 D TO 6 D;
         ON HOLD
```



```
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 NO GRISM, J-BAND VISIT 1 OF 4 (1 ORBIT) + H-BAND VISIT 1 OF 2 (2 ORBITS)

      Exposure_Number: 1
         Target_Name: SN150
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F110W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: J-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
         Target_Name: SN150
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F160W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "C4" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "C4"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
            Comments: H-BAND EPOCH 1 OF 2 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
         Target_Name: SN150
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F160W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         POS TARG 1.5,0;
         PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "C4" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "C4"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
            Comments: H-BAND EPOCH 1 OF 2 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: C5
Visit_Requirements:
         PCS MODE FINE;
         AFTER  C0 BY 29 D TO 30 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 NO GRISM, J-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
         Target_Name: SN150
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F110W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: J-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: C6
Visit_Requirements:
         PCS MODE FINE;
         AFTER  C0 BY 41 D TO 42 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
```

```
   Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 NO GRISM, J-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN150
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "C6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "C6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: CR
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  C0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 NO GRISM, J-BAND VISIT 4 OF 4 (1 ORBIT) + H-BAND VISIT 2 OF 2 (2 ORBITS),  FIN
AL REFS

      Exposure_Number: 1
          Target_Name: SN150
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "CR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "CR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "CR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "CR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN150
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "CR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "CR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: D0
Visit_Requirements: 
          PCS MODE FINE;
          ORIENT 0.0D TO 30.0 D;
```



```
          GROUP D0,D1,D2 WITHIN 24.0H;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: KEEP FIXED ORIENT OF VISITS D0 THROUGH D2.
SNIA SEARCH 1, Z=1.20 W/GRISM, Z-BAND VISIT 1 OF 4 (1 ORBIT), GRISM VISIT 1 OF 3 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "D0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "D0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Exposure_Number: 2
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1296 S
 Special_Requirements: 
          PATTERN 4 2
        Sub_Exposures: ((set-exposure-properties :visit-number "D0" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "D0"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 1 OF 7 - 2 OF 14 DITHER POINTS - TOTAL 18100S

      Visit_Number: D1
Visit_Requirements: 
          PCS MODE FINE;
          SAME ORIENT AS D0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 W/GRISM, GRISM VISIT 2 OF 3 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements: 
          POS TARG 0.124,0.233;
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 2 OF 7 - 2 OF 14 DITHER POINTS - TOTAL 18100S

      Exposure_Number: 2
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements: 
          POS TARG 0.496,-0.186;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "D1" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "D1"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "D1" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "D1" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
```

```
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 3-4 OF 7 - 4 OF 14 DITHER POINTS - TOTAL 18100S

      Visit_Number: D2
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS D0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 W/GRISM, GRISM VISIT 3 OF 3 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements:
          POS TARG 0.372,0.327;
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 5 OF 7 - 2 OF 14 DITHER POINTS - TOTAL 18100S

      Exposure_Number: 2
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements:
          POS TARG 0.744,0.281;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "D2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "D2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "D2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "D2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 6-7 OF 7 - 4 OF 14 DITHER POINTS - TOTAL 18100S

      Visit_Number: D3
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 W/GRISM, Z-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "D3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "D3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: D4
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 W/GRISM, Z-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: ACS/WFC
```



```
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "D4" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "D4" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: D5
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 W/GRISM, Z-BAND VISIT 4 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "D5" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "D5" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S  OF 4560S

      Exposure_Number: 2
          Target_Name: SN120G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "D5" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D5"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "D5" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "D5" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S  OF 4560S

      Visit_Number: D6
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 W/GRISM, J-BAND VISIT 1 OF 4 (1 ORBIT) + H-BAND VISIT 1 OF 2 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D6" :exposure-number 1 :ppos 1 :cpos
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 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: J-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "D6" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "D6"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "D6" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "D6"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: D7
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 29 D TO 30 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 W/GRISM, J-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D7" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D7"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: D8
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 41 D TO 42 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 W/GRISM, J-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "D8" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "D8"
```



```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: DR
Visit_Requirements:
          PCS MODE FINE;
          AFTER  D0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 W/GRISM, J-BAND VISIT 4 OF 4 (1 ORBIT) + H-BAND VISIT 2 OF 2 (2 ORBITS),  FINA
L REFS

      Exposure_Number: 1
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "DR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "DR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "DR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "DR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "DR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "DR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: E0
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 0.0D TO 30.0 D;
          GROUP E0,E1,E2,E3 WITHIN 24.0H;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: KEEP FIXED ORIENT OF VISITS E0 THROUGH E3.
SNIA SEARCH 1, Z=1.35 W/GRISM, Z-BAND VISIT 1 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
```

```
        PATTERN 1 1
      Sub_Exposures: ((set-exposure-properties :visit-number "E0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "E0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "E0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: E1
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS E0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 W/GRISM, GRISM VISIT 1 OF 3 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements:
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 1 OF 9 - 2 OF 14 DITHER POINTS - TOTAL 23200S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements:
          POS TARG 0.496,-0.186;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "E1" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E1"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "E1" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "E1" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 2-3 OF 9 - 4 OF 14 DITHER POINTS - TOTAL 23200S

      Visit_Number: E2
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS E0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 W/GRISM, GRISM VISIT 2 OF 3 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements:
          POS TARG 0.124,0.233;
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 4 OF 9 - 2 OF 14 DITHER POINTS - TOTAL 23200S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
```



```
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements:
          POS TARG 0.744,0.281;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "E2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "E2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "E2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 5-6 OF 9 - 4 OF 14 DITHER POINTS - TOTAL 23200S

      Visit_Number: E3
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS E0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 W/GRISM, GRISM VISIT 3 OF 3 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements:
          POS TARG 0.372,0.327;
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 7 OF 9 - 2 OF 14 DITHER POINTS - TOTAL 23200S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements:
          POS TARG 0.496,-0.186;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "E3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "E3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "E3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 8-9 OF 9 - 4 OF 14 DITHER POINTS - TOTAL 23200S

      Visit_Number: E4
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 W/GRISM, Z-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "E4" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "E4" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S
```

```
      Visit_Number: E5
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 W/GRISM, Z-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "E5" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "E5" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "E5" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E5"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "E5" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "E5" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: E6
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 W/GRISM, Z-BAND VISIT 4 OF 4 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "E6" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "E6" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 3 - 4 OF 12 DITHER POINTS - 2200S OF 6920S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
```



```
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "E6" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E6"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "E6" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "E6" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Exposure_Number: 3
          Target_Name: SN135G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,-0.2485;
          PATTERN 1 3
        Sub_Exposures: ((set-exposure-properties :visit-number "E6" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E6"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "E6" :exposure-number 3 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "E6" :exposure-number 3 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 3 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Visit_Number: E7
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 W/GRISM, J-BAND VISIT 1 OF 4 (1 ORBIT) + H-BAND VISIT 1 OF 2 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E7" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E7"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "E7" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "E7"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
```

```
        Sub_Exposures: ((set-exposure-properties :visit-number "E7" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "E7"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: E8
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 29 D TO 30 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 W/GRISM, J-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E8" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E8"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: E9
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 41 D TO 42 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 W/GRISM, J-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "E9" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "E9"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: ER
Visit_Requirements:
          PCS MODE FINE;
          AFTER  E0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 W/GRISM, J-BAND VISIT 4 OF 4 (1 ORBIT) + H-BAND VISIT 2 OF 2 (2 ORBITS),  FINA
L REFS

      Exposure_Number: 1
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "ER" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "ER"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
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             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "ER" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "ER"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "ER" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "ER"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: F0
Visit_Requirements:
          PCS MODE FINE;
          ORIENT 0.0D TO 30.0 D;
          GROUP F0,F1,F2,F3,F4 WITHIN 24.0H;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: KEEP FIXED ORIENT OF VISITS F0 THROUGH F4.
SNIA SEARCH 1, Z=1.50 W/GRISM, Z-BAND VISIT 1 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "F0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "F0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "F0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "F0" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F0"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F0" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "F0" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: F1
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS F0;
```

```
        ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, GRISM VISIT 1 OF 4 (3 ORBITS)

     Exposure_Number: 1
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1240 S
Special_Requirements:
         PATTERN 4 1
       Sub_Exposures: ((set-exposure-properties :visit-number "F1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 1 OF 11 - 2 OF 14 DITHER POINTS - TOTAL 28300S

     Exposure_Number: 2
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1314 S
Special_Requirements:
         POS TARG 0.496,-0.186;
         PATTERN 1 2
       Sub_Exposures: ((set-exposure-properties :visit-number "F1" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F1"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F1" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "F1" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 2-3 OF 11 - 4 OF 14 DITHER POINTS - TOTAL 28300S

      Visit_Number: F2
Visit_Requirements:
         PCS MODE FINE;
         SAME ORIENT AS F0;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, GRISM VISIT 2 OF 4 (3 ORBITS)

     Exposure_Number: 1
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1240 S
Special_Requirements:
         POS TARG 0.124,0.233;
         PATTERN 4 1
       Sub_Exposures: ((set-exposure-properties :visit-number "F2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 4 OF 11 - 2 OF 14 DITHER POINTS - TOTAL 28300S

     Exposure_Number: 2
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1314 S
Special_Requirements:
         POS TARG 0.744,0.281;
         PATTERN 1 2
       Sub_Exposures: ((set-exposure-properties :visit-number "F2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "F2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 5-6 OF 11 - 4 OF 14 DITHER POINTS - TOTAL 28300S
```



```
      Visit_Number: F3
Visit_Requirements:
         PCS MODE FINE;
         SAME ORIENT AS F0;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, GRISM VISIT 3 OF 3 (3 ORBITS)

     Exposure_Number: 1
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1240 S
Special_Requirements:
         POS TARG 0.372,0.327;
         PATTERN 4 1
       Sub_Exposures: ((set-exposure-properties :visit-number "F3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 7 OF 11 - 2 OF 14 DITHER POINTS - TOTAL 28300S

     Exposure_Number: 2
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1314 S
Special_Requirements:
         POS TARG 0.496,-0.186;
         PATTERN 1 2
       Sub_Exposures: ((set-exposure-properties :visit-number "F3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "F3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 8-9 OF 11 - 4 OF 14 DITHER POINTS - TOTAL 28300S

      Visit_Number: F4
Visit_Requirements:
         PCS MODE FINE;
         SAME ORIENT AS F0;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, GRISM VISIT 3 OF 3 (3 ORBITS)

     Exposure_Number: 1
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1240 S
Special_Requirements:
         POS TARG 0.124,0.233;
         PATTERN 4 1
       Sub_Exposures: ((set-exposure-properties :visit-number "F4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: GRISM EPOCH 1 OF 1 - ORBIT 10 OF 11 - 2 OF 14 DITHER POINTS - TOTAL 28300S

     Exposure_Number: 2
         Target_Name: SN150G
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: G800L
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 1314 S
Special_Requirements:
         POS TARG 0.372,0.327;
         PATTERN 4 2
       Sub_Exposures: ((set-exposure-properties :visit-number "F4" :exposure-number 2 :ppos 1 :cpos
```

```
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F4"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: GRISM EPOCH 1 OF 1 - ORBIT 11 OF 11 - 2 OF 14 DITHER POINTS - TOTAL 28300S

      Visit_Number: F5
Visit_Requirements:
          PCS MODE FINE;
          AFTER  F0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, Z-BAND VISIT 2 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "F5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "F5" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "F5" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "F5" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F5"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F5" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "F5" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: F6
Visit_Requirements:
          PCS MODE FINE;
          AFTER  F0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, Z-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "F6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "F6" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "F6" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
```



```
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "F6" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F6"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F6" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "F6" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: F7
Visit_Requirements:
          PCS MODE FINE;
          AFTER  F0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 W/GRISM, Z-BAND VISIT 4 OF 4 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "F7" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F7"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "F7" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "F7" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 3 - 4 OF 12 DITHER POINTS - 2200S OF 6920S

      Exposure_Number: 2
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "F7" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F7"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F7" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "F7" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Exposure_Number: 3
          Target_Name: SN150G
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,-0.2485;
          PATTERN 1 3
        Sub_Exposures: ((set-exposure-properties :visit-number "F7" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F7"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "F7" :exposure-number 3 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "F7" :exposure-number 3 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 3 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Visit_Number: F8
Visit_Requirements:
          PCS MODE FINE;
          AFTER  F0 BY 5 D TO 6 D;
```

```
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 W/GRISM, J-BAND VISIT 1 OF 4 (1 ORBIT) + H-BAND VISIT 1 OF 2 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "F8" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F8"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "F8" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "F8"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "F8" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "F8"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 2 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: F9
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  F0 BY 29 D TO 30 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 W/GRISM, J-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "F9" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "F9"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: FA
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  F0 BY 41 D TO 42 D;
          ON HOLD
```



```
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 W/GRISM, J-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "FA" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "FA"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: FR
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  F0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 W/GRISM, J-BAND VISIT 4 OF 4 (1 ORBIT) + H-BAND VISIT 2 OF 2 (2 ORBITS),  FINA
L REFS

      Exposure_Number: 1
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "FR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "FR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "FR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "FR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN150G
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "FR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "FR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 2 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: G0
Visit_Requirements: 
          PCS MODE FINE;
```

```
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 MORE IR, Z-BAND VISIT 1 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "G0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "G0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: G1
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  G0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 MORE IR, Z-BAND VISIT 2 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "G1" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "G1" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: G2
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  G0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 MORE IR, Z-BAND VISIT 3 OF 4 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "G2" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "G2" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: G3
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  G0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.20 MORE IR, Z-BAND VISIT 4 OF 4 (2 ORBITS)
```



```
      Exposure_Number: 1
          Target_Name: SN120I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements: 
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "G3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "G3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S  OF 4560S

      Exposure_Number: 2
          Target_Name: SN120I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements: 
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "G3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "G3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "G3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S  OF 4560S

      Visit_Number: G4
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  G0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 MORE IR, J-BAND VISIT 1 OF 5 (1 ORBIT) + H-BAND VISIT 1 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "G4" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "G4"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
```

```
            Aperture: NIC2
          Sp_Element: F160W
          Wavelength:
 Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
Number_of_Iterations: 1
   Time_Per_Exposure: DEF
Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "G4" :exposure-number 3 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "G4"
:exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: G5
Visit_Requirements:
          PCS MODE FINE;
          AFTER  G0 BY 17 D TO 18 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 MORE IR, J-BAND VISIT 2 OF 5 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G5" :exposure-number 1 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G5"
:exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: G6
Visit_Requirements:
          PCS MODE FINE;
          AFTER  G0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 MORE IR, J-BAND VISIT 3 OF 5 (1 ORBIT) + H-BAND VISIT 2 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G6" :exposure-number 1 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G6"
:exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "G6" :exposure-number 2 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "G6"
:exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
```



```
          Sp_Element: F160W
          Wavelength:
 Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
Number_of_Iterations: 1
   Time_Per_Exposure: DEF
Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "G6" :exposure-number 3 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "G6"
:exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: G7
Visit_Requirements:
          PCS MODE FINE;
          AFTER  G0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 MORE IR, J-BAND VISIT 4 OF 5 (1 ORBIT) + H-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "G7" :exposure-number 1 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "G7"
:exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "G7" :exposure-number 2 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "G7"
:exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "G7" :exposure-number 3 :ppos 1 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "G7"
:exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: GR
Visit_Requirements:
          PCS MODE FINE;
          AFTER  G0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.20 MORE IR, J-BAND VISIT 5 OF 5 (1 ORBIT) + H-BAND VISIT 4 OF 4 (2 ORBITS), FINAL
 REFS

      Exposure_Number: 1
          Target_Name: SN120I
               Config: NIC2
               Opmode: MULTIACCUM
```

```
           Aperture: NIC2
          Sp_Element: F110W
          Wavelength:
 Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
Number_of_Iterations: 1
   Time_Per_Exposure: DEF
Special_Requirements:
         PATTERN 2 1
       Sub_Exposures: ((set-exposure-properties :visit-number "GR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "GR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: J-BAND EPOCH 5 OF 5 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

     Exposure_Number: 2
         Target_Name: SN120I
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F160W
          Wavelength:
 Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
Number_of_Iterations: 1
   Time_Per_Exposure: DEF
Special_Requirements:
         PATTERN 2 2
       Sub_Exposures: ((set-exposure-properties :visit-number "GR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "GR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
            Comments: H-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

     Exposure_Number: 3
         Target_Name: SN120I
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F160W
          Wavelength:
 Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
Number_of_Iterations: 1
   Time_Per_Exposure: DEF
Special_Requirements:
         POS TARG 1.5,0;
         PATTERN 2 3
       Sub_Exposures: ((set-exposure-properties :visit-number "GR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "GR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
            Comments: H-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: H0
Visit_Requirements:
         PCS MODE FINE;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 MORE IR, Z-BAND VISIT 1 OF 4 (1 ORBIT)

     Exposure_Number: 1
         Target_Name: SN135I
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 552 S
Special_Requirements:
         PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "H0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "H0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "H0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: H1
Visit_Requirements:
         PCS MODE FINE;
         AFTER  H0 BY 11 D TO 12 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 MORE IR, Z-BAND VISIT 2 OF 4 (1 ORBIT)

     Exposure_Number: 1
         Target_Name: SN135I
              Config: ACS/WFC
```



```
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 552 S
Special_Requirements:
         PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "H1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "H1" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "H1" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 1 - 4 DITHER POINTS - 2200S

      Visit_Number: H2
Visit_Requirements:
         PCS MODE FINE;
         AFTER  H0 BY 23 D TO 24 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 MORE IR, Z-BAND VISIT 3 OF 4 (2 ORBITS)

     Exposure_Number: 1
         Target_Name: SN135I
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 552 S
Special_Requirements:
         PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "H2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "H2" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "H2" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
            Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

     Exposure_Number: 2
         Target_Name: SN135I
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 589 S
Special_Requirements:
         POS TARG 0,0.2485;
         PATTERN 1 2
       Sub_Exposures: ((set-exposure-properties :visit-number "H2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "H2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "H2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "H2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
            Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: H3
Visit_Requirements:
         PCS MODE FINE;
         AFTER  H0 BY 35 D TO 36 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.35 MORE IR, Z-BAND VISIT 4 OF 4 (3 ORBITS)

     Exposure_Number: 1
         Target_Name: SN135I
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
 Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
   Time_Per_Exposure: 552 S
Special_Requirements:
         PATTERN 1 1
       Sub_Exposures: ((set-exposure-properties :visit-number "H3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H3"
```

```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "H3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "H3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 3 - 4 OF 12 DITHER POINTS - 2200S OF 6920S

      Exposure_Number: 2
          Target_Name: SN135I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements: 
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "H3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "H3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "H3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "H3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Exposure_Number: 3
          Target_Name: SN135I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength: 
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements: 
          POS TARG 0,-0.2485;
          PATTERN 1 3
        Sub_Exposures: ((set-exposure-properties :visit-number "H3" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "H3"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "H3" :exposure-number 3 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "H3" :exposure-number 3 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 3 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Visit_Number: H4
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  H0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 MORE IR, J-BAND VISIT 1 OF 5 (1 ORBIT) + H-BAND VISIT 1 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "H4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "H4" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "H4"
```



```
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "H4" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "H4"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: H5
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  H0 BY 17 D TO 18 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 MORE IR, J-BAND VISIT 2 OF 5 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "H5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: H6
Visit_Requirements: 
          PCS MODE FINE;
          AFTER  H0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 MORE IR, J-BAND VISIT 3 OF 5 (1 ORBIT) + H-BAND VISIT 2 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "H6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength: 
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements: 
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "H6" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "H6"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
```

```
             Comments: H-BAND EPOCH 2 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "H6" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "H6"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: H7
Visit_Requirements:
          PCS MODE FINE;
          AFTER  H0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.35 MORE IR, J-BAND VISIT 4 OF 5 (1 ORBIT) + H-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "H7" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "H7"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "H7" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "H7"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "H7" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "H7"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: HR
Visit_Requirements:
          PCS MODE FINE;
          AFTER  H0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
```



```
SNIA SEARCH 1, Z=1.35 MORE IR, J-BAND VISIT 5 OF 5 (1 ORBIT) + H-BAND VISIT 4 OF 4 (2 ORBITS), FINAL
 REFS

      Exposure_Number: 1
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "HR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "HR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 5 OF 5 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "HR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "HR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
          Target_Name: SN135I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "HR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "HR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: I0
Visit_Requirements:
          PCS MODE FINE;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 MORE IR, Z-BAND VISIT 1 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "I0" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "I0" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
```

```
           Aperture: WFC
         Sp_Element: F850LP
         Wavelength:
Optional_Parameters: GAIN=1,CR-SPLIT=NO
Number_of_Iterations: 1
  Time_Per_Exposure: 589 S
Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
      Sub_Exposures: ((set-exposure-properties :visit-number "I0" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I0"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "I0" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "I0" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
           Comments: Z-BAND EPOCH 1 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: I1
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 11 D TO 12 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 MORE IR, Z-BAND VISIT 2 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "I1" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "I1" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "I1" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I1"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "I1" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "I1" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 2 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: I2
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 MORE IR, Z-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I2"
```



```
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "I2" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "I2" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 4 OF 8 DITHER POINTS - 2200S OF 4560S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "I2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "I2" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "I2" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 4 OF 8 DITHER POINTS - 2360S OF 4560S

      Visit_Number: I3
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO activation
    Visit_Comments: SNIA SEARCH 1, Z=1.50 MORE IR, Z-BAND VISIT 4 OF 4 (3 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 552 S
 Special_Requirements:
          PATTERN 1 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) (set-expos
ure-properties :visit-number "I3" :exposure-number 1 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 1 :duration nil) (set-exposure-properties :visit-number "I3" :exposure-number 1 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 1 OF 3 - 4 OF 12 DITHER POINTS - 2200S OF 6920S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,0.2485;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "I3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "I3" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "I3" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 2 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Exposure_Number: 3
          Target_Name: SN150I
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 589 S
 Special_Requirements:
          POS TARG 0,-0.2485;
```

```
        PATTERN 1 3
      Sub_Exposures: ((set-exposure-properties :visit-number "I3" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I3"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "I3" :exposure-number 3 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 2 :duration nil) (set-exposure-properties :visit-number "I3" :exposure-number 3 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 2 :duration nil) )
           Comments: Z-BAND EPOCH 4 OF 4 - ORBIT 3 OF 3 - 4 OF 12 DITHER POINTS - 2360S OF 6920S

      Visit_Number: I4
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 5 D TO 6 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 MORE IR, J-BAND VISIT 1 OF 5 (1 ORBIT) + H-BAND VISIT 1 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 1 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "I4" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I4"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "I4" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "I4"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 1 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: I5
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 17 D TO 18 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 MORE IR, J-BAND VISIT 2 OF 5 (1 ORBIT)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
```



```
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 2 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Visit_Number: I6
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 23 D TO 24 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 MORE IR, J-BAND VISIT 3 OF 5 (1 ORBIT) + H-BAND VISIT 2 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 3 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "I6" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I6"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "I6" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "I6"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 2 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: I7
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 35 D TO 36 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 MORE IR, J-BAND VISIT 4 OF 5 (1 ORBIT) + H-BAND VISIT 3 OF 4 (2 ORBITS)

      Exposure_Number: 1
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
```

```
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "I7" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "I7"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 4 OF 5 - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "I7" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "I7"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 3 OF 4 - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Exposure_Number: 3
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "I7" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "I7"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 3 OF 4 - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688S OF 5376S

      Visit_Number: IR
Visit_Requirements:
          PCS MODE FINE;
          AFTER  I0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS
SNIA SEARCH 1, Z=1.50 MORE IR, J-BAND VISIT 5 OF 5 (1 ORBIT) + H-BAND VISIT 4 OF 4 (2 ORBITS), FINAL
 REFS

      Exposure_Number: 1
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "IR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "IR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments: J-BAND EPOCH 5 OF 5 - FINAL REFS - ORBIT 1 OF 1 - 2 DITHER POINTS - 2688S

      Exposure_Number: 2
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 2
        Sub_Exposures: ((set-exposure-properties :visit-number "IR" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "IR"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments: H-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 1 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Exposure_Number: 3
```



```
          Target_Name: SN150I
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F160W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          POS TARG 1.5,0;
          PATTERN 2 3
        Sub_Exposures: ((set-exposure-properties :visit-number "IR" :exposure-number 3 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 3 :duration nil) (set-exposure-properties :visit-number "IR"
 :exposure-number 3 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments: H-BAND EPOCH 4 OF 4 - FINAL REFS - ORBIT 2 OF 2 - 2 OF 4 DITHER POINTS - 2688
S OF 5376S

      Visit_Number: J0
Visit_Requirements:
          PCS MODE FINE;
          GROUP J0,JA,JB WITHIN 24.0H;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
          PATTERN 5 1
        Sub_Exposures: ((set-exposure-properties :visit-number "J0" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J0"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments:

      Exposure_Number: 2
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F775W
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
          PATTERN 5 2
        Sub_Exposures: ((set-exposure-properties :visit-number "J0" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J0"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments:

      Visit_Number: J1
Visit_Requirements:
          PCS MODE FINE;
          AFTER  J0 BY 12 D TO 13 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments:

      Exposure_Number: 1
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: F850LP
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
          PATTERN 5 1
        Sub_Exposures: ((set-exposure-properties :visit-number "J1" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J1"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments:

      Exposure_Number: 2
          Target_Name: SNL1
               Config: ACS/WFC
```

```
             Opmode: ACCUM
           Aperture: WFC
         Sp_Element: F775W
         Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
         PATTERN 5 2
       Sub_Exposures: ((set-exposure-properties :visit-number "J1" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J1"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Visit_Number: J2
Visit_Requirements:
         PCS MODE FINE;
         AFTER  J0 BY 24 D TO 25 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments:

      Exposure_Number: 1
         Target_Name: SNL1
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
         PATTERN 5 1
       Sub_Exposures: ((set-exposure-properties :visit-number "J2" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J2"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Exposure_Number: 2
         Target_Name: SNL1
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F775W
          Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
         PATTERN 5 2
       Sub_Exposures: ((set-exposure-properties :visit-number "J2" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J2"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Visit_Number: J3
Visit_Requirements:
         PCS MODE FINE;
         AFTER  J0 BY 35 D TO 36 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments:

      Exposure_Number: 1
         Target_Name: SNL1
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F850LP
          Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
         PATTERN 5 1
       Sub_Exposures: ((set-exposure-properties :visit-number "J3" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J3"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Exposure_Number: 2
         Target_Name: SNL1
              Config: ACS/WFC
              Opmode: ACCUM
            Aperture: WFC
          Sp_Element: F775W
          Wavelength:
```



```
  Optional_Parameters: GAIN=1,CR-SPLIT=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 546 S
 Special_Requirements:
         PATTERN 5 2
       Sub_Exposures: ((set-exposure-properties :visit-number "J3" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J3"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Visit_Number: J4
Visit_Requirements:
         PCS MODE FINE;
         AFTER  J0 BY 5 D TO 6 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS

      Exposure_Number: 1
         Target_Name: SNL1
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F110W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         PATTERN 2 1
       Sub_Exposures: ((set-exposure-properties :visit-number "J4" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J4"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Visit_Number: J5
Visit_Requirements:
         PCS MODE FINE;
         AFTER  J0 BY 18 D TO 19 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS

      Exposure_Number: 1
         Target_Name: SNL1
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F110W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         PATTERN 2 1
       Sub_Exposures: ((set-exposure-properties :visit-number "J5" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J5"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Visit_Number: J6
Visit_Requirements:
         PCS MODE FINE;
         AFTER  J0 BY 30 D TO 31 D;
         ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS

      Exposure_Number: 1
         Target_Name: SNL1
              Config: NIC2
              Opmode: MULTIACCUM
            Aperture: NIC2
          Sp_Element: F110W
          Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
         PATTERN 2 1
       Sub_Exposures: ((set-exposure-properties :visit-number "J6" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "J6"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
           Comments:

      Visit_Number: JR
Visit_Requirements:
         PCS MODE FINE;
```

```
          AFTER  J0 BY 370 D TO 390 D;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: PLEASE SCHEDULE IN SAA-free ORBITS

      Exposure_Number: 1
          Target_Name: SNL1
               Config: NIC2
               Opmode: MULTIACCUM
             Aperture: NIC2
           Sp_Element: F110W
           Wavelength:
  Optional_Parameters: SAMP-SEQ=SPARS64,NSAMP=23
 Number_of_Iterations: 1
    Time_Per_Exposure: DEF
 Special_Requirements:
          PATTERN 2 1
        Sub_Exposures: ((set-exposure-properties :visit-number "JR" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "JR"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments:

      Visit_Number: JA
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS J0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: FIX ORIENT TO J0

      Exposure_Number: 1
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements:
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "JA" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "JA"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments:

      Exposure_Number: 2
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements:
          POS TARG 0.496,-0.186;
          PATTERN 1 2
        Sub_Exposures: ((set-exposure-properties :visit-number "JA" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "JA"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) (set-expos
ure-properties :visit-number "JA" :exposure-number 2 :ppos 3 :cpos nil :copy nil :split nil :orbit-n
umber 3 :duration nil) (set-exposure-properties :visit-number "JA" :exposure-number 2 :ppos 4 :cpos
nil :copy nil :split nil :orbit-number 3 :duration nil) )
             Comments:

      Visit_Number: JB
Visit_Requirements:
          PCS MODE FINE;
          SAME ORIENT AS J0;
          ON HOLD
  On_Hold_Comments: Wait for ToO Activation
    Visit_Comments: FIX ORIENT TO J0

      Exposure_Number: 1
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1240 S
 Special_Requirements:
          POS TARG 0.372,0.327;
```



```
          PATTERN 4 1
        Sub_Exposures: ((set-exposure-properties :visit-number "JB" :exposure-number 1 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 1 :duration nil) (set-exposure-properties :visit-number "JB"
 :exposure-number 1 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 1 :duration nil) )
             Comments:

      Exposure_Number: 2
          Target_Name: SNL1
               Config: ACS/WFC
               Opmode: ACCUM
             Aperture: WFC
           Sp_Element: G800L
           Wavelength:
  Optional_Parameters: GAIN=1,CR-SPLIT=NO,AUTOIMAGE=NO
 Number_of_Iterations: 1
    Time_Per_Exposure: 1314 S
 Special_Requirements:
          POS TARG 0.124,0.233;
          PATTERN 4 2
        Sub_Exposures: ((set-exposure-properties :visit-number "JB" :exposure-number 2 :ppos 1 :cpos
 nil :copy nil :split nil :orbit-number 2 :duration nil) (set-exposure-properties :visit-number "JB"
 :exposure-number 2 :ppos 2 :cpos nil :copy nil :split nil :orbit-number 2 :duration nil) )
             Comments:
```