



10404 - The Nature of Protocluster Galaxies at $z=2.16$: Morphology-Density and Color-Magnitude Relations

Cycle: 13, Proposal Category: GO

(Availability Mode: SUPPORTED)

INVESTIGATORS

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VISITS

| <i>Visit</i> | <i>Targets</i> | <i>Configurations</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|---------------------------|-----------------------|--------------------|-------------------------------|-------------------------------|
| 01 | (1) MRC1138-262-NICFIELD1 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:32:23.0 | yes |
| 02 | (1) MRC1138-262-NICFIELD1 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:32:45.0 | yes |

Proposal 10404 - Overview

| <i>Visit</i> | <i>Targets</i> | <i>Configurations</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|--|-----------------------|--------------------|-------------------------------|-------------------------------|
| 03 | (2) MRC1138-262-NICFIELD2 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:33:13.0 | yes |
| 04 | (2) MRC1138-262-NICFIELD2 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:33:34.0 | yes |
| 05 | (3) MRC1138-262-NICFIELD3 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:34:02.0 | yes |
| 06 | (3) MRC1138-262-NICFIELD3 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:34:15.0 | yes |
| 07 | (4) MRC1138-262-NICFIELD4 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:34:27.0 | yes |
| 08 | (4) MRC1138-262-NICFIELD4 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:34:42.0 | yes |
| 09 | (4) MRC1138-262-NICFIELD4 (5) MRC1138-262-NICFIELD5 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:35:00.0 | yes |
| 10 | (5) MRC1138-262-NICFIELD5 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:35:21.0 | yes |
| 11 | (6) MRC1138-262-NICFIELD6 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:35:37.0 | yes |
| 12 | (6) MRC1138-262-NICFIELD6 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:36:05.0 | yes |
| 13 | (7) MRC1138-262-NICFIELD7 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:36:21.0 | yes |
| 14 | (7) MRC1138-262-NICFIELD7 | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:36:37.0 | yes |

Proposal 10404 - Overview

| <i>Visit</i> | <i>Targets</i> | <i>Configurations</i> | <i>Orbits Used</i> | <i>Last Orbit Planner Run</i> | <i>OP Current with Visit?</i> |
|--------------|-------------------------------|-----------------------|--------------------|-------------------------------|-------------------------------|
| 15 | (8) MRC1138-262-OUTRIGGER | ACS/WFC NIC3 | 2 | 20-Mar-2006 23:36:52.0 | yes |
| 16 | ANY (9) MRC1138-262-REACQ4 | ACS/WFC NIC3 | 1 | 20-Mar-2006 23:37:03.0 | yes |
| 17 | ANY (9) MRC1138-262-REACQ4 | ACS/WFC NIC3 | 1 | 20-Mar-2006 23:37:10.0 | yes |

32 Total Orbits Used

ABSTRACT

To establish the epoch when galaxy environment manifests itself as a large-scale evolutionary process, we propose to extend the study of galaxy colors and morphologies to a protocluster at $z=2.16$. Here the universe is only 3 Gyrs old and significant differences are expected between scenarios favoring a morphology-radius relation over a morphology-density relation. In addition, because the fractional age differences among cluster galaxies are larger, study of the color-magnitude relation provides considerable leverage for determining the epoch of early-type galaxy formation. To facilitate direct comparison to studies at lower redshift, one must probe the same rest-frame wavelengths with high photometric accuracy and at similar physical scales. Its near-infrared photometric stability (low, constant background) and ability to image large areas of sky at high angular-resolution (compared to adaptive optics) makes HST/NICMOS ideal for this program. Six pointings of NICMOS camera 3 will result in rest-frame optical, high resolution images of 16 confirmed protocluster members, and an additional 60 candidate protocluster members including 29 EROs. These galaxies were selected with a variety of techniques and span a range of projected radii within the protocluster. The proposed observations constitute a unique opportunity to extend the study of galaxies in overdense regions to an early time in cosmic history.

OBSERVING DESCRIPTION

We have chosen 7 pointings of NICMOS Camera 3 to optimally cover both confirmed and candidate protocluster galaxies. For each of these 7 pointings we will integrate for 2 orbits in each of the F110W and F160W filters. These observations will not only probe the morphology of already

Proposal 10404 - Overview

identified protocluster targets, but also allow further selection via the 4000A break feature at fainter flux limits than those attainable from the ground.

We have used the additional 2 orbits of this program to image an "outrigger" field which contains several protocluster candidates. This eighth pointing will allow us to quantify the morphologies of likely protocluster galaxies at a larger radius from the central radio galaxy.

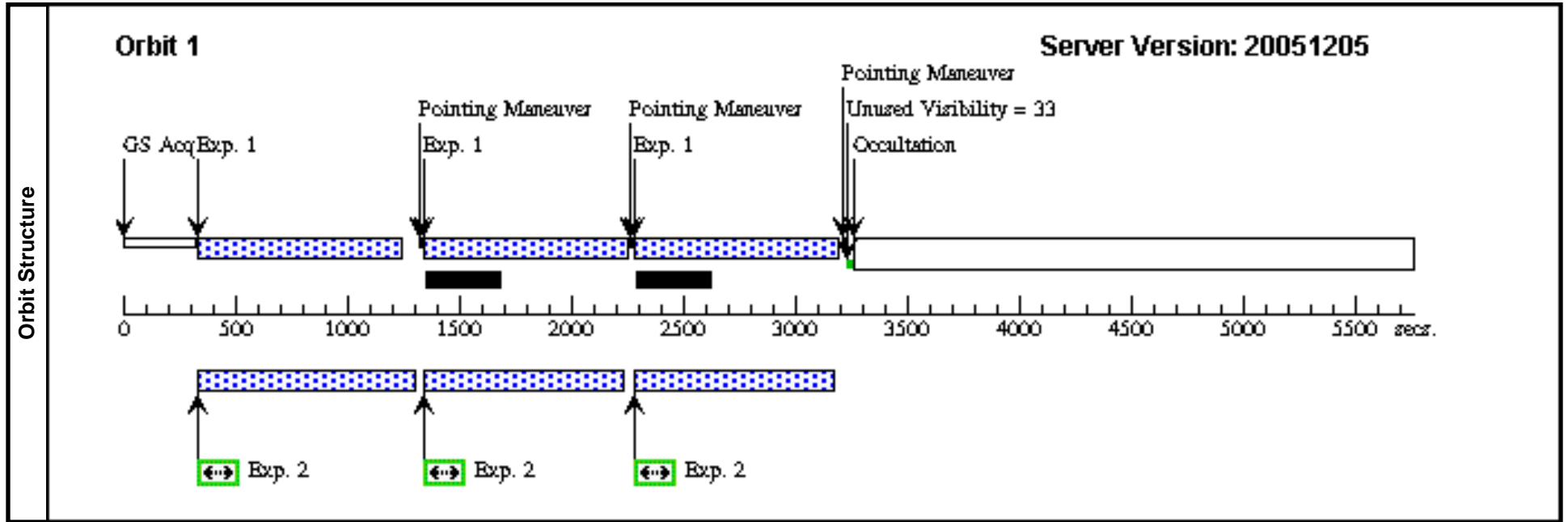
ADDITIONAL COMMENTS

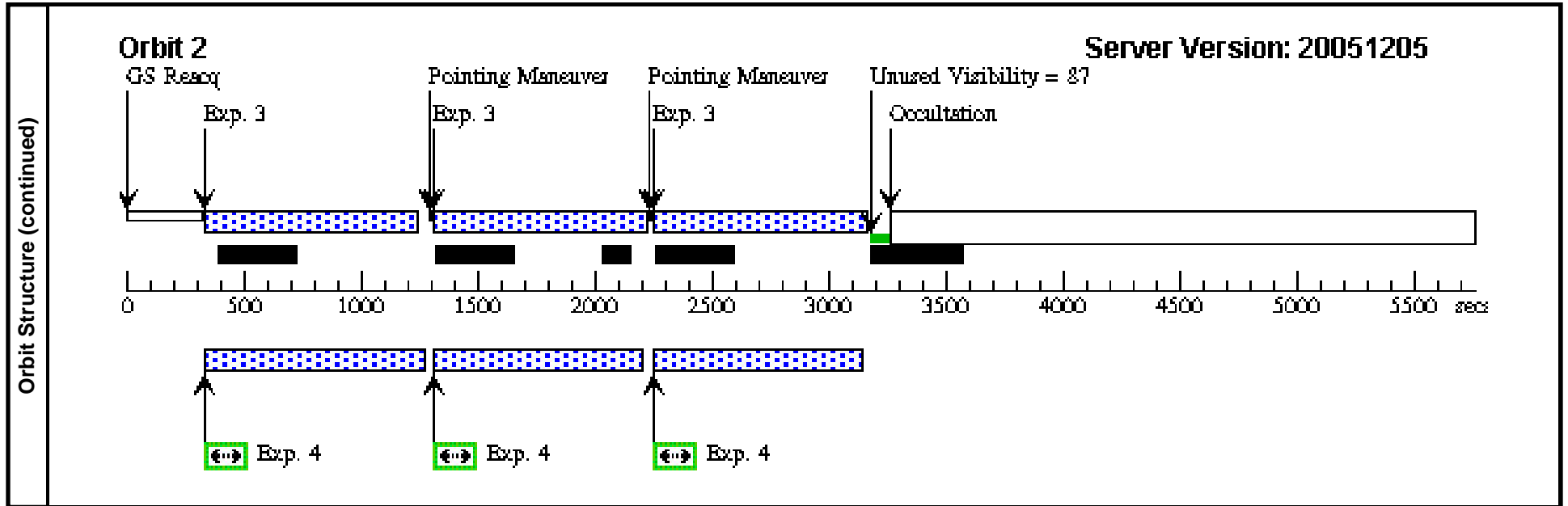
I have used 2 orbit visits in the hope that this program can be scheduled during non-SAA impacted orbits as often as possible.

Proposal 10404 - Visit 01 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:17 GMT 2006

| Visit | Proposal 10404, Visit 01 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 104.5D TO 105.5 D; ORIENT 284.5D TO 285.5 D Comments: Field 1 | | | | | | | | | |
|---------------|---|---|---|--------------------------|---------------|--|------------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (1) | MRC1138-262-NICFIELD1 | RA: 11 40 50.4783 (175.2103262d) Dec: -26 29 8.95 (-26.48582d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Field1-1orb | (1) MRC1138-262-NICFIELD1 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | ACS B-Field1 | (1) MRC1138-262-NICFIELD1 | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | F160W-Field1-1orb | (1) MRC1138-262-NICFIELD1 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | ACS i-Field1 | (1) MRC1138-262-NICFIELD1 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |

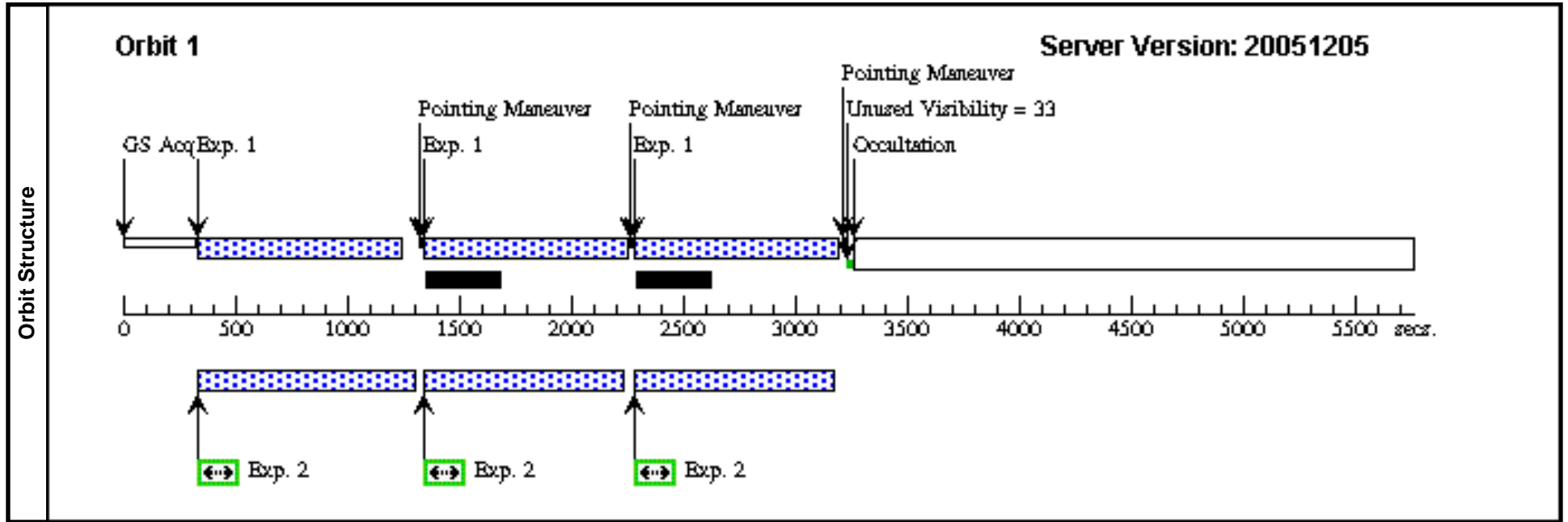


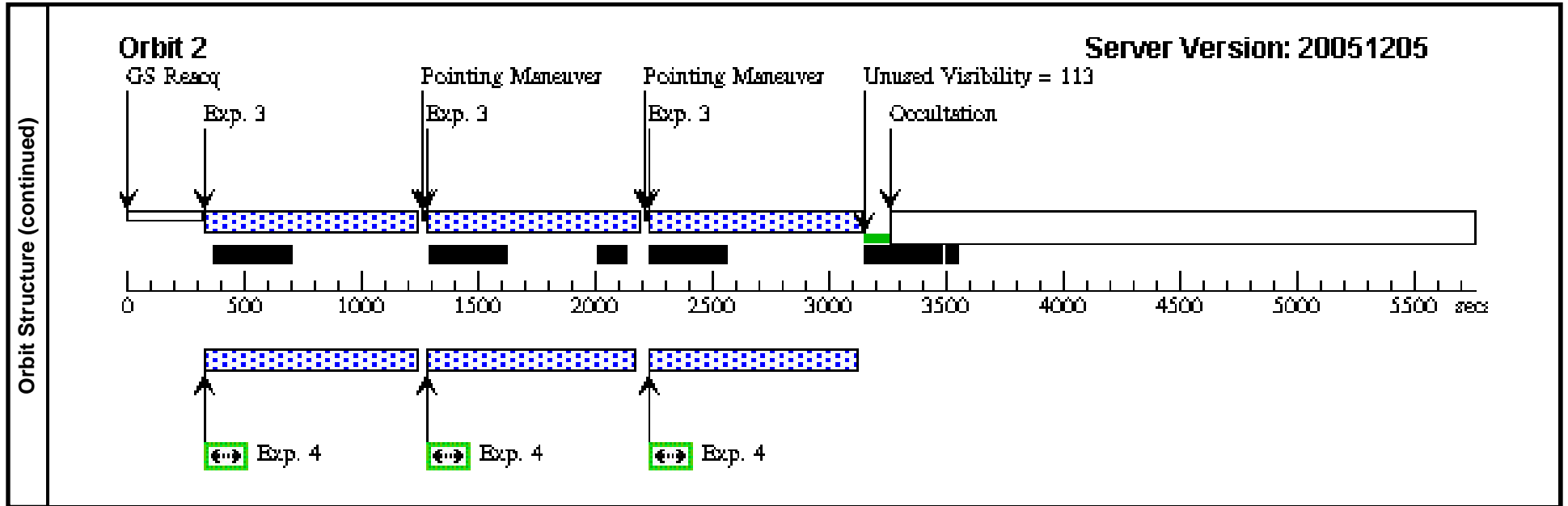


Proposal 10404 - Visit 02 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:21 GMT 2006

| Visit | Proposal 10404, Visit 02 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 01 Comments: Field 1 | | | | | | | | | |
|---------------|--|---|---|--------------------------|---------------|--|------------------|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (1) | MRC1138-262-NICFIELD1 | RA: 11 40 50.4783 (175.2103262d) Dec: -26 29 8.95 (-26.48582d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field1-1orb | (1) MRC1138-262-NICFIELD1 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | ACS i-Field 1 | (1) MRC1138-262-NICFIELD1 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | F110W-Field1-1orb | (1) MRC1138-262-NICFIELD1 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| | 4 | ACS z-Field 1 | (1) MRC1138-262-NICFIELD1 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |





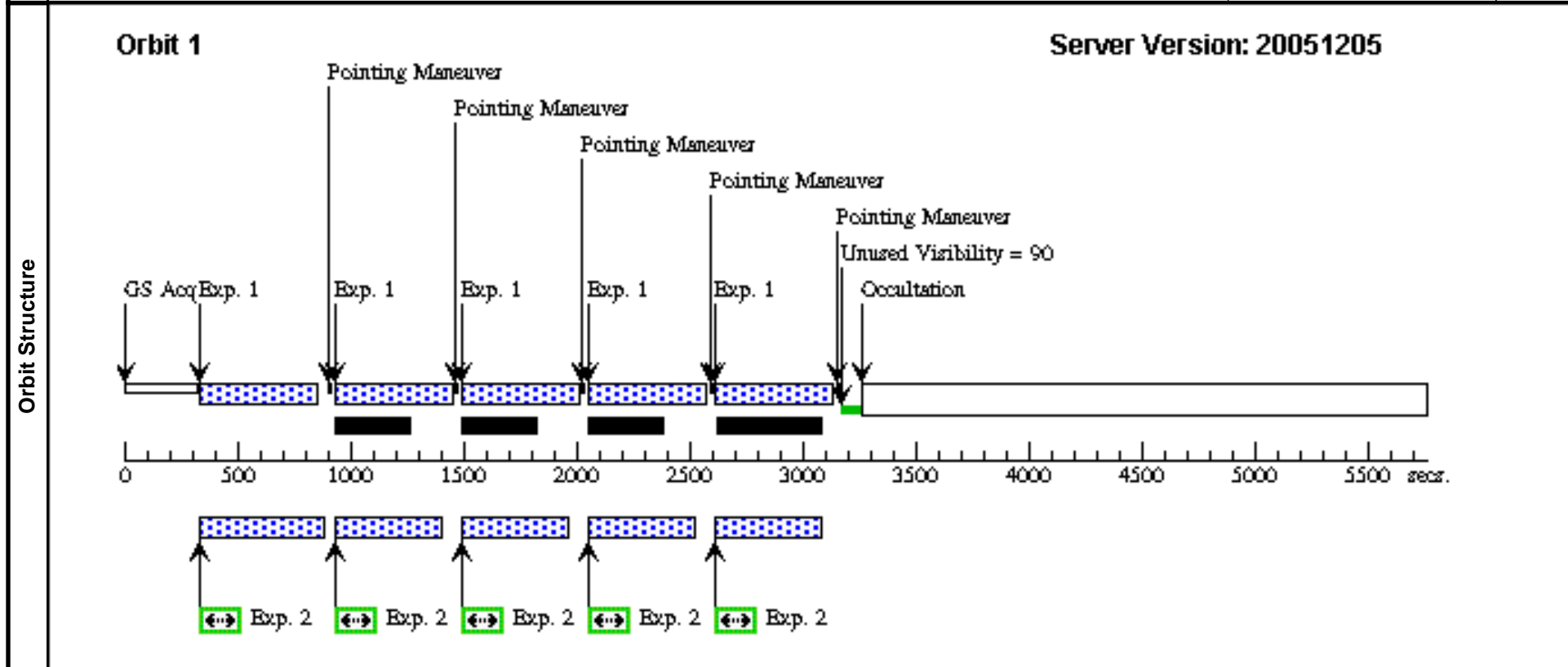
Proposal 10404 - Visit 03 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

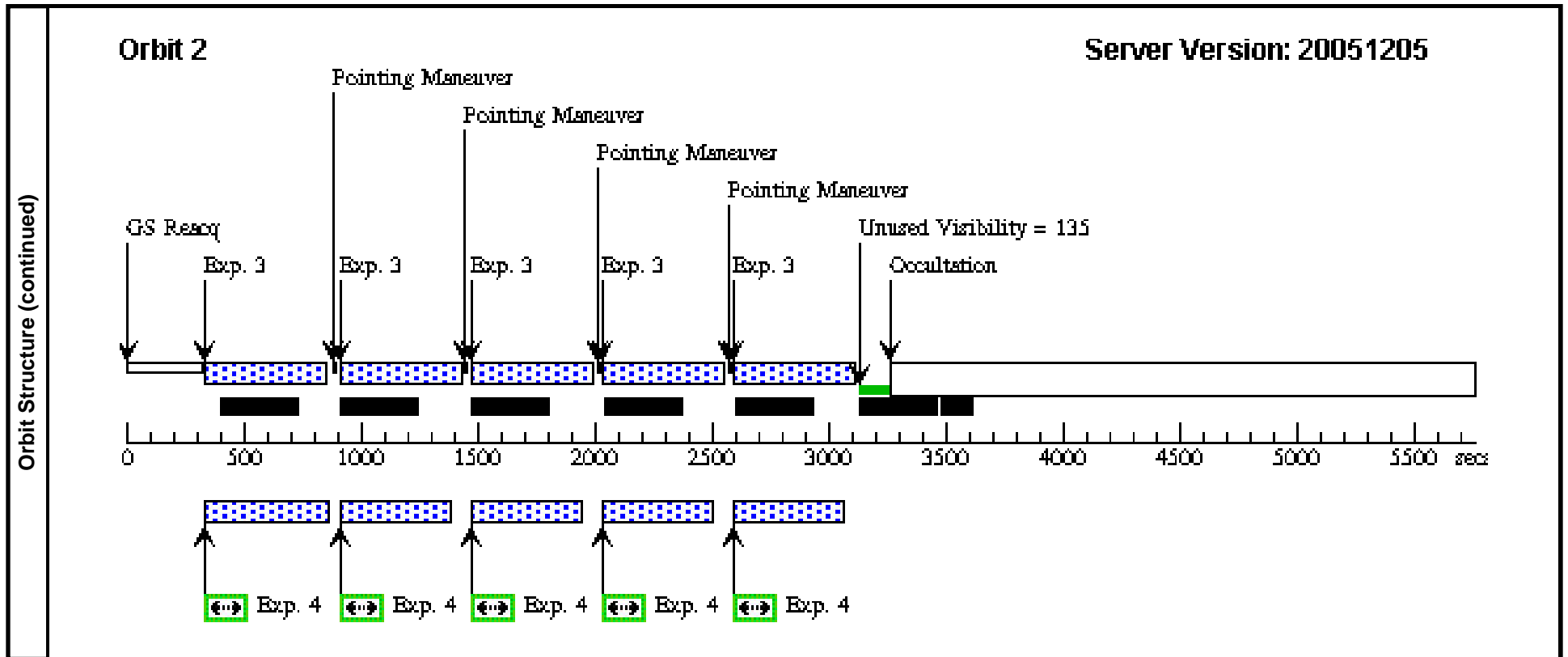
Tue Mar 21 04:37:23 GMT 2006

| Visit | Proposal 10404, Visit 03 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 104.5D TO 105.5 D; ORIENT 284.5D TO 285.5 D Comments: Field 2 | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------|--|------------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (3) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=5 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (2) | MRC1138-262-NICFIELD2 | RA: 11 40 52.3692 (175.2182050d) Dec: -26 29 43.78 (-26.49549d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Fiel d2-1orb | (2) MRC1138-262-NICFIELD2 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=STEP6 4; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (3) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [1] |
| | 2 | ACS B-Fiel d2 | (2) MRC1138-262-NICFIELD2 | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (3) Prime + Parallel Group 1-2 | 350.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [1] |
| | 3 | F160W-Fiel d2-1orb | (2) MRC1138-262-NICFIELD2 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=STEP6 4; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (3) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [2] |

Proposal 10404 - Visit 03 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

| Exposures (continued) | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|---|--------------|-------------------------------|-------------------------|---------------|--------------|---------------|---|---|-------|
| | 4 | ACS V-Field2 | (2) MRC1138-262-N ICFIELD2 | ACS/WFC, ACCUM, WFC-FIX | F606W | CR-SPLIT=NO | | Pattern 3-4 (3) Prime + Parallel Group 3-4 | 350.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] [=>(Pattern 5)] | [2] |





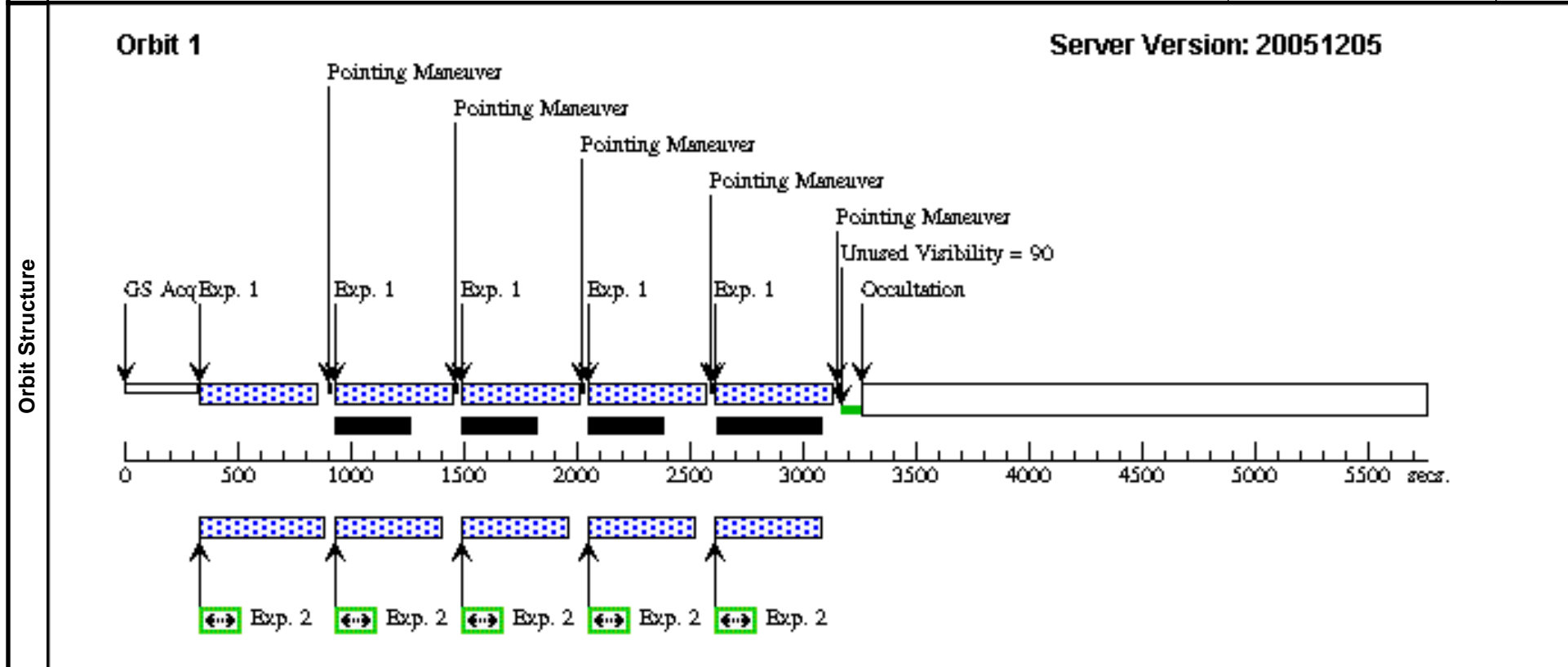
Proposal 10404 - Visit 04 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

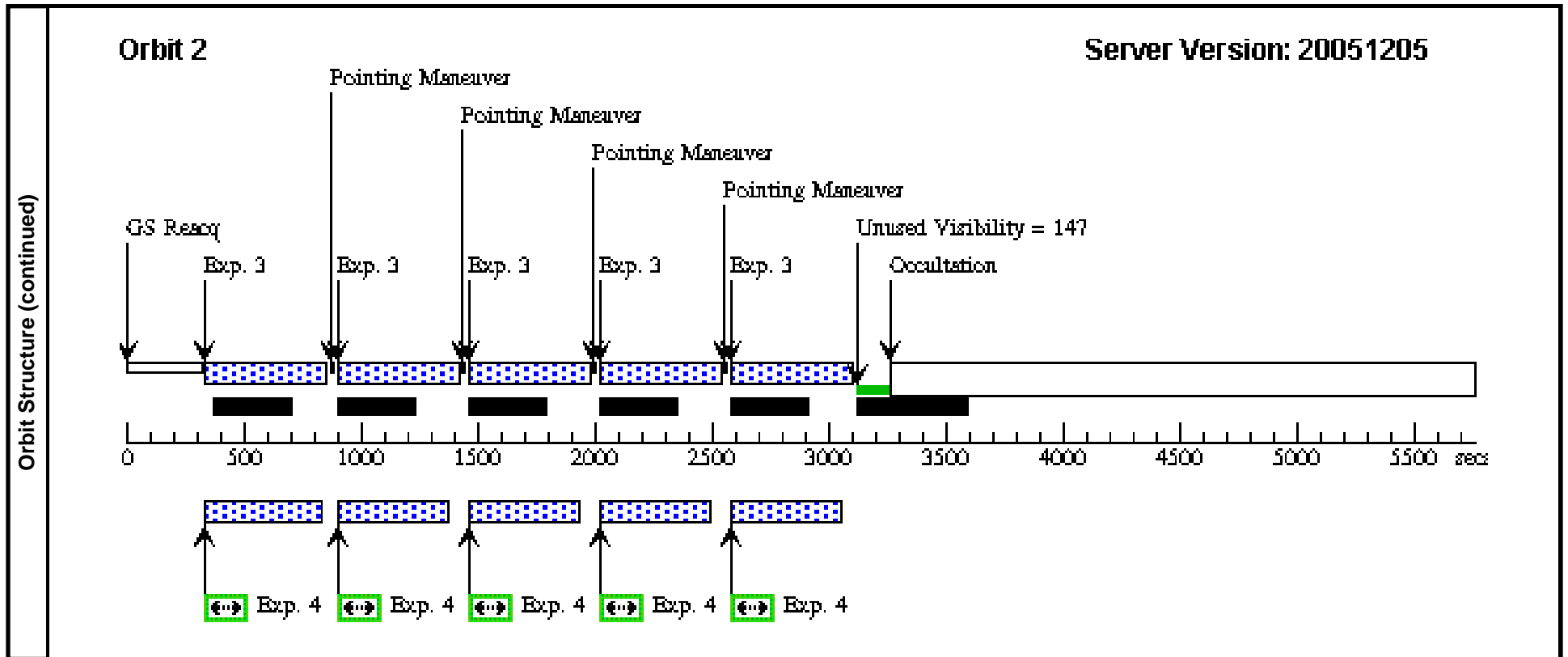
Tue Mar 21 04:37:25 GMT 2006

| Visit | Proposal 10404, Visit 04 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 03 Comments: Field 2 | | | | | | | | | |
|---------------|--|---|--|--------------------------|---------------|--|------------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (3) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=5 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (2) | MRC1138-262-NICFIELD2 | RA: 11 40 52.3692 (175.2182050d) Dec: -26 29 43.78 (-26.49549d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field2-1orb | (2) MRC1138-262-NICFIELD2 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=STEP64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (3) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [1] |
| | 2 | ACS i-Field 2 | (2) MRC1138-262-NICFIELD2 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (3) Prime + Parallel Group 1-2 | 350.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [1] |
| | 3 | F110W-Field2-1orb | (2) MRC1138-262-NICFIELD2 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=STEP64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (3) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [2] |

Proposal 10404 - Visit 04 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

| Exposures (continued) | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
|-----------------------|---|------------------|-------------------------------|-------------------------|---------------|--------------|---------------|---|--|-------|
| | 4 | ACS z-Field 2 | (2) MRC1138-262-N ICFIELD2 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (3) Prime + Parallel Group 3-4 | 350.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [2] |

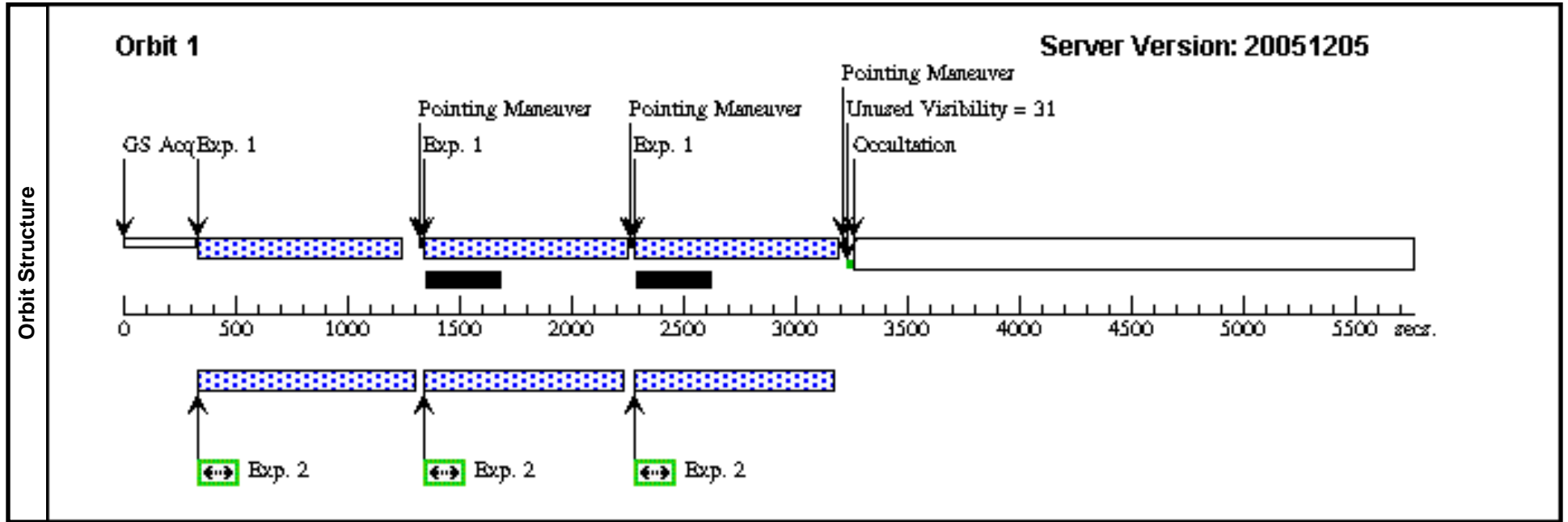


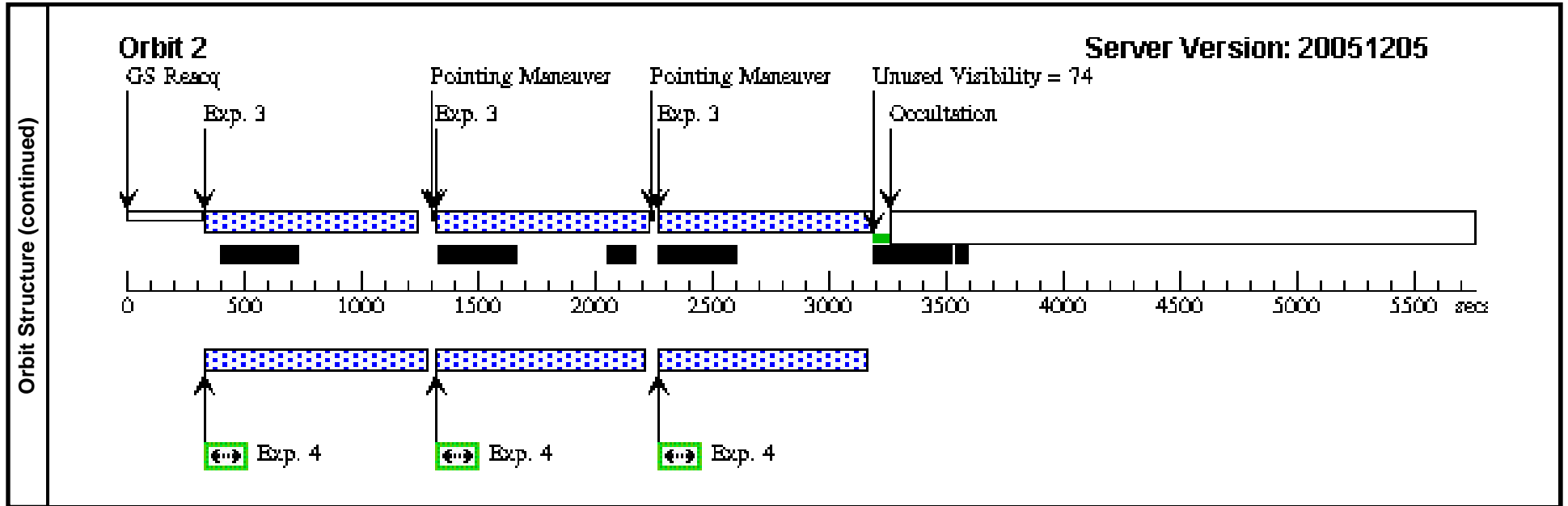


Proposal 10404 - Visit 05 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:27 GMT 2006

| Visit | Proposal 10404, Visit 05 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 113.5D TO 116.5 D; ORIENT 293.5D TO 296.5 D Comments: Field 3 | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------|--|------------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2) | | | | | |
| | (4) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=false | | (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | MRC1138-262-NICFIELD3 | RA: 11 40 59.8845 (175.2495188d) Dec: -26 29 15.13 (-26.48754d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Fiel d3-1orb | (3) MRC1138-262-N ICFIELD3 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS B-Fiel d3 | (3) MRC1138-262-N ICFIELD3 | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | F160W-Fiel d3-1orb | (3) MRC1138-262-N ICFIELD3 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 1.3,1.1 | Pattern 3-4 (4) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | ACS V-Fiel d3 | (3) MRC1138-262-N ICFIELD3 | ACS/WFC, ACCUM, WFC-FIX | F606W | CR-SPLIT=NO | | Pattern 3-4 (4) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

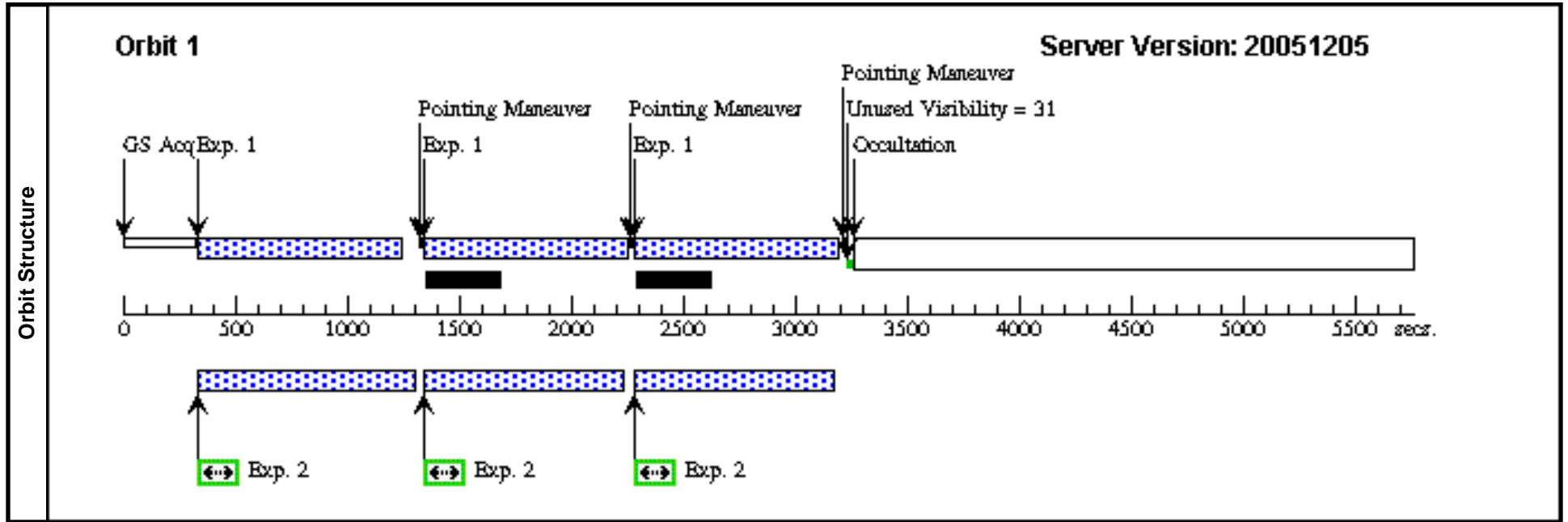


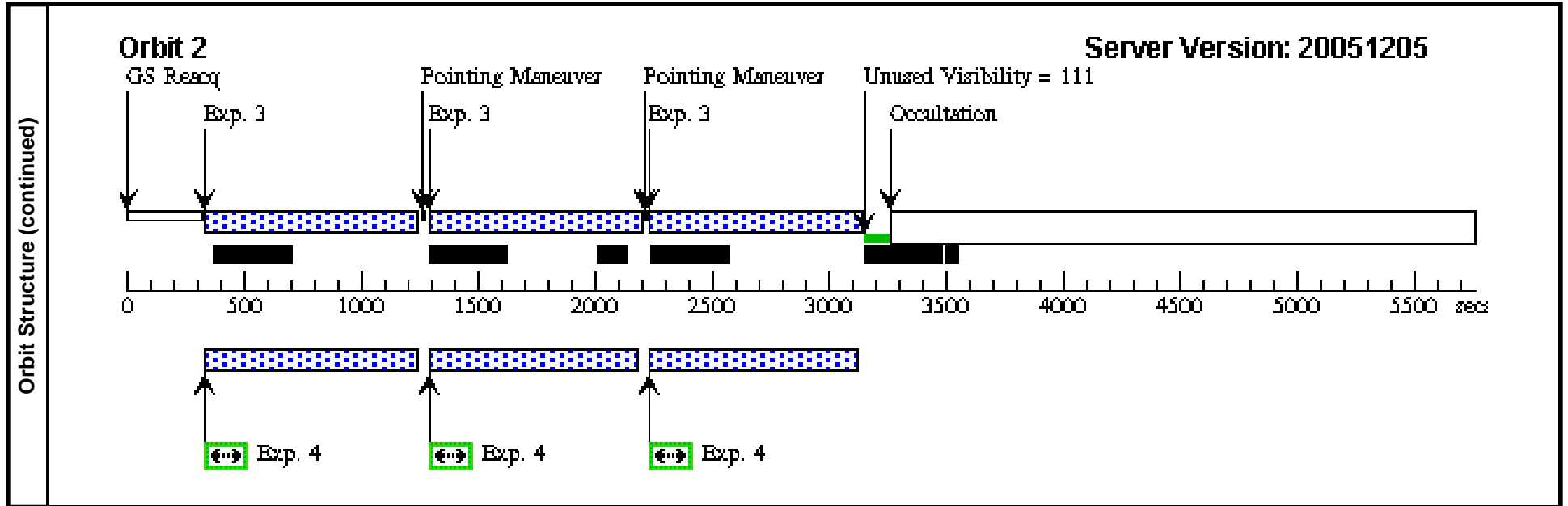


Proposal 10404 - Visit 06 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:29 GMT 2006

| Visit | Proposal 10404, Visit 06 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 05 Comments: Field 3 | | | | | | | | | |
|---------------|--|---|---|--|---------------|--|---|--|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2) | | | | |
| | (4) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=false | | (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (3) | MRC1138-262-NICFIELD3 | RA: 11 40 59.8845 (175.2495188d) Dec: -26 29 15.13 (-26.48754d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field3-1orb | (3) MRC1138-262-NICFIELD3 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS i-Field 3 | (3) MRC1138-262-NICFIELD3 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | F110W-Field3-1orb | (3) MRC1138-262-NICFIELD3 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 1.3,1.1 | Pattern 3-4 (4) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| 4 | ACS z-Field 3 | (3) MRC1138-262-NICFIELD3 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (4) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

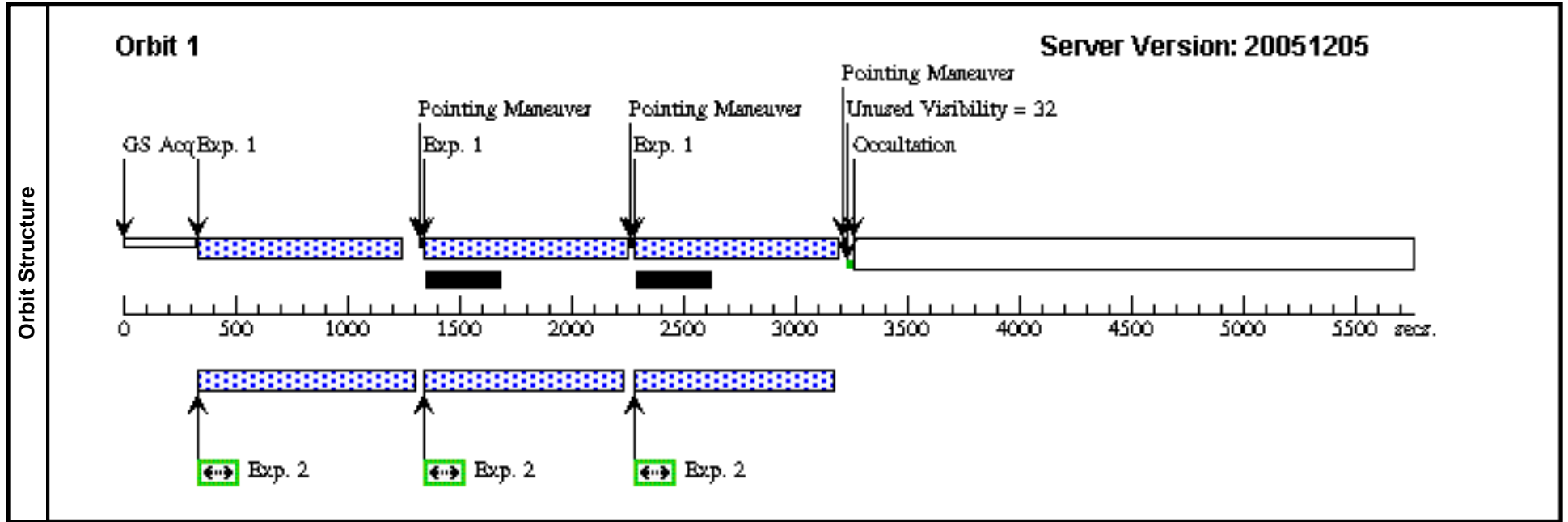


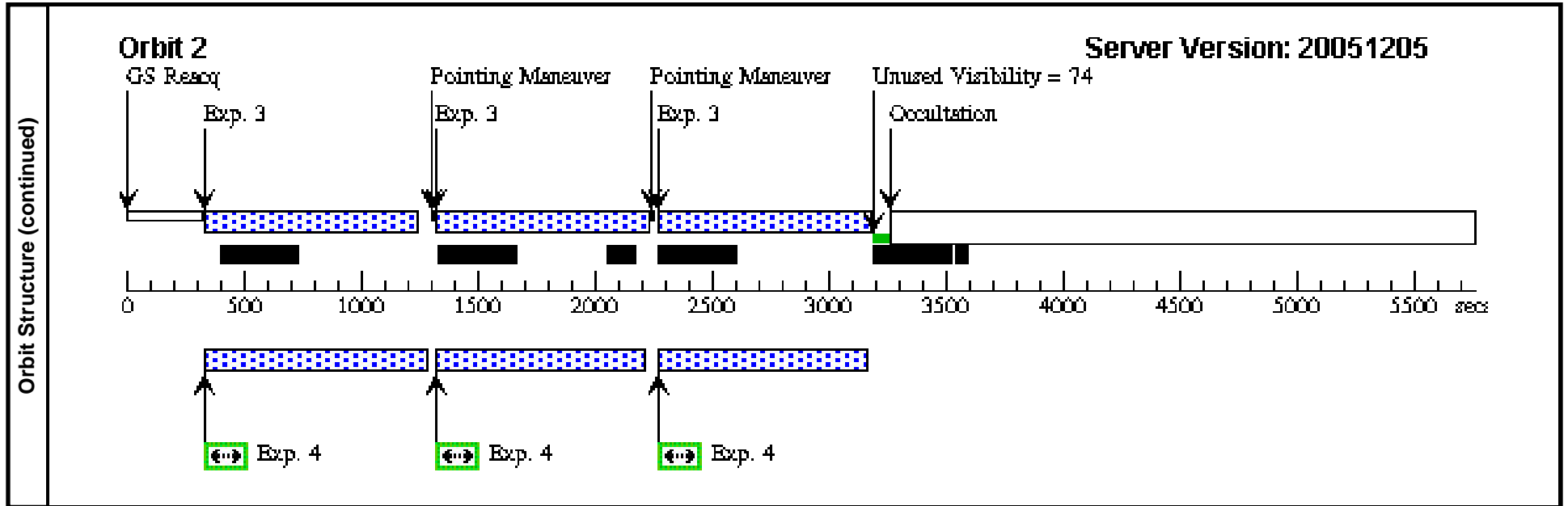


Proposal 10404 - Visit 07 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:30 GMT 2006

| Visit | Proposal 10404, Visit 07 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 104.5D TO 105.5 D; ORIENT 284.5D TO 285.5 D Comments: Field 4 | | | | | | | | | | |
|---------------|---|------------------------------|--|---------------------------|---------------|---|------------------|---|--|-------|-------|
| | Patterns | # | Primary Pattern | | | Secondary Pattern | | | Exposures | | |
| | | (1) | Pattern Type=NIC-SPIRAL-DITH | Coordinate Frame=POS-TARG | | | | | | | (1-2) |
| | | Purpose=DITHER | Pattern Orientation=135 | | | | | | | | |
| | | Number Of Points=3 | Angle Between Sides= | | | | | | | | |
| | | Point Spacing=2.25 | Center Pattern=false | | | | | | | | |
| | | Line Spacing= | | | | | | | | | |
| | (4) | Pattern Type=NIC-SPIRAL-DITH | Coordinate Frame=POS-TARG | | | | | | | (3-4) | |
| | | Purpose=DITHER | Pattern Orientation=90 | | | | | | | | |
| | | Number Of Points=3 | Angle Between Sides= | | | | | | | | |
| | | Point Spacing=3.25 | Center Pattern=false | | | | | | | | |
| | | Line Spacing= | | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | | |
| | (4) | MRC1138-262-NICFIELD4 | RA: 11 40 47.0352 (175.1959800d) Dec: -26 29 21.27 (-26.48924d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | | Orbit |
| | 1 | F160W-Fiel d4-1orb | (4) MRC1138-262-N ICFIELD4 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [1] |
| | 2 | ACS B-Fiel d4 | (4) MRC1138-262-N ICFIELD4 | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [1] |
| | 3 | F160W-Fiel d4-1orb | (4) MRC1138-262-N ICFIELD4 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (4) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [2] |
| | 4 | ACS V-Fiel d4 | (4) MRC1138-262-N ICFIELD4 | ACS/WFC, ACCUM, WFC-FIX | F606W | CR-SPLIT=NO | | Pattern 3-4 (4) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [2] |

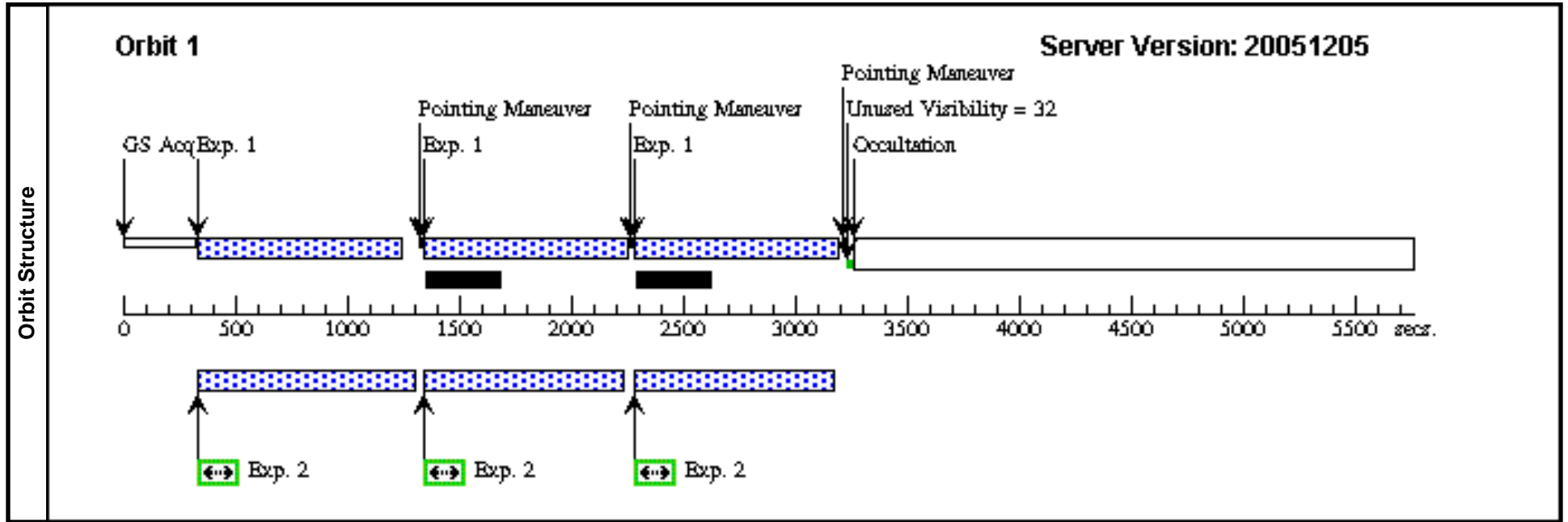


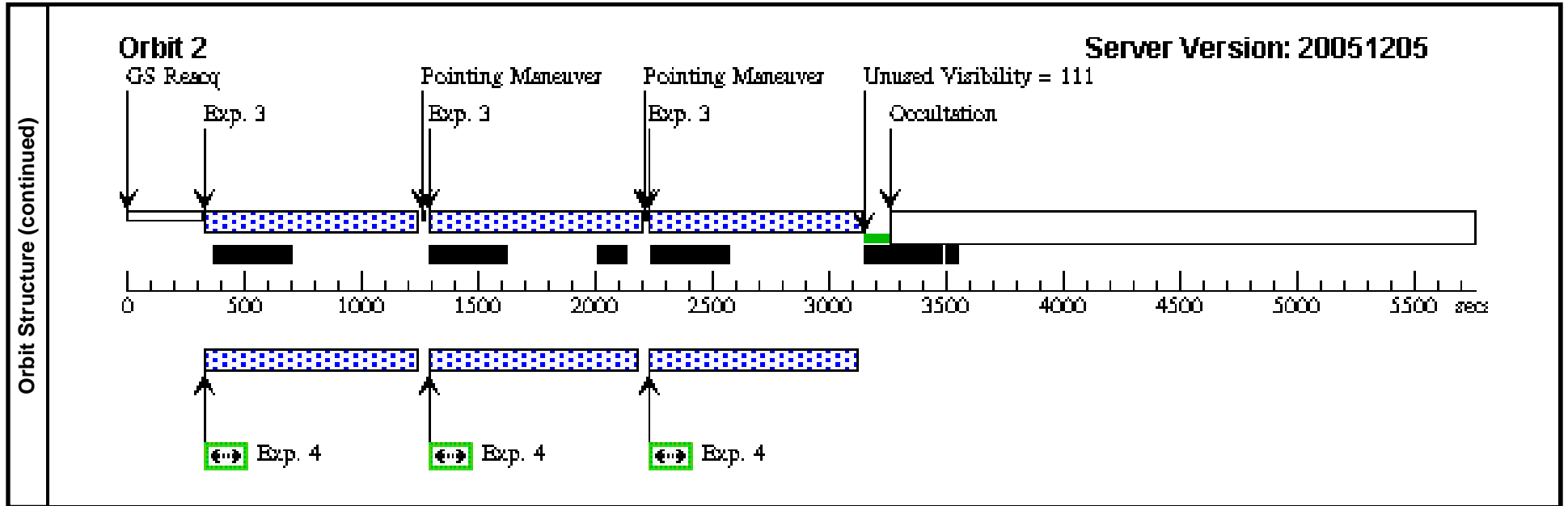


Proposal 10404 - Visit 08 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:32 GMT 2006

| Visit | Proposal 10404, Visit 08 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 07 Comments: Field 4 | | | | | | | | | |
|---------------|--|---|---|--|---------------|--|---|---|---|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2) | | | | |
| | (4) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=false | | (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (4) | MRC1138-262-NICFIELD4 | RA: 11 40 47.0352 (175.1959800d) Dec: -26 29 21.27 (-26.48924d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field4-1orb | (4) MRC1138-262-NICFIELD4 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | ACS i-Field 4 | (4) MRC1138-262-NICFIELD4 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 3 | F110W-Field4-1orb | (4) MRC1138-262-NICFIELD4 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (4) Prime + Parallel Group 3-4 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] |
| 4 | ACS z-Field 4 | (4) MRC1138-262-NICFIELD4 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (4) Prime + Parallel Group 3-4 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [2] | |

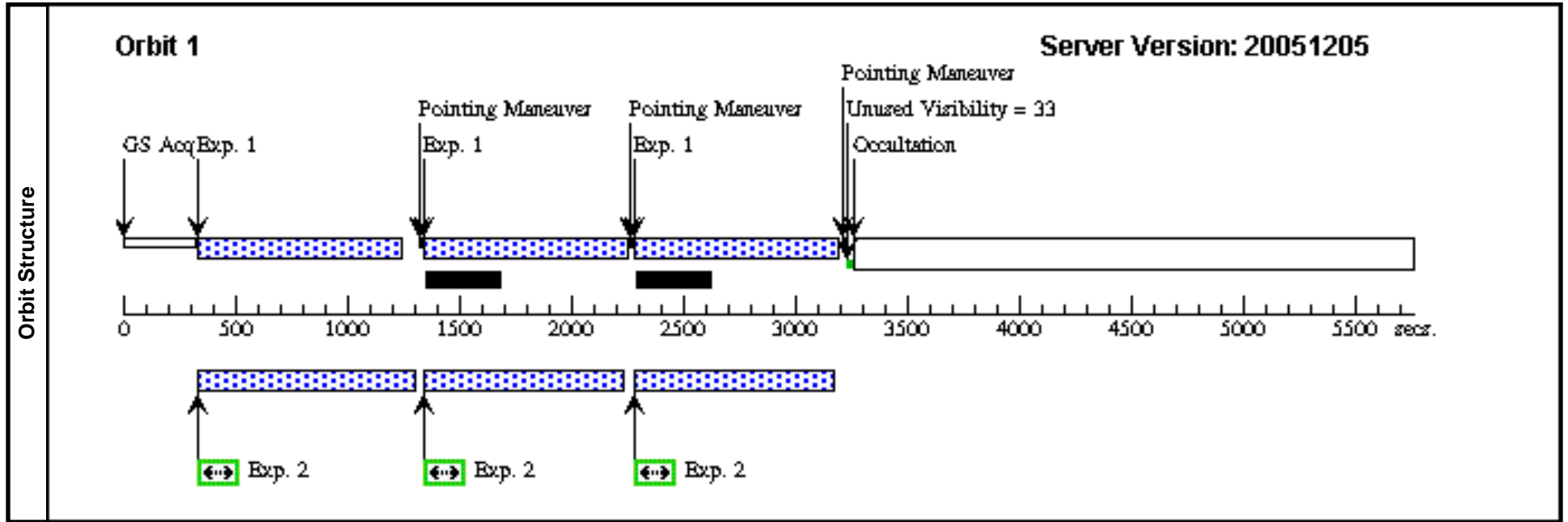


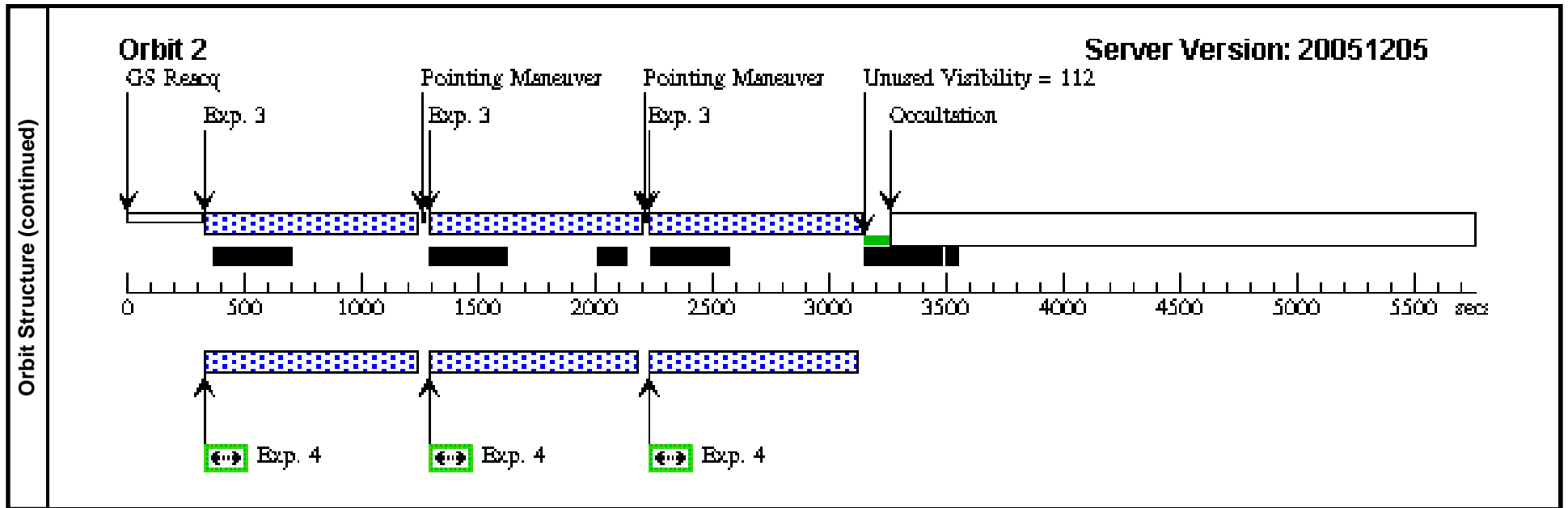


Proposal 10404 - Visit 09 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:33 GMT 2006

| Visit | Proposal 10404, Visit 09 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 104.5D TO 105.5 D; ORIENT 284.5D TO 285.5 D Comments: Field 5 | | | | | | | | | |
|---------------|---|---|--|--------------------------|---------------|--|---|--|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (4) | MRC1138-262-NICFIELD4 | RA: 11 40 47.0352 (175.1959800d) Dec: -26 29 21.27 (-26.48924d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| | (5) | MRC1138-262-NICFIELD5 | RA: 11 40 44.9675 (175.1873646d) Dec: -26 28 38.18 (-26.47727d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Fiel d5-1orb | (5) MRC1138-262-NICFIELD5 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS V-Fiel d5 | (5) MRC1138-262-NICFIELD5 | ACS/WFC, ACCUM, WFC-FIX | F606W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | F160W-Fiel d5-1orb | (5) MRC1138-262-NICFIELD5 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| 4 | ACS z-Field 5 | (4) MRC1138-262-NICFIELD4 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

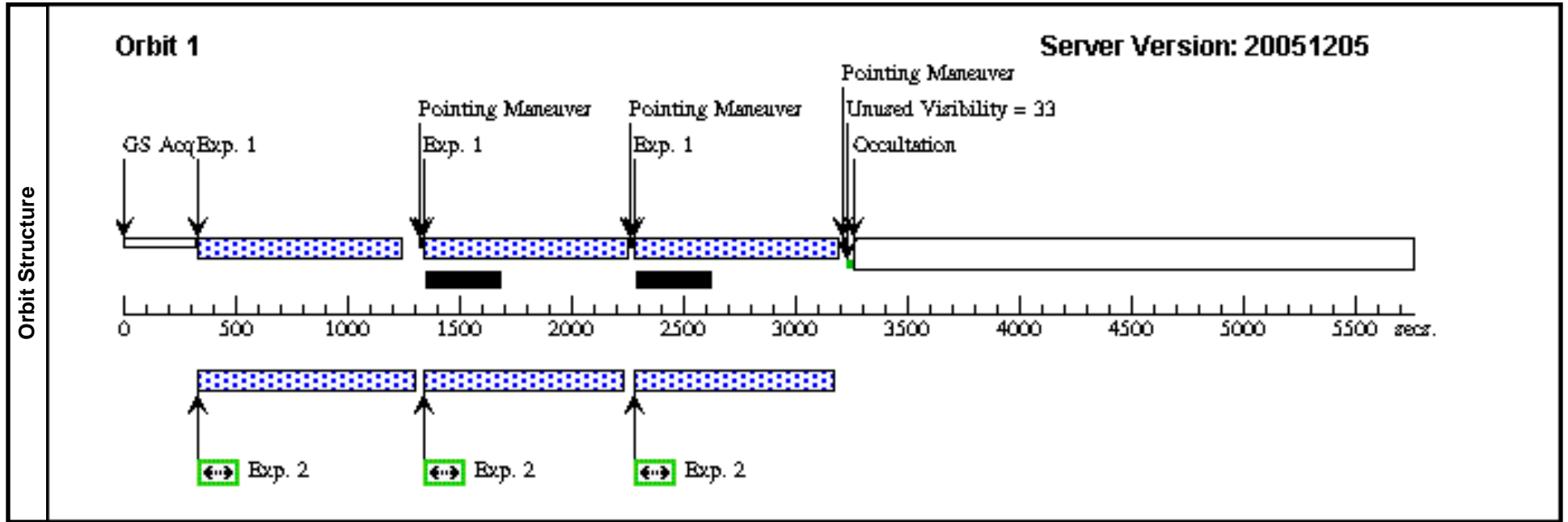


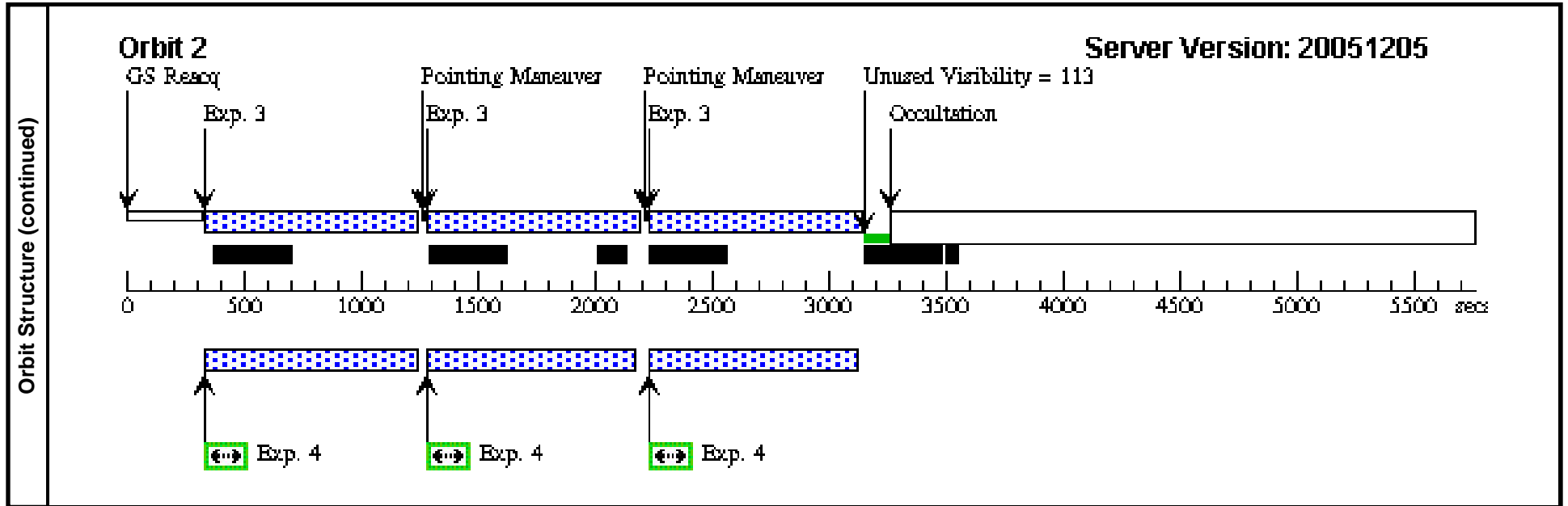


Proposal 10404 - Visit 10 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:35 GMT 2006

| Visit | Proposal 10404, Visit 10 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 09 Comments: Field 5 | | | | | | | | | |
|---------------|--|---|--|--------------------------|---------------|--|------------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (5) | MRC1138-262-NICFIELD5 | RA: 11 40 44.9675 (175.1873646d) Dec: -26 28 38.18 (-26.47727d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field5-1orb | (5) MRC1138-262-NICFIELD5 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS i-Field 5 | (5) MRC1138-262-NICFIELD5 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | F110W-Field5-1orb | (5) MRC1138-262-NICFIELD5 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | ACS z-Field 5 | (5) MRC1138-262-NICFIELD5 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |





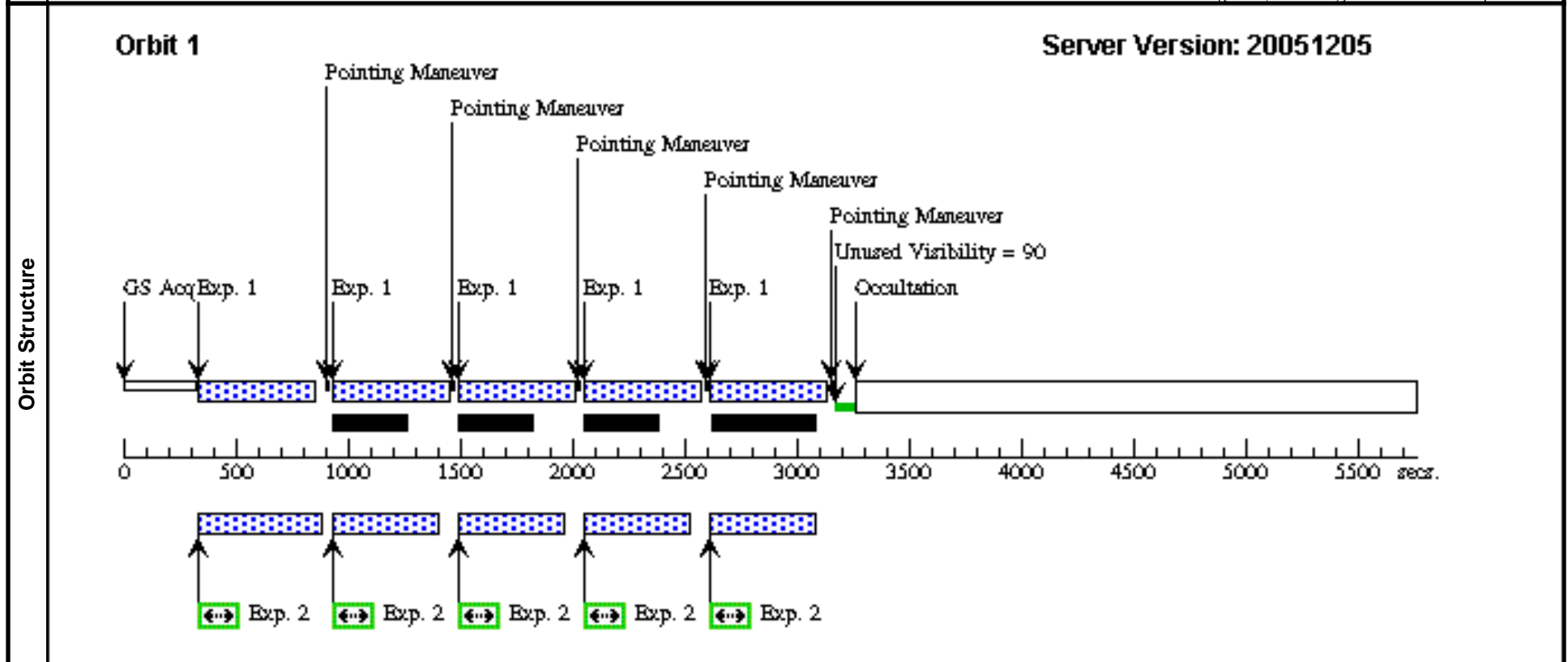
Proposal 10404 - Visit 11 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

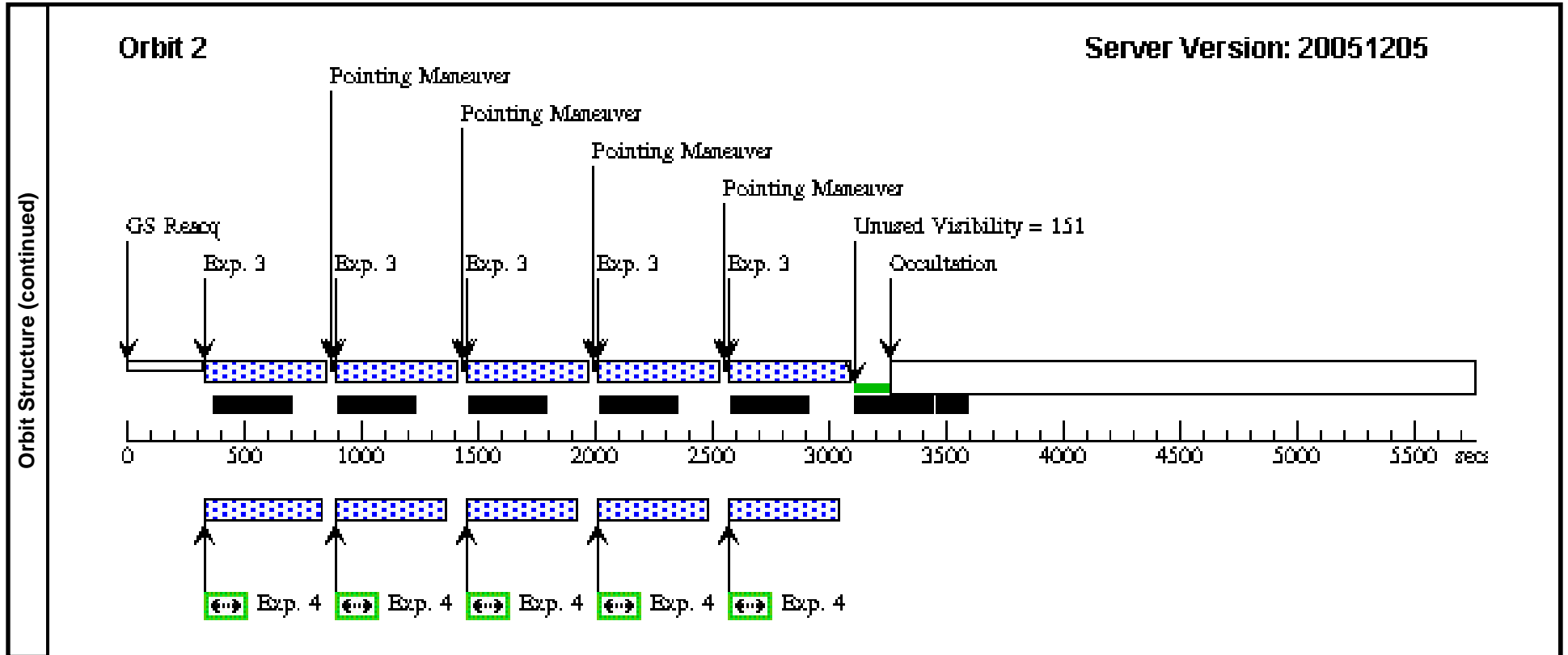
Tue Mar 21 04:37:36 GMT 2006

| Visit | Proposal 10404, Visit 11 | | | | | | | | | |
|---------------|---|--|--|--------------------------|---------------|---|---------------|---|--|--|
| | | Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 114.5D TO 115.5 D; ORIENT 294.5D TO 295.5 D Comments: Field 6 | | | | | | | | |
| Patterns | # | Primary Pattern | | Secondary Pattern | Exposures | | | | | |
| | (3) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=5 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | (1-2) | | | | | |
| (5) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=5 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=false | | (3-4) | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (6) | MRC1138-262-NICFIELD6 | RA: 11 40 56.6625 (175.2360938d) Dec: -26 29 41.93 (-26.49498d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Fiel d6-1orb | (6) MRC1138-262-N ICFIELD6 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=STEP6 4; NSAMP=16 | | | Pattern 1-2 (3) Prime + Parallel Gro up 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] |
| 2 | ACS V-Fiel d6 | (6) MRC1138-262-N ICFIELD6 | ACS/WFC, ACCUM, WFC-FIX | F606W | CR-SPLIT=NO | | | Pattern 1-2 (3) Prime + Parallel Gro up 1-2 | 350.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] [==>(Pattern 4)] [==>(Pattern 5)] | [1] |

Proposal 10404 - Visit 11 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | |
|---|------------------------|-------------------------------|-------------------------|---------------|----------------------------------|------------------|---|-------------------------|-------|--|
| 3 | F160W-Field d6-1orb | (6) MRC1138-262-N ICFIELD6 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=STEP6 4; NSAMP=16 | POS TARG 1.3.1.1 | Pattern 3-4 (5) Prime + Parallel Group up 3-4 | [=>(Pattern 1)] | [2] | |
| | | | | | | | | [=>(Pattern 2)] | | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | | | | | | | | [=>(Pattern 4)] | | |
| | | | | | | | | [=>(Pattern 5)] | | |
| 4 | ACS z-Field 6 | (6) MRC1138-262-N ICFIELD6 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (5) Prime + Parallel Group up 3-4 | 350.0 Secs | [2] | |
| | | | | | | | | [=>(Pattern 1)] | | |
| | | | | | | | | [=>(Pattern 2)] | | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | | | | | | | | [=>(Pattern 4)] | | |
| | | | | | | | | [=>(Pattern 5)] | | |





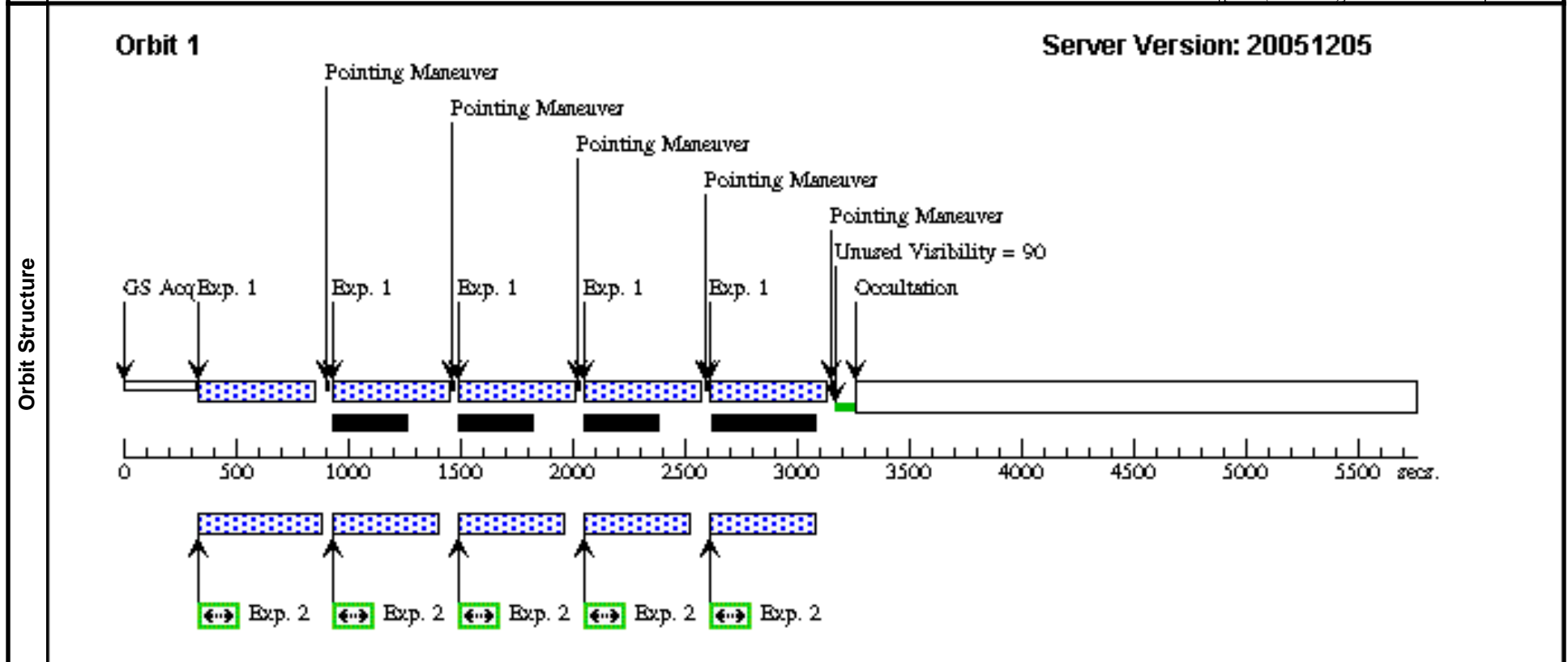
Proposal 10404 - Visit 12 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

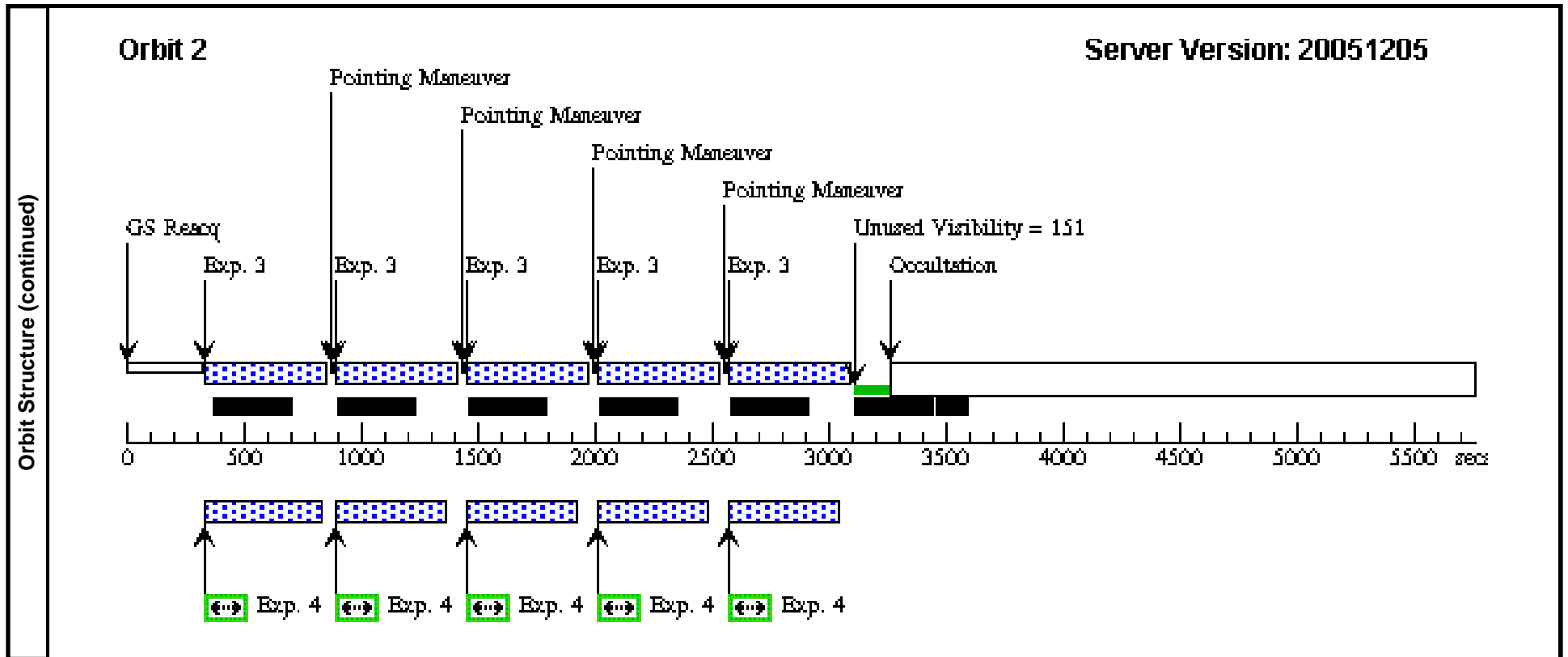
Tue Mar 21 04:37:39 GMT 2006

| Visit | Proposal 10404, Visit 12 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 11 Comments: Field 6 | | | | | | | | | |
|---------------|--|---|---|--|---------------|--|---------------|---|---|---|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | | (3) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=5 Point Spacing=3.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=0 Angle Between Sides= Center Pattern=false | | (1-2) | | | | |
| | (5) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=5 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=90 Angle Between Sides= Center Pattern=false | | (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (6) | MRC1138-262-NICFIELD6 | RA: 11 40 56.6625 (175.2360938d) Dec: -26 29 41.93 (-26.49498d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field6-1orb | (6) MRC1138-262-NICFIELD6 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=STEP64; NSAMP=16 | | | Pattern 1-2 (3) Prime + Parallel Group 1-2 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] [=>(Pattern 5)] |
| 2 | ACS i-Field 6 | (6) MRC1138-262-NICFIELD6 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | | Pattern 1-2 (3) Prime + Parallel Group 1-2 | 350.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] [=>(Pattern 4)] [=>(Pattern 5)] | [1] |

Proposal 10404 - Visit 12 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

| # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit | |
|---|------------------------|-------------------------------|-------------------------|---------------|----------------------------------|------------------|--|-------------------------|-------|--|
| 3 | F110W-Field d6-1orb | (6) MRC1138-262-N ICFIELD6 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=STEP6 4; NSAMP=16 | POS TARG 1.3.1.1 | Pattern 3-4 (5) Prime + Parallel Group 3-4 | [=>(Pattern 1)] | [2] | |
| | | | | | | | | [=>(Pattern 2)] | | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | | | | | | | | [=>(Pattern 4)] | | |
| | | | | | | | | [=>(Pattern 5)] | | |
| 4 | ACS z-Field 6 | (6) MRC1138-262-N ICFIELD6 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (5) Prime + Parallel Group 3-4 | 350.0 Secs | [2] | |
| | | | | | | | | [=>(Pattern 1)] | | |
| | | | | | | | | [=>(Pattern 2)] | | |
| | | | | | | | | [=>(Pattern 3)] | | |
| | | | | | | | | [=>(Pattern 4)] | | |
| | | | | | | | | [=>(Pattern 5)] | | |

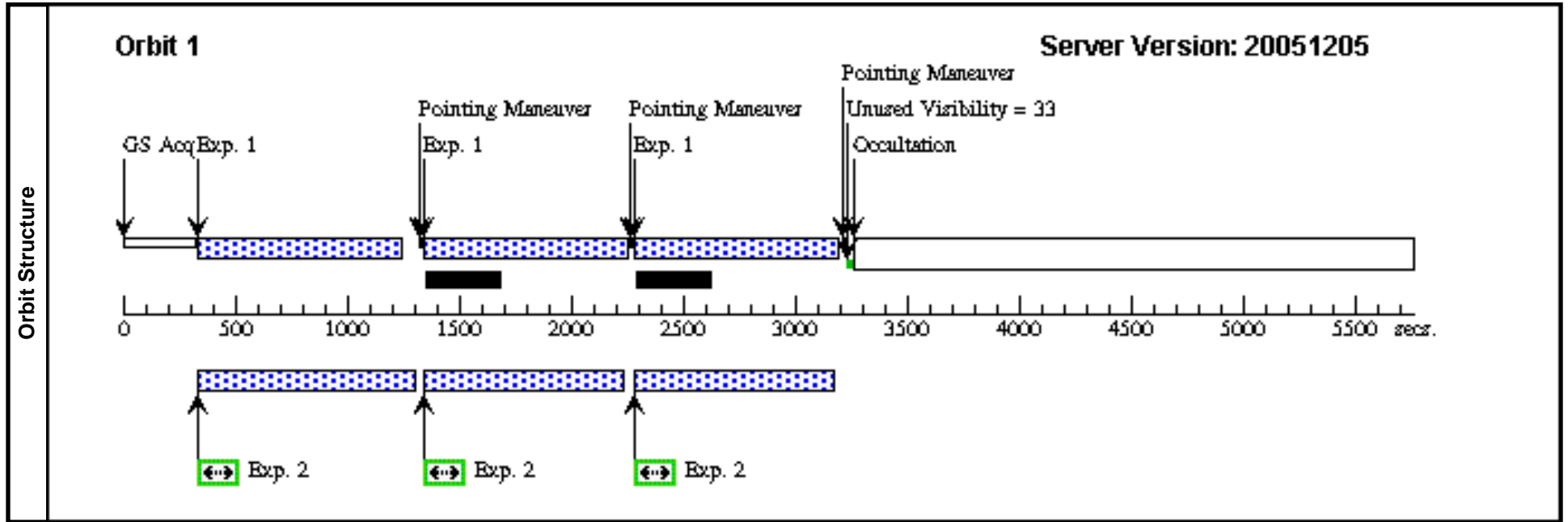


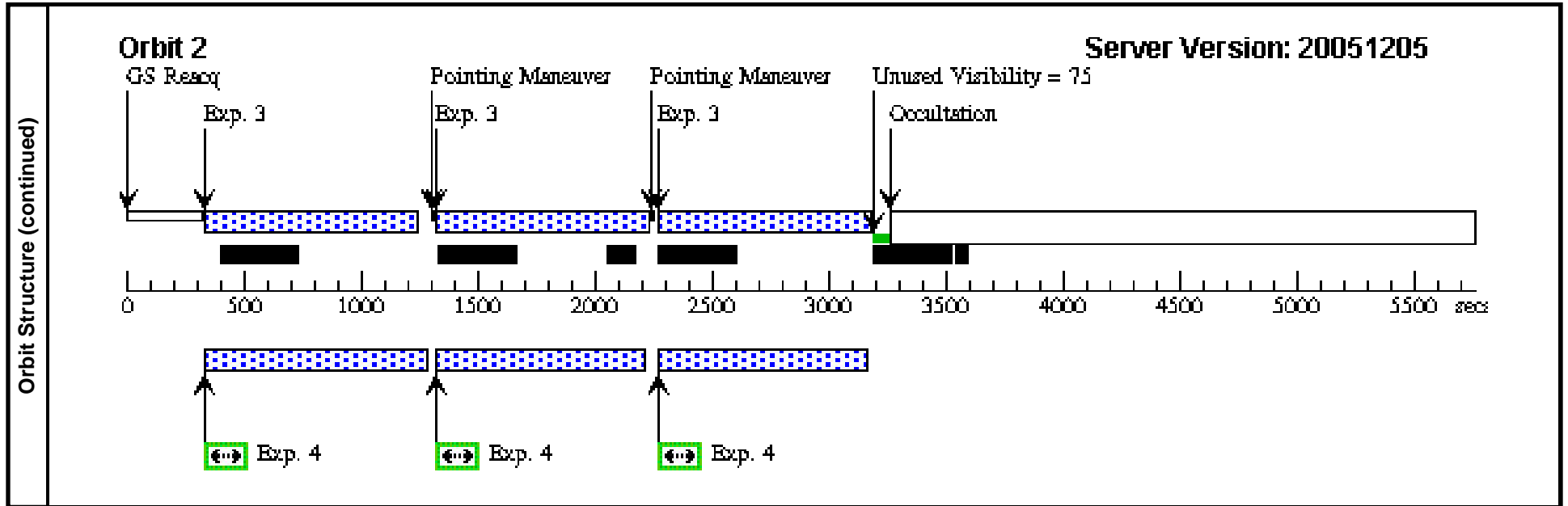


Proposal 10404 - Visit 13 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:41 GMT 2006

| Visit | | Proposal 10404, Visit 13 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 104.5D TO 105.5 D; ORIENT 284.5D TO 285.5 D Comments: Field 7 | | | | | | | | | |
|---------------|-----|---|--|--|--------------------------|--------------------------------|------------------|---|--|--------------|-------|
| Patterns | # | Primary Pattern | | | | Secondary Pattern | | | | Exposures | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | | | | | (1-2), (3-4) | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | | Miscellaneous | | |
| | (7) | MRC1138-262-NICFIELD7 | RA: 11 40 44.1419 (175.1839246d) Dec: -26 29 46.26 (-26.49618d) Equinox: J2000 Plate Id: 04NR | | Redshift: 2.16 | | V=22.0 | | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | | Orbit |
| | 1 | F160W-Fiel d7-1orb | (7) MRC1138-262-NICFIELD7 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [1] |
| | 2 | ACS B-Fiel d7 | (7) MRC1138-262-NICFIELD7 | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [1] |
| | 3 | F160W-Fiel d7-1orb | (7) MRC1138-262-NICFIELD7 | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [2] |
| | 4 | ACS z-Field 7 | (7) MRC1138-262-NICFIELD7 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | | [2] |

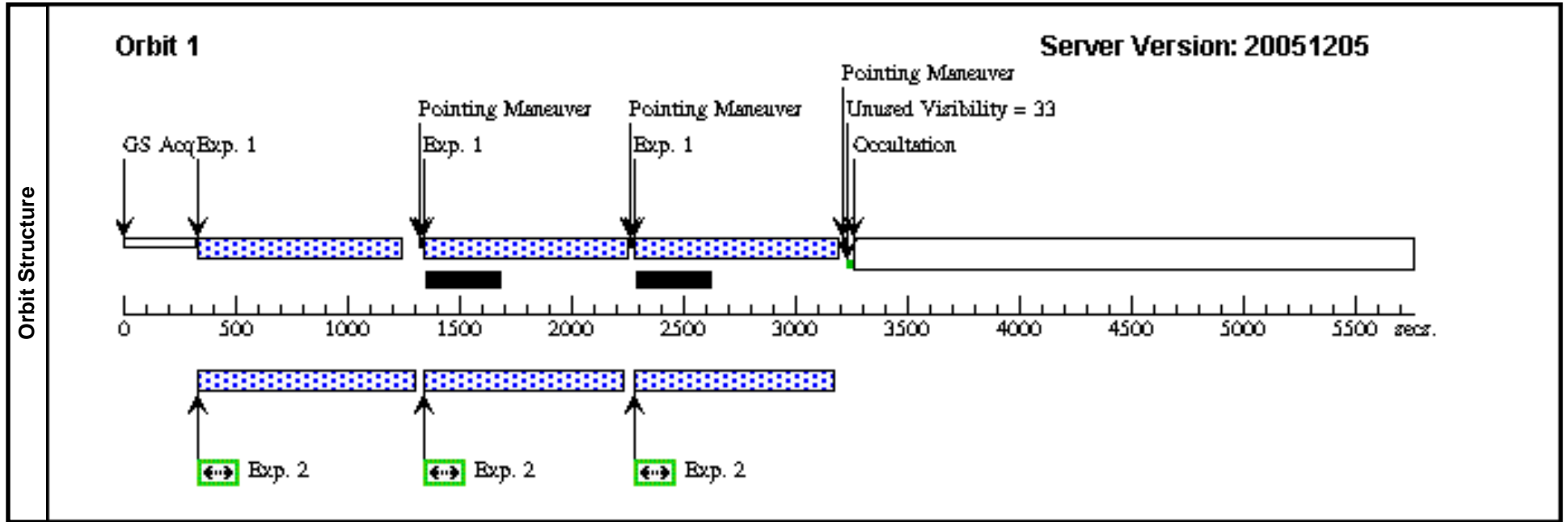


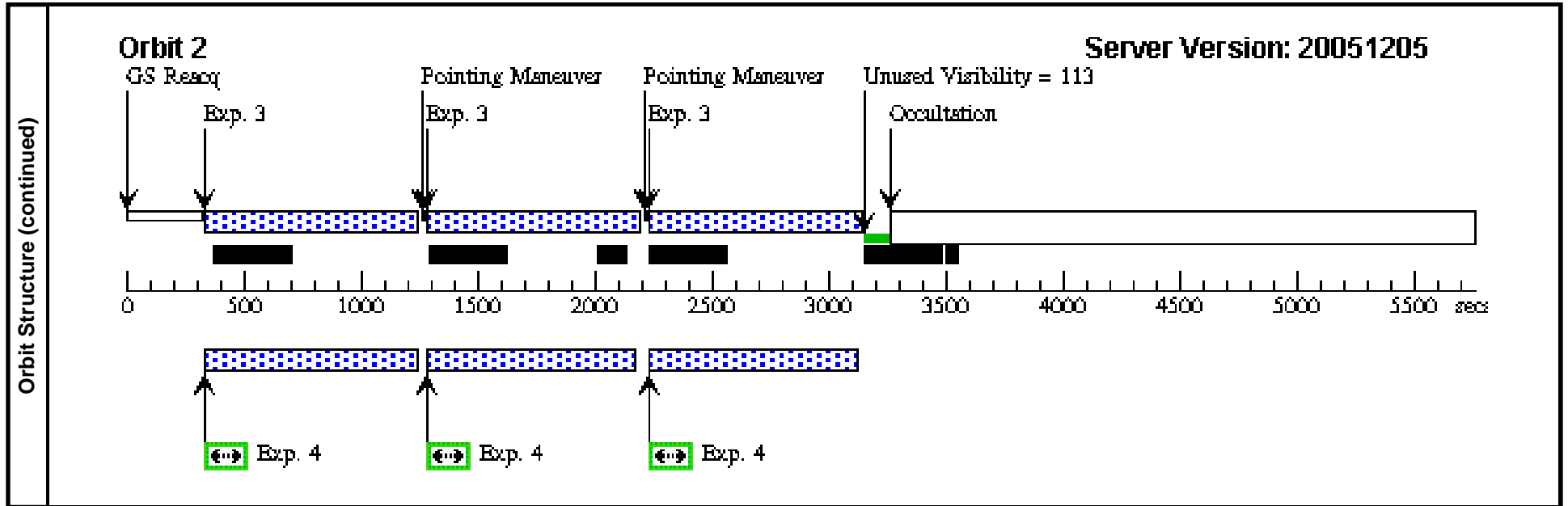


Proposal 10404 - Visit 14 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:43 GMT 2006

| Visit | Proposal 10404, Visit 14 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 13 Comments: Field 7 | | | | | | | | | |
|---------------|--|---|--|--------------------------|---------------|--|------------------|---|--|-------|
| | Patterns | # | Primary Pattern | Secondary Pattern | Exposures | | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | (1-2), (3-4) | | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (7) | MRC1138-262-NICFIELD7 | RA: 11 40 44.1419 (175.1839246d) Dec: -26 29 46.26 (-26.49618d) Equinox: J2000 Plate Id: 04NR | Redshift: 2.16 | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Field7-1orb | (7) MRC1138-262-NICFIELD7 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS i-Field 7 | (7) MRC1138-262-NICFIELD7 | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | F110W-Field7-1orb | (7) MRC1138-262-NICFIELD7 | NIC3, MULTIACCUM, NIC3 | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| | 4 | ACS z-Field 7 | (7) MRC1138-262-NICFIELD7 | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |

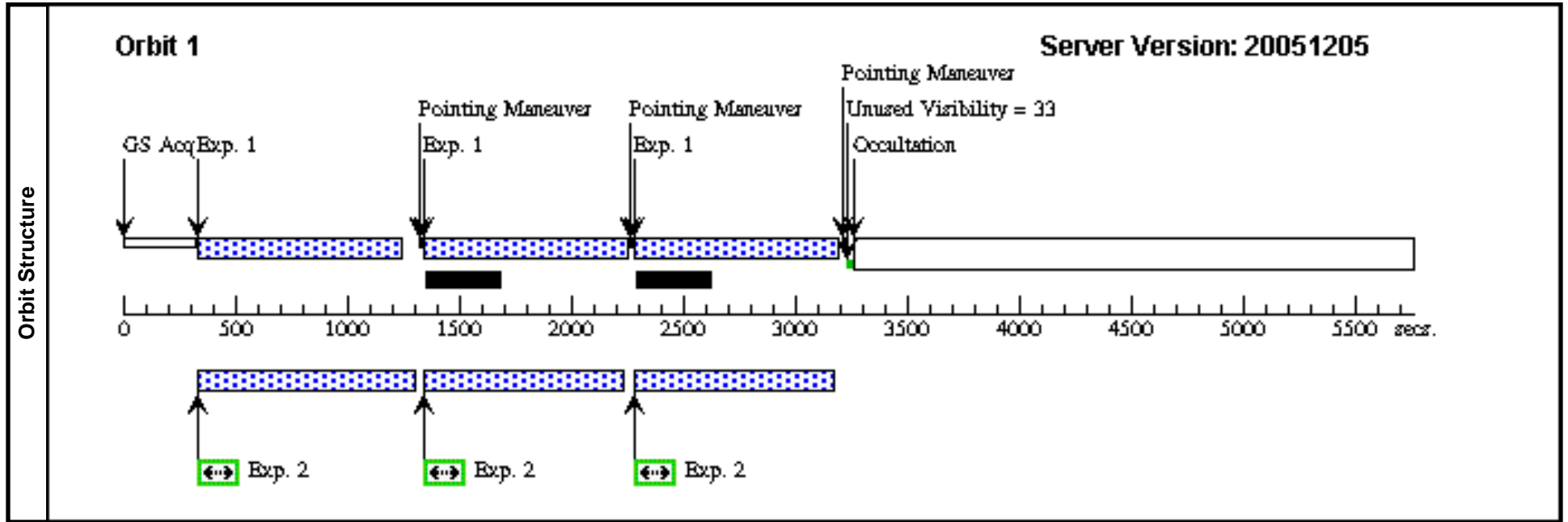


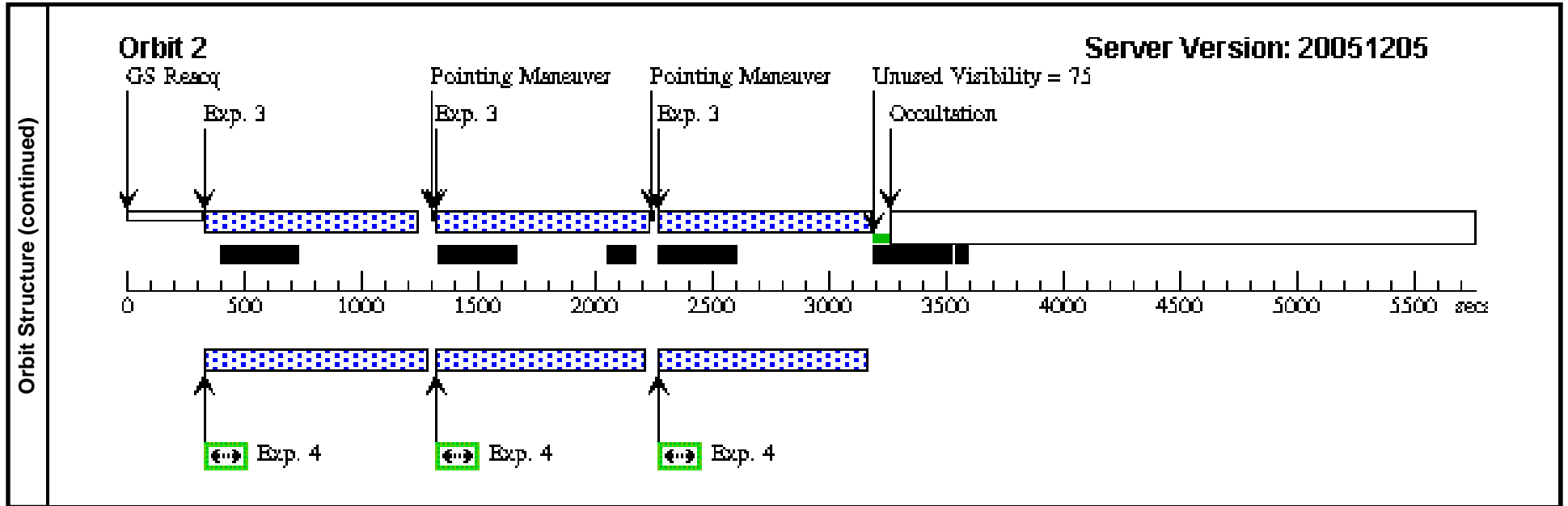


Proposal 10404 - Visit 15 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:44 GMT 2006

| Visit | | Proposal 10404, Visit 15 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: ORIENT 102.5D TO 107.5 D; ORIENT 282.5D TO 287.5 D Comments: Field 1 | | | | | | | | |
|---------------|-----------------|---|---|--------------------------|---------------|--|---|--|--|-------|
| Patterns | # | Primary Pattern | | Secondary Pattern | | Exposures | | | | |
| | (1) | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=2.25 Line Spacing= | Coordinate Frame=POS-TARG Pattern Orientation=135 Angle Between Sides= Center Pattern=false | | | (1-2), (3-4) | | | | |
| Fixed Targets | # | Name | Target Coordinates | Targ. Coord. Corrections | Fluxes | Miscellaneous | | | | |
| | (8) | MRC1138-262-OUTRIGGER | RA: 11 40 55.3839 (175.2307662d) Dec: -26 28 6.85 (-26.46857d) Equinox: J2000 Plate Id: 04NR | | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Outrigger-lorb | (8) MRC1138-262-O UTRIGGER | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 1-2 (1) Prime + Parallel Group 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS B-Outrigger | (8) MRC1138-262-O UTRIGGER | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (1) Prime + Parallel Group 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 3 | F160W-Outrigger-lorb | (8) MRC1138-262-O UTRIGGER | NIC3, MULTIACCUM, NIC3 | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | POS TARG 0.7,0.9 | Pattern 3-4 (1) Prime + Parallel Group 3-4 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] |
| 4 | ACS z-Outrigger | (8) MRC1138-262-O UTRIGGER | ACS/WFC, ACCUM, WFC-FIX | F850LP | CR-SPLIT=NO | | Pattern 3-4 (1) Prime + Parallel Group 3-4 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [2] | |

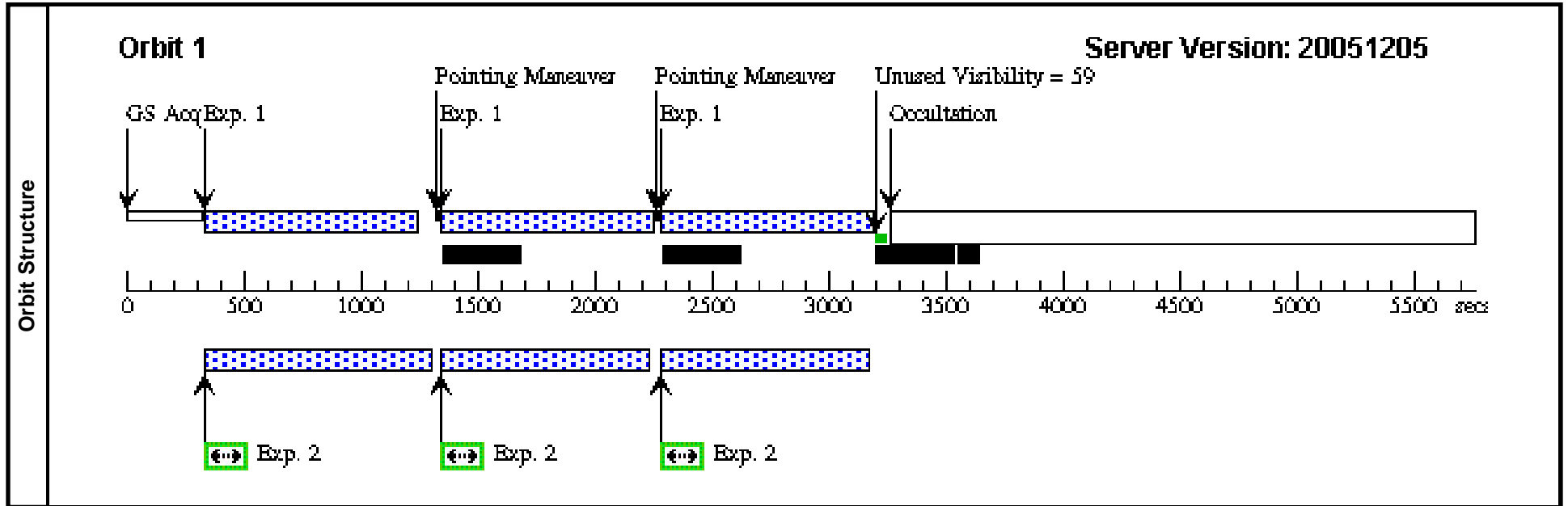




Proposal 10404 - Visit 16 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:45 GMT 2006

| | | | | | | | | | | |
|----------------------|--|--|---|---|---------------------------------|-----------------------------------|--------------------------|---|--|------------------|
| Visit | Proposal 10404, Visit 16 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: (none) Comments: <i>Field Reacq 4</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures |
| (6) | | Pattern Type=NIC-SPIRAL-DITH Purpose=DITHER Number Of Points=3 Point Spacing=1.7 Line Spacing= | | Coordinate Frame=POS-TARG Pattern Orientation=45 Angle Between Sides= Center Pattern=false | | | | | (1-2) | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | Miscellaneous | | |
| | (9) | MRC1138-262-REACQ4 | RA: 11 40 48.9000 (175.2037500d) Dec: -26 29 8.48 (-26.48569d) Equinox: J2000 Plate Id: 04NR | | | | V=22.0 | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F160W-Fiel d reacq4-1or b | (9) MRC1138-262-R EACQ4 | NIC3, MULTIACCUM, NIC3-FIX | F160W | SAMP-SEQ=SPARS 64; NSAMP=16 | | Pattern 1-2 (6) Prime + Parallel Gro up 1-2 | [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |
| | 2 | ACS B-Fiel d reacq4 | ANY | ACS/WFC, ACCUM, WFC-FIX | F435W | CR-SPLIT=NO | | Pattern 1-2 (6) Prime + Parallel Gro up 1-2 | 765.0 Secs [==>(Pattern 1)] [==>(Pattern 2)] [==>(Pattern 3)] | [1] |



Proposal 10404 - Visit 17 - The Nature of Protocluster Galaxies at z=2.16: Morphology-Density and Color-Magnitude Relations

Tue Mar 21 04:37:45 GMT 2006

| | | | | | | | | | | |
|----------------------|---|------------------------------|---|-----------------------------|---------------------------------|--------------------------------|--------------------------|---|---|------------------|
| Visit | Proposal 10404, Visit 17 Diagnostic Status: No Diagnostics Scientific Instruments: ACS/WFC, NIC3 Special Requirements: SAME ORIENT AS 16 Comments: <i>Field Reacq 4</i> | | | | | | | | | |
| | Patterns | # | Primary Pattern | | | | Secondary Pattern | | | Exposures |
| (6) | | Pattern Type=NIC-SPIRAL-DITH | | Coordinate Frame=POS-TARG | | | | | (1-2) | |
| | | Purpose=DITHER | | Pattern Orientation=45 | | | | | | |
| | | Number Of Points=3 | | Angle Between Sides= | | | | | | |
| | | Point Spacing=1.7 | | Center Pattern=false | | | | | | |
| | | Line Spacing= | | | | | | | | |
| Fixed Targets | # | Name | Target Coordinates | | Targ. Coord. Corrections | | Fluxes | | Miscellaneous | |
| | (9) | MRC1138-262-REACQ4 | RA: 11 40 48.9000 (175.2037500d) Dec: -26 29 8.48 (-26.48569d) Equinox: J2000 Plate Id: 04NR | | | | V=22.0 | | Coordinate Source: IMAGE_TIED_TO_GSC_FRAME | |
| Exposures | # | Label | Target | Config,Mode,Aperture | Spectral Els. | Opt. Params. | Special Reqs. | Groups | Exp. Time/[Actual Dur.] | Orbit |
| | 1 | F110W-Fieldreacq4-1orb | (9) MRC1138-262-R EACQ4 | NIC3, MULTIACCUM, NIC3-FIX | F110W | SAMP-SEQ=SPARS 64; NSAMP=16 | | Pattern 1-2 (6) Prime + Parallel Group 1-2 | [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |
| | 2 | ACS i-Fieldreacq4 | ANY | ACS/WFC, ACCUM, WFC-FIX | F775W | CR-SPLIT=NO | | Pattern 1-2 (6) Prime + Parallel Group 1-2 | 765.0 Secs [=>(Pattern 1)] [=>(Pattern 2)] [=>(Pattern 3)] | [1] |

