

UVIS Rings Spectroscopy Atlas

The UVIS FUV and EUV channels have 64 X 1024 pixels spatial and spectral pixels each, respectively. For this document a “pixel” refers to the projection of a single pixel onto the ring plane. Due to the motion of the spacecraft during an integration period the projection of the pixel onto the ring plane may vary in location both radially and azimuthally, resulting in a “smeared” projected pixel. An observation typically consists of multiple integration periods, where each set of 64 X 1024 pixels of data constitute a single data record. For example an observation with 10 data records consists of 64 X 1024 X 10 pixels of data. Some observations were designed where the spectra were binned. For example spectral binning equal to 2 with 10 data records results in 64 X 512 X 10 separate pixels of data. The figures containing an axis or axes in units of Rs are in units of the dynamical radius of Saturn, which is 60330 km.

Incidence, emission, and phase angles range from 0°-180°, with 0° normal to the ring plane in the Saturn North Pole direction.

Top left: Projection of each smeared pixel for all data records in ring plane looking down on Saturn North pole with Sun to the left. The color code is rainbow from IDL color palette 13 and is normalized with violet and red corresponding to the lowest and highest count rates, respectively.

Top center: Example of the movement of a single projected pixel from start to finish of the integration period.

Middle left: Distance of the spacecraft from the ring plane for each projected pixel for all data records plotted against the radial location of the center of the projected pixel at the middle of the integration period.

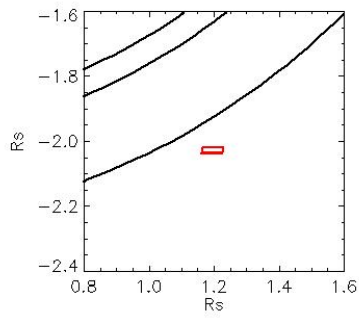
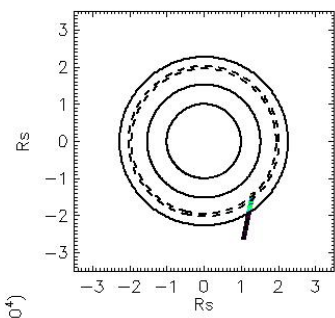
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

Middle right: Phase, incidence, and emission angles for each pixel for all data records at the middle of the integration period.

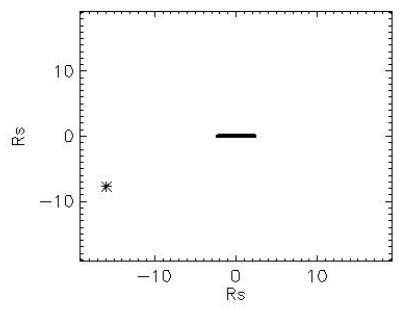
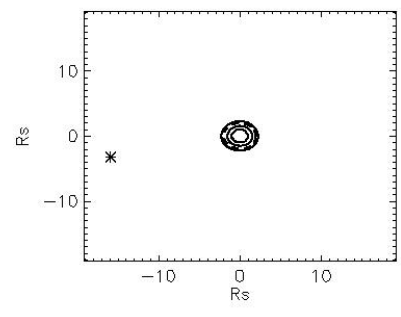
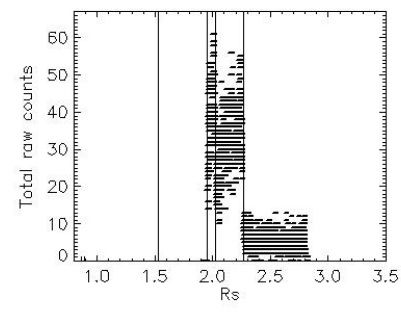
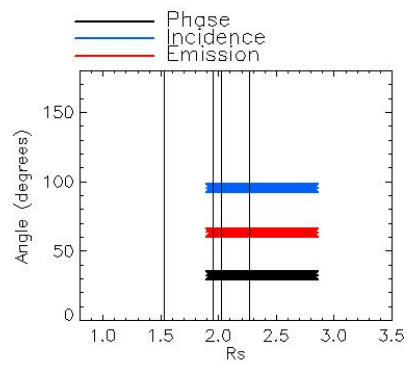
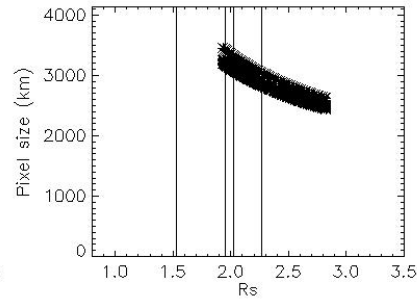
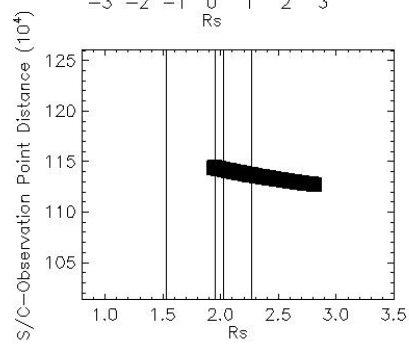
Bottom left: Total raw counts from 175.2 – 189.8 nm for each pixel for all data records.

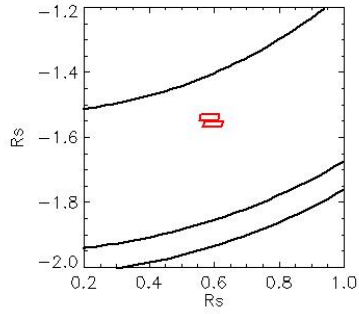
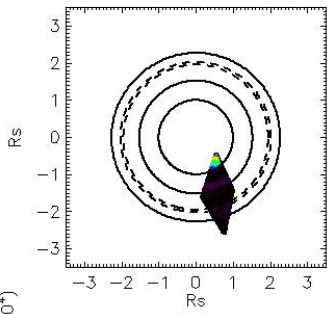
Bottom center: Location of spacecraft throughout an observation looking down on Saturn North Pole with the Sun to the left.

Bottom right: Location of spacecraft throughout an observation looking in the equatorial plane with the Sun to the left.



Observation Name:
UVIS_081RLTMAPN30LP001_CIRS
Observation Date:
2008_230_00_35_51
Observation Duration:
1200 S
Integration time = 60 S





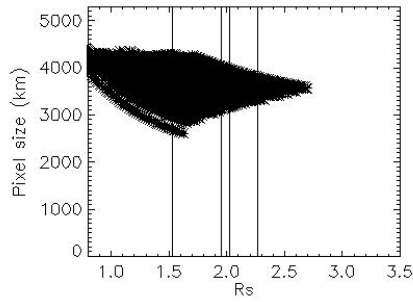
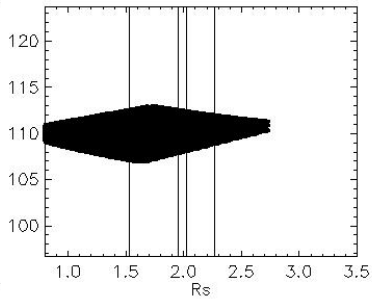
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_01_00_51

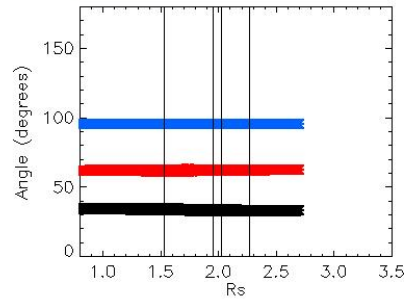
Observation Duration:
2700 S

Integration time = 60 S

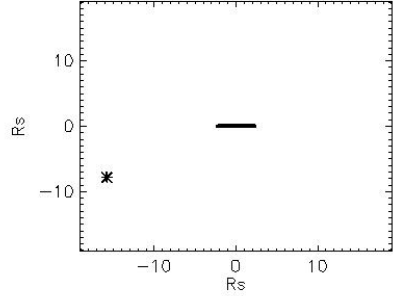
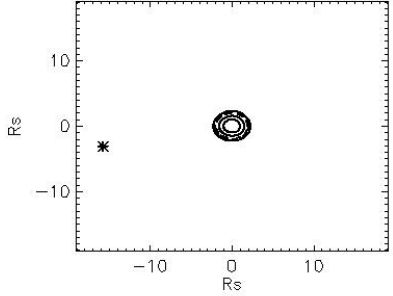
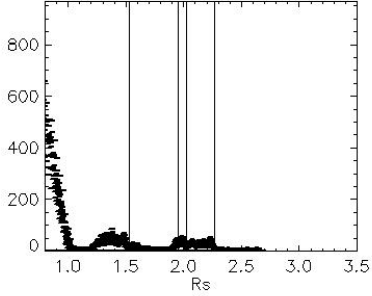
S/C—Observation Point Distance (10^4)

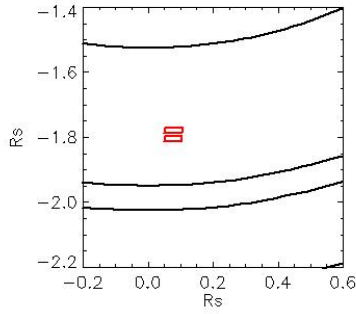
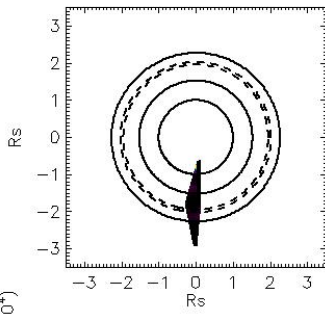


— Phase
— Incidence
— Emission



Total raw counts



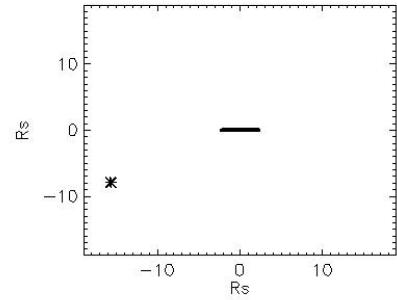
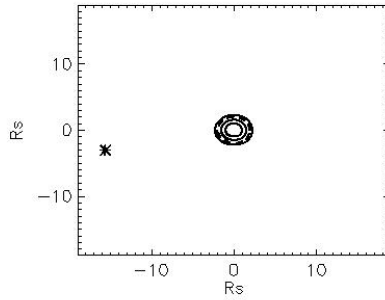
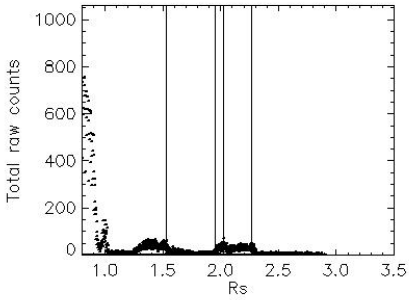
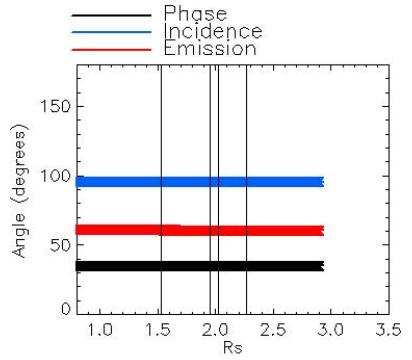
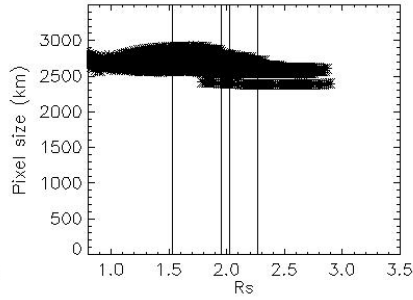
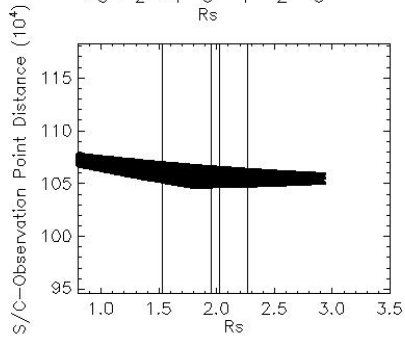


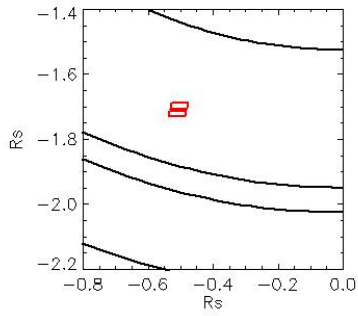
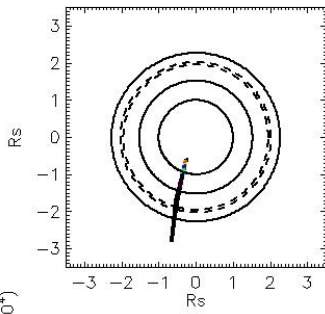
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_01_51_51

Observation Duration:
2700 S

Integration time = 60 S





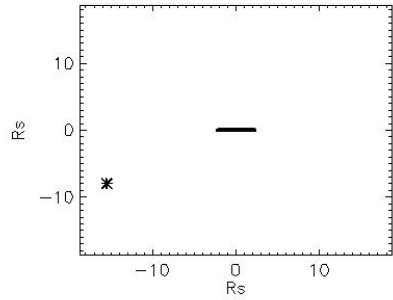
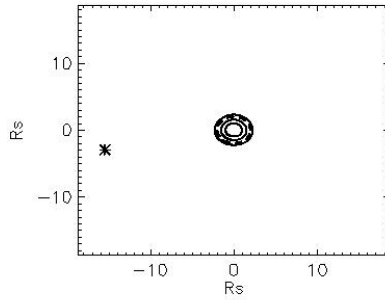
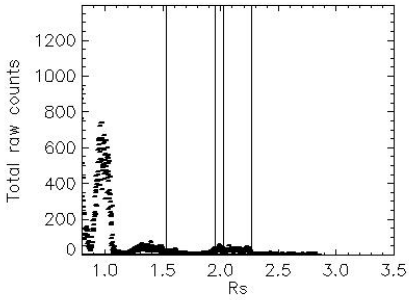
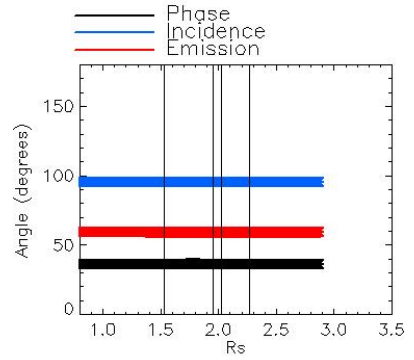
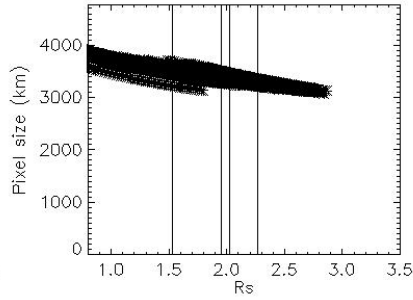
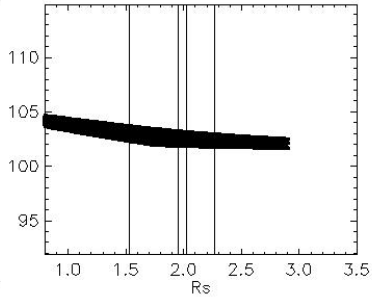
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_02_42_51

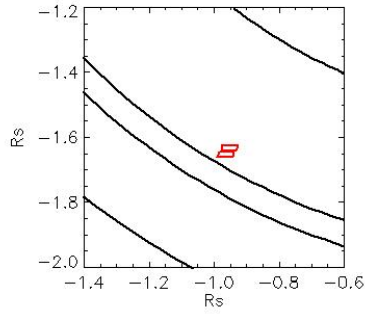
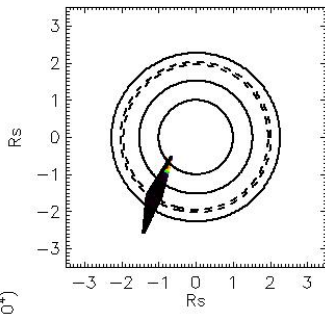
Observation Duration:
2700 S

Integration time = 60 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission

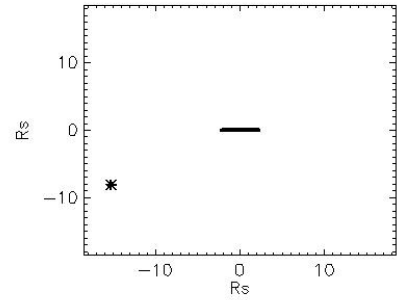
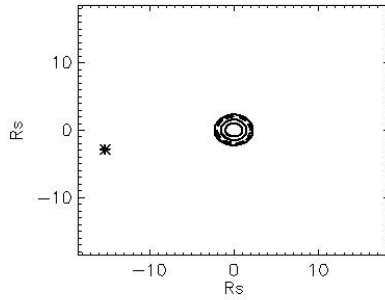
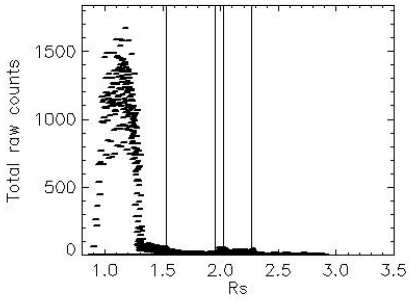
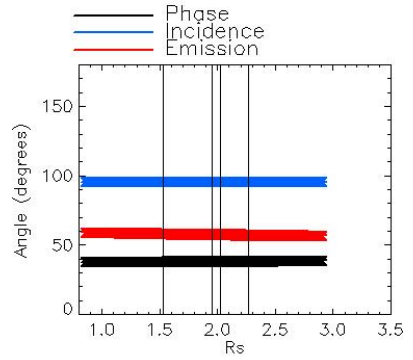
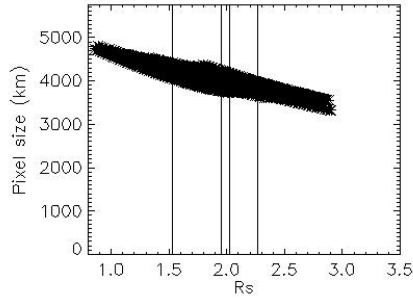
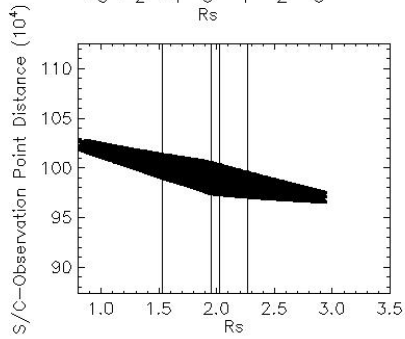


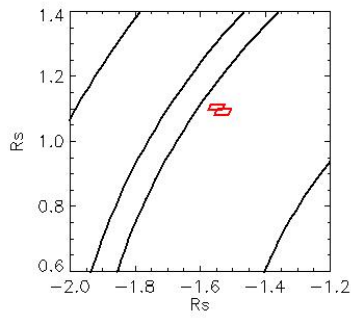
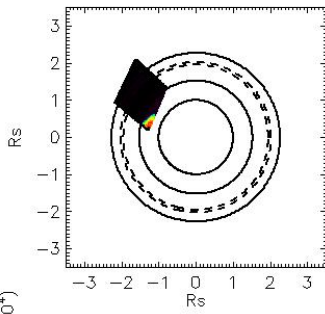
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_03_32_51

Observation Duration:
2700 S

Integration time = 60 S



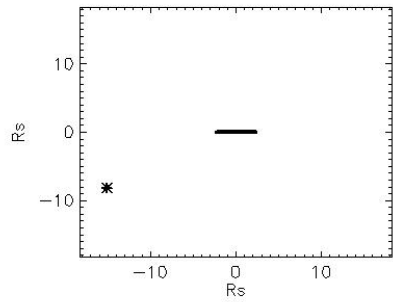
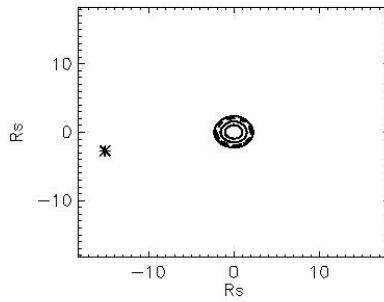
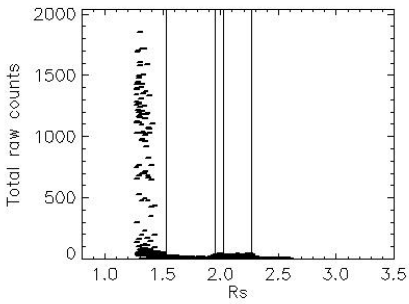
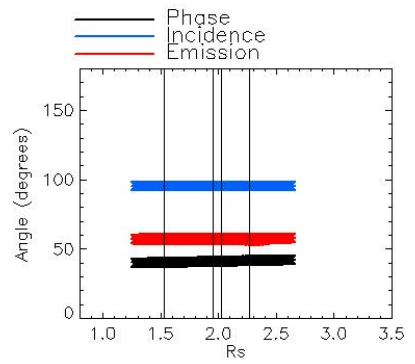
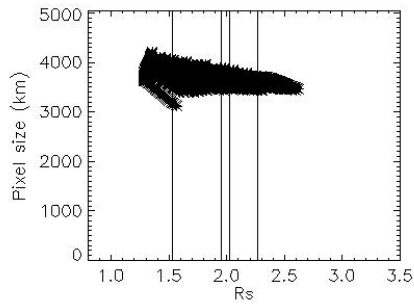
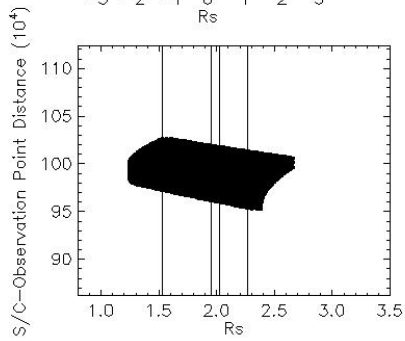


Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

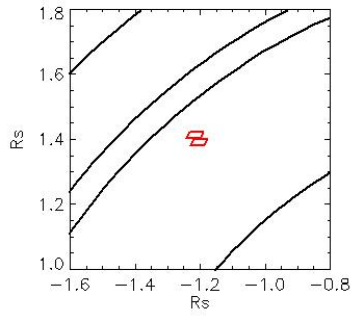
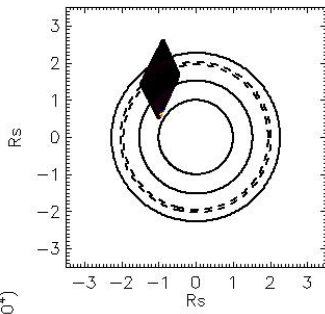
Observation Date:
2008_230_04_24_51

Observation Duration:
2700 S

Integration time = 60 S



— Phase
— Incidence
— Emission

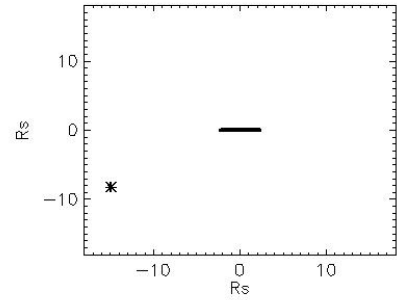
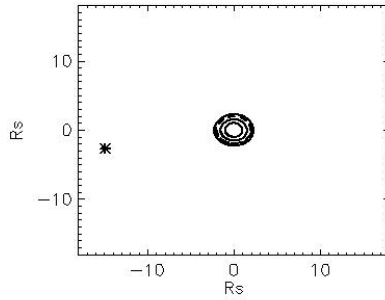
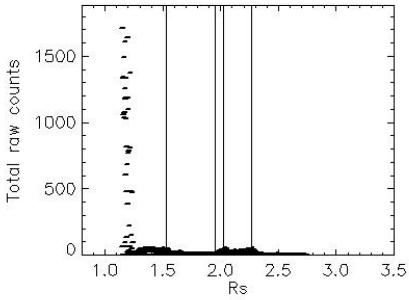
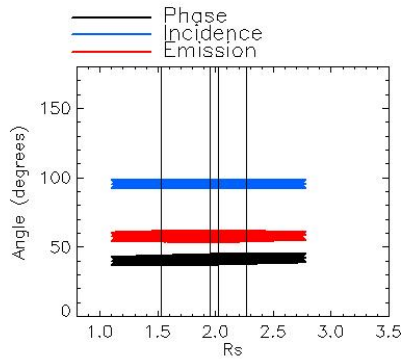
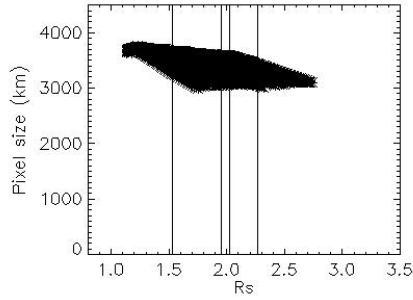
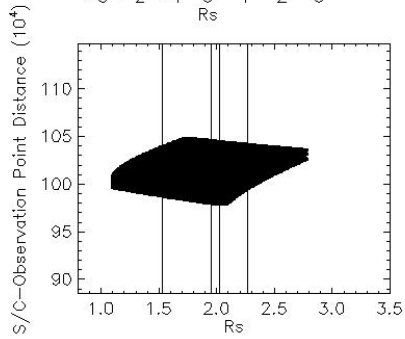


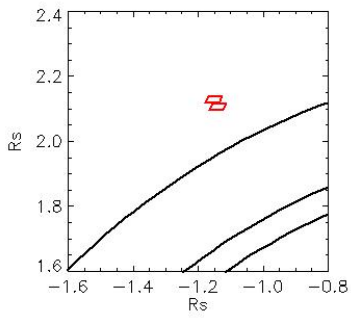
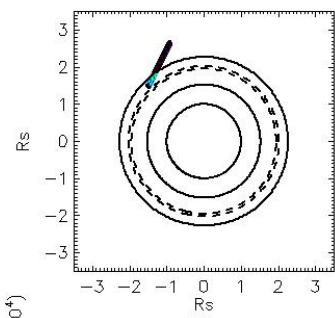
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_05_15_51

Observation Duration:
2460 S

Integration time = 60 S



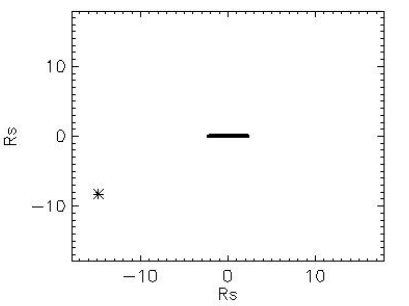
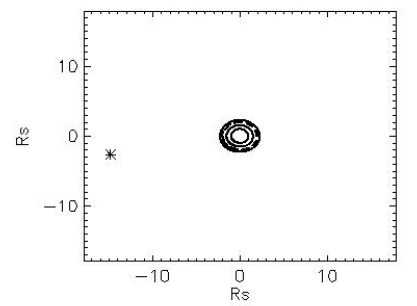
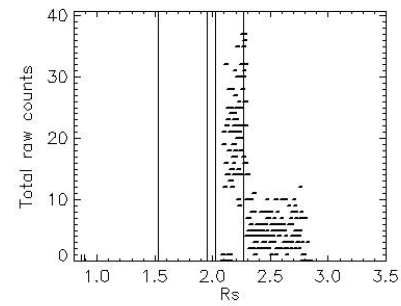
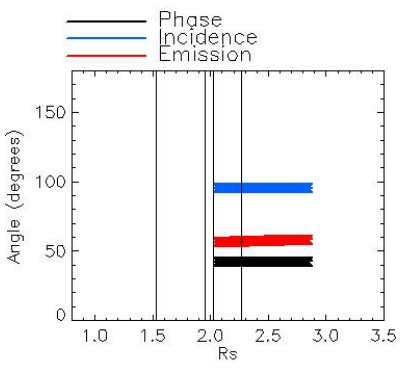
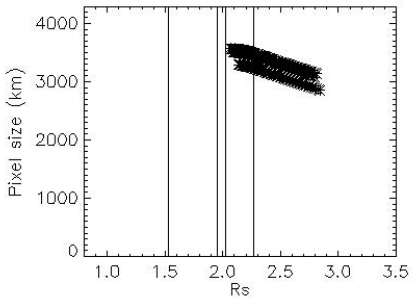
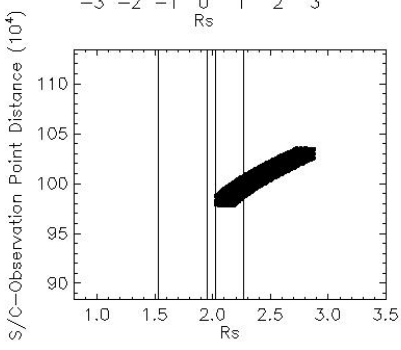


Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

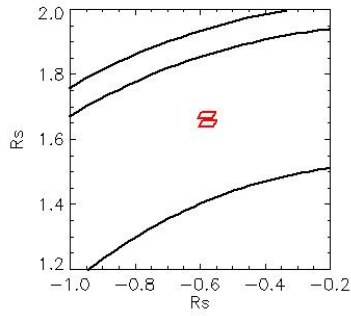
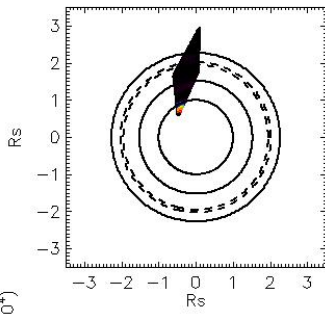
Observation Date:
2008_230_05_56_51

Observation Duration:
240 S

Integration time = 60 S



— Phase
— Incidence
— Emission

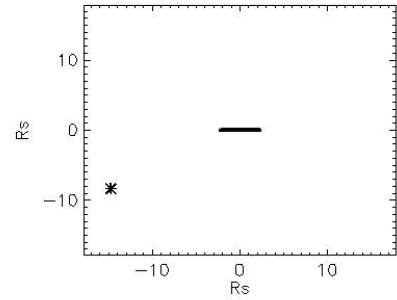
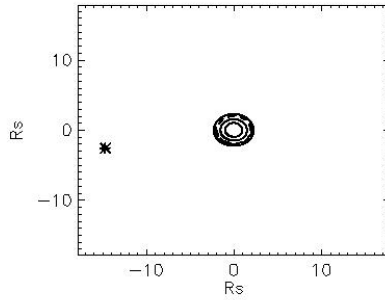
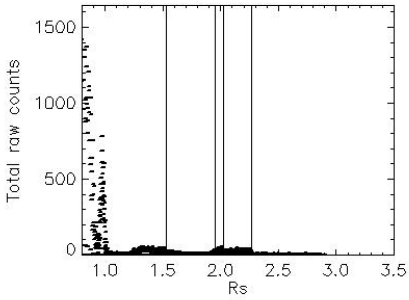
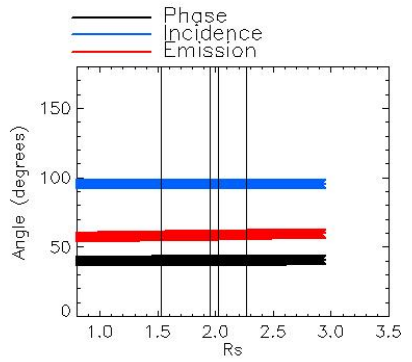
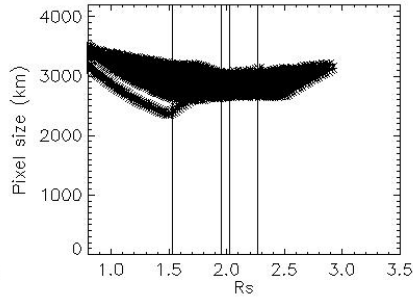
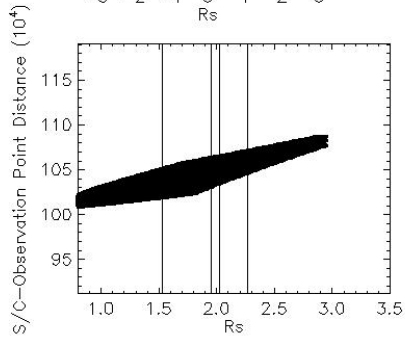


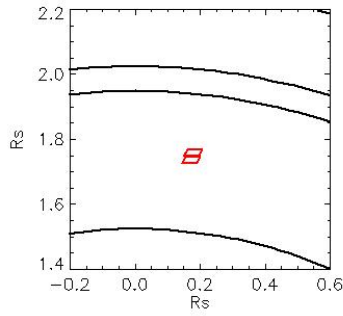
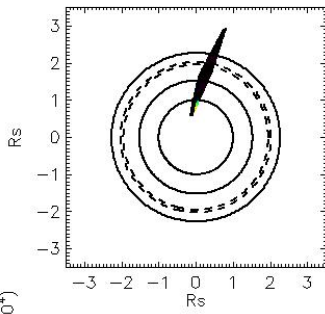
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_06_06_51

Observation Duration:
2700 S

Integration time = 60 S



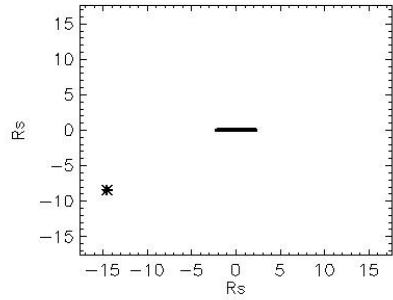
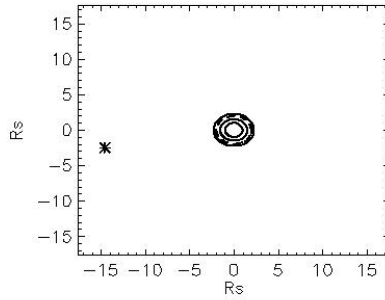
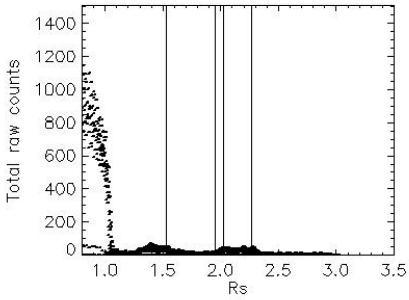
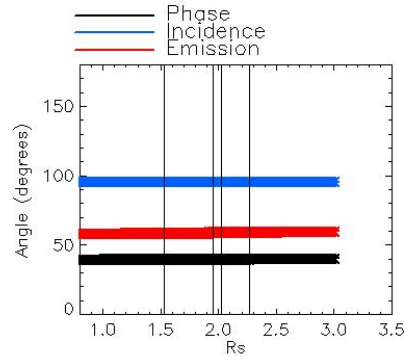
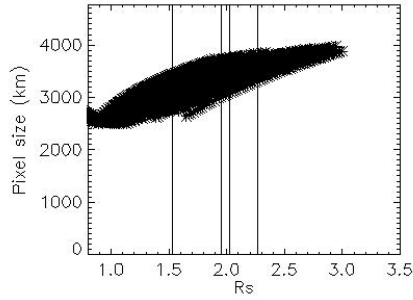
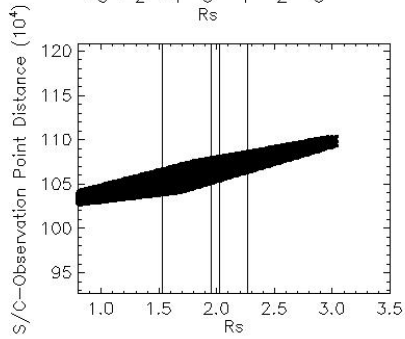


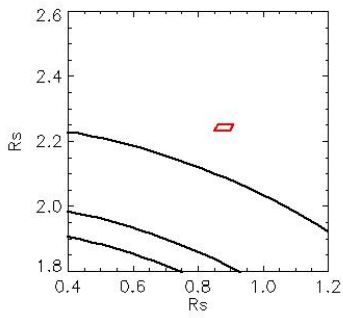
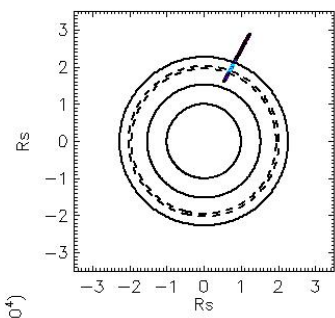
Observation Name:
UVIS_081RLTMAPN30LP001_CIRS

Observation Date:
2008_230_06_57_51

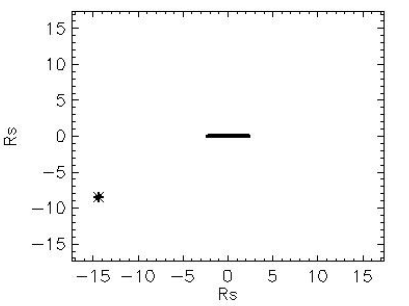
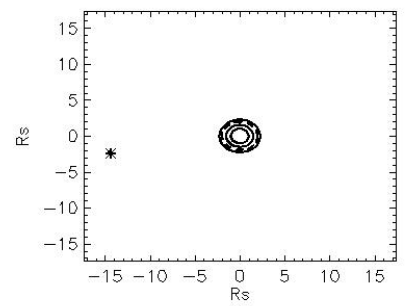
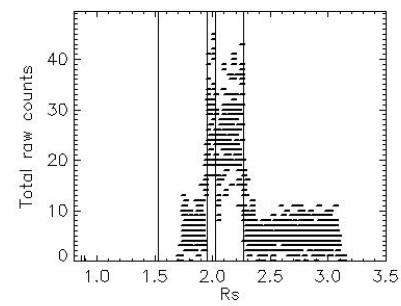
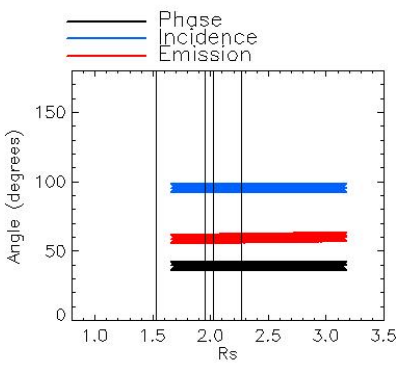
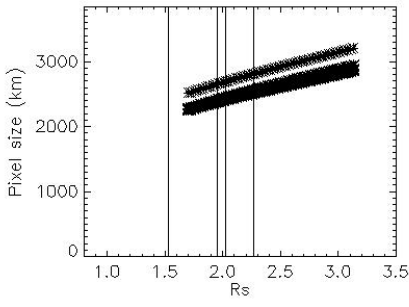
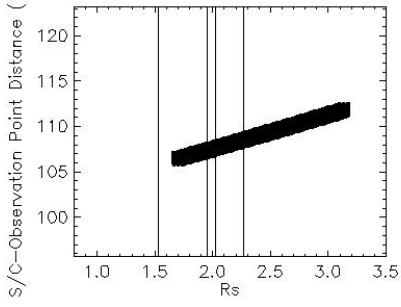
Observation Duration:
2700 S

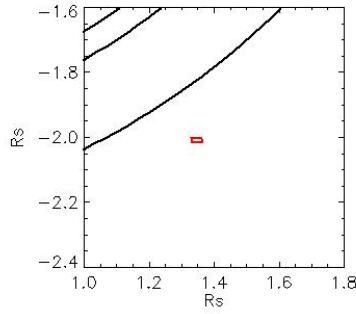
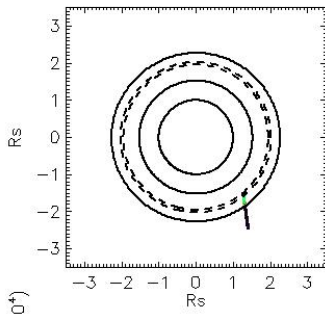
Integration time = 60 S





Observation Name:
UVIS_081RLTMAPN30LP001_CIRS
Observation Date:
2008_230_07_47_51
Observation Duration:
1080 S
Integration time = 60 S



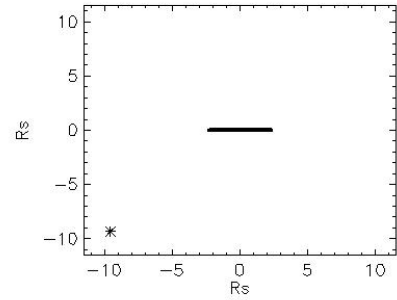
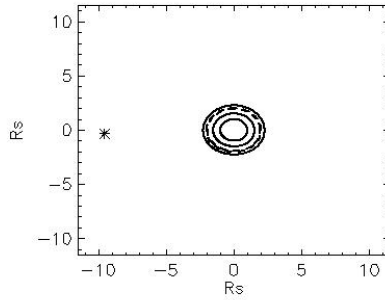
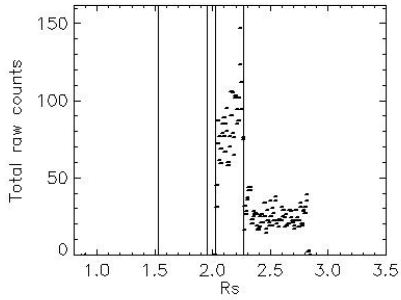
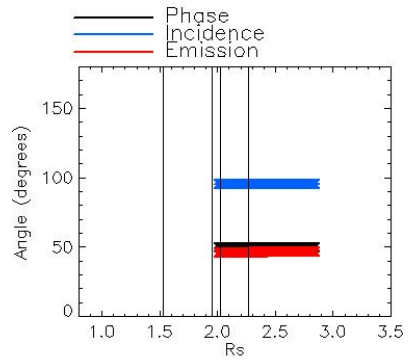
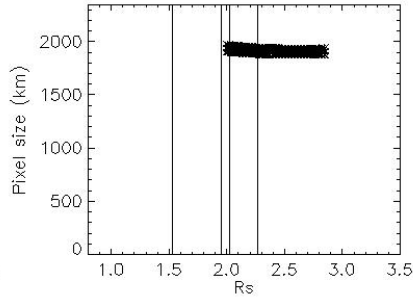
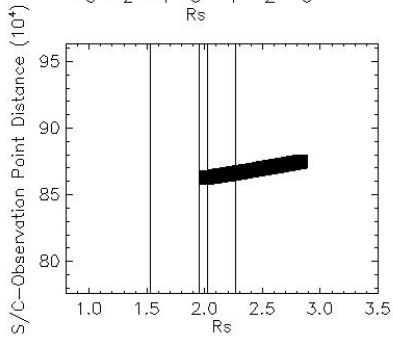


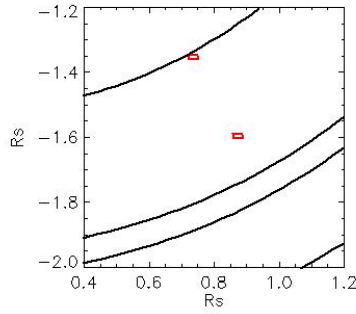
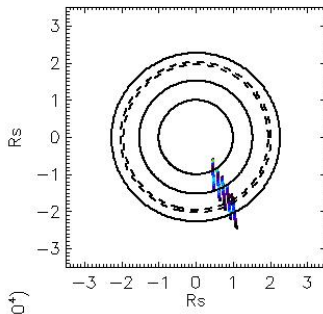
Observation Name:
UVIS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_00_39_51

Observation Duration:
600 S

Integration time = 300 S



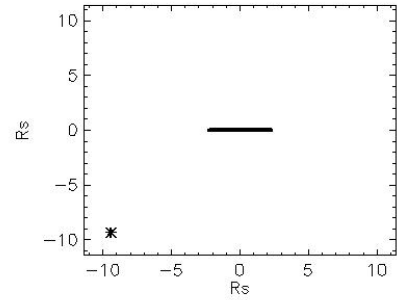
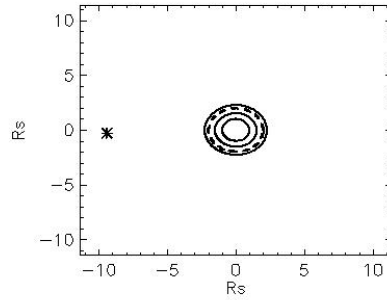
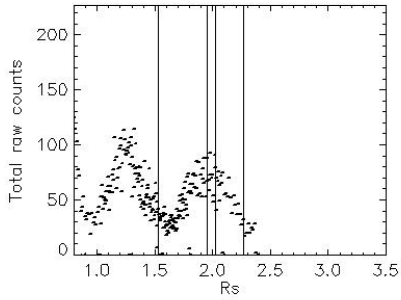
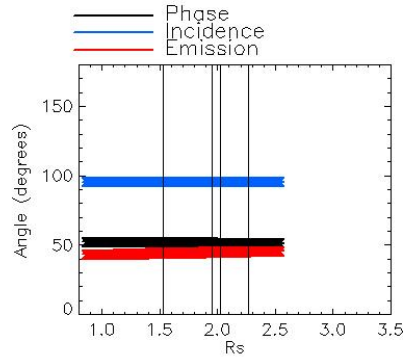
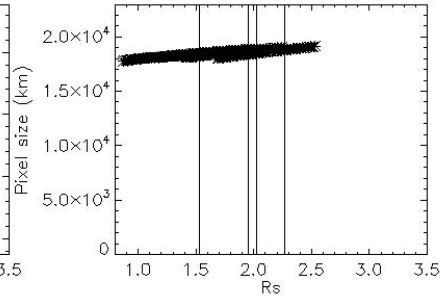
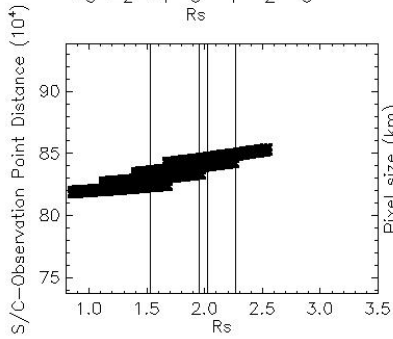


Observation Name:
UVS_081RLVTMPN60LP001_CIRS

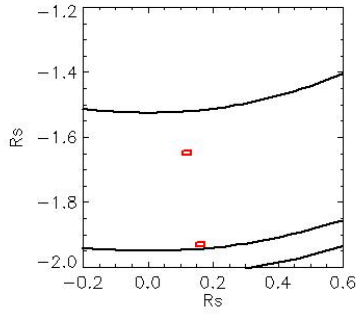
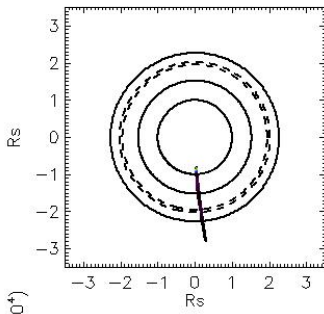
Observation Date:
2008_231_00_57_51

Observation Duration:
1200 S

Integration time = 300 S



— Phase
— Incidence
— Emission

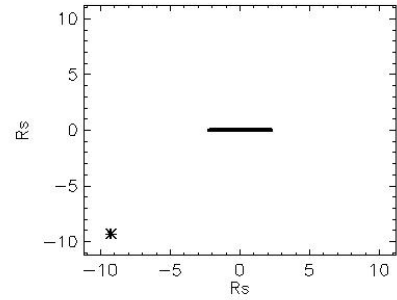
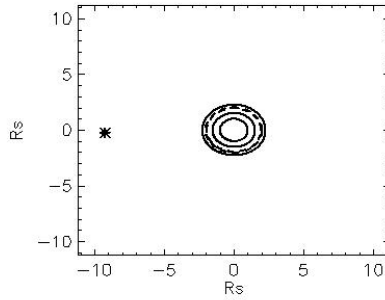
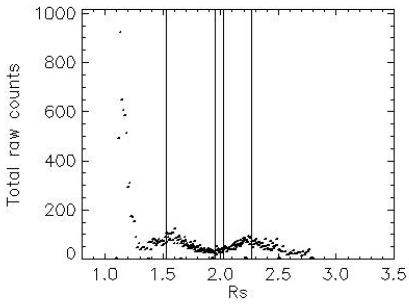
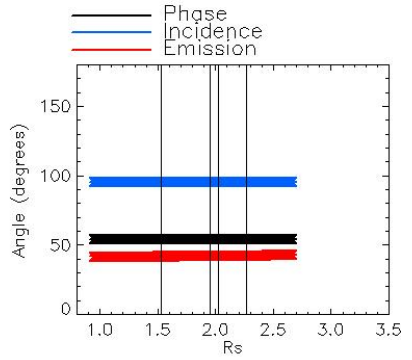
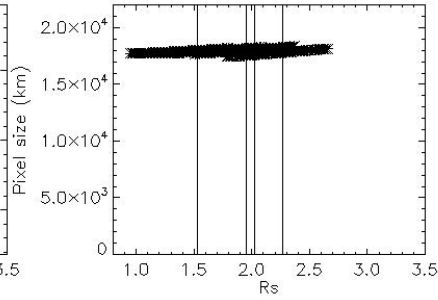
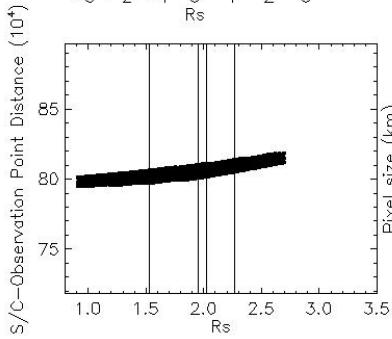


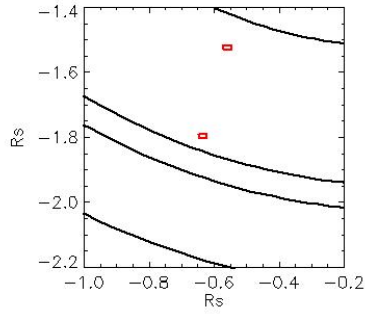
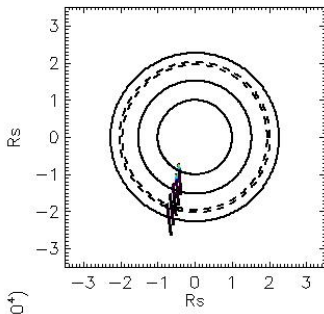
Observation Name:
UMS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_01_23_51

Observation Duration:
1200 S

Integration time = 300 S



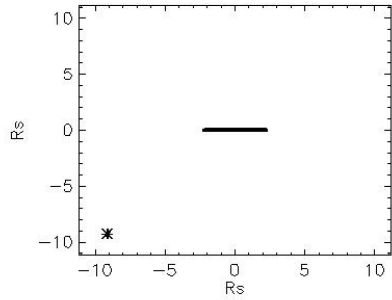
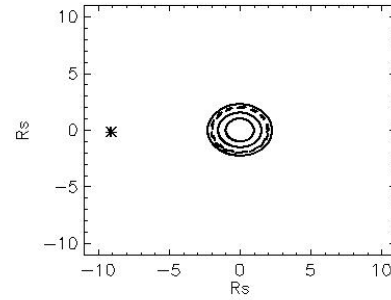
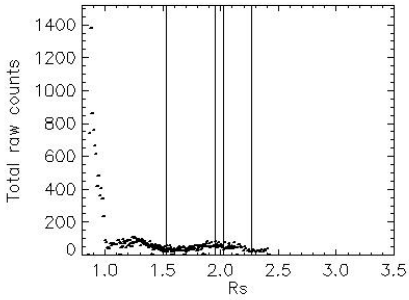
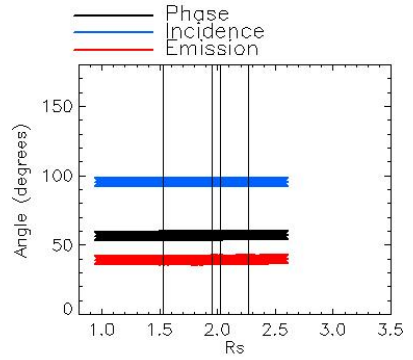
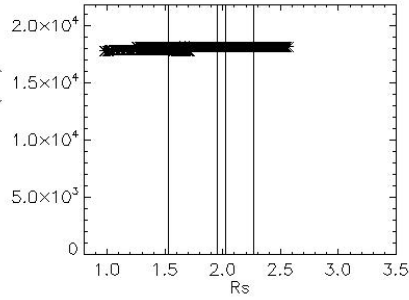
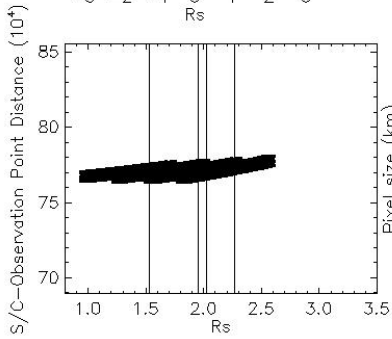


Observation Name:
UVIS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_01_49_51

Observation Duration:
1200 S

Integration time = 300 S



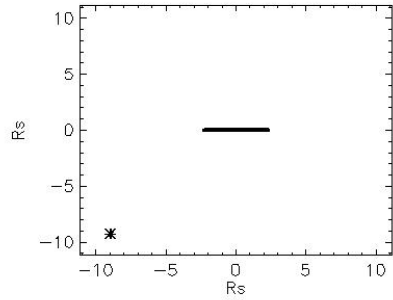
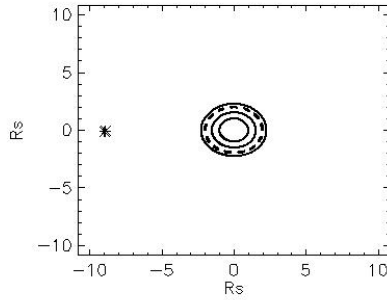
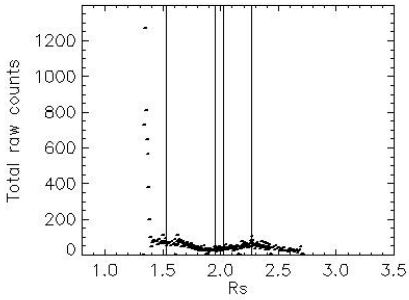
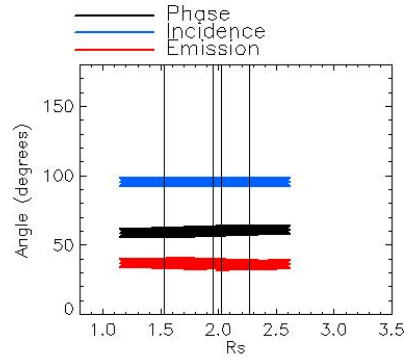
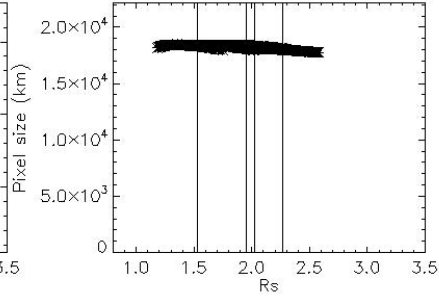
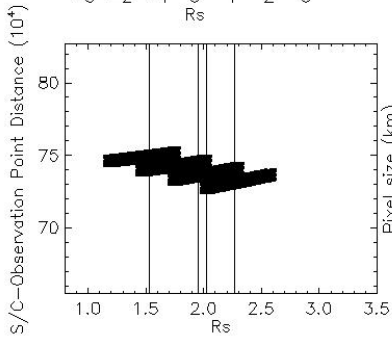
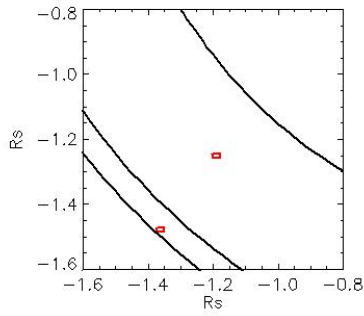
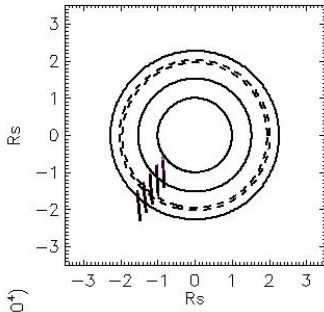
— Phase
— Incidence
— Emission

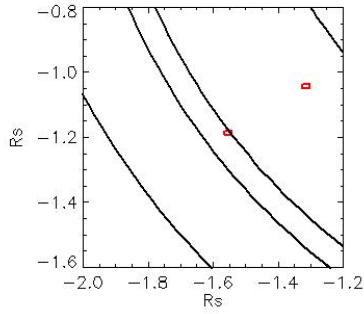
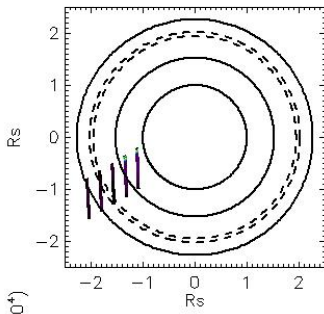
Observation Name:
UMS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_02_15_51

Observation Duration:
1200 S

Integration time = 300 S



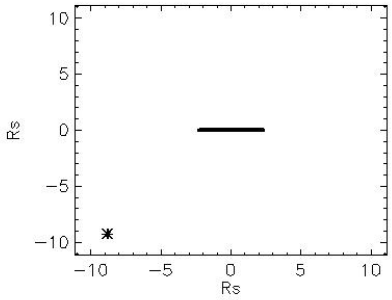
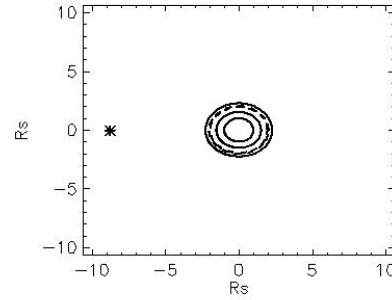
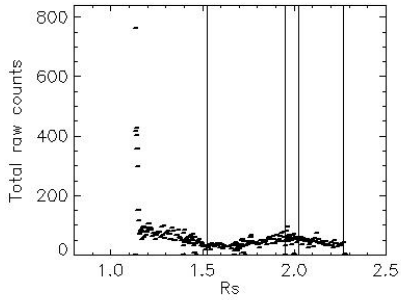
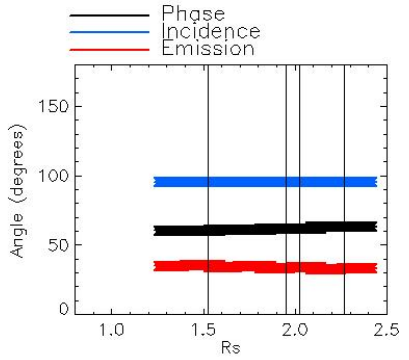
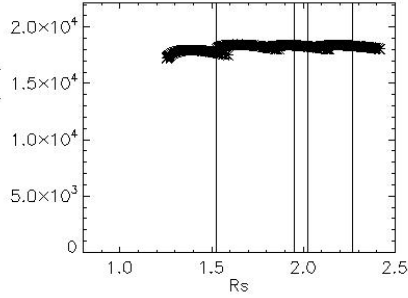
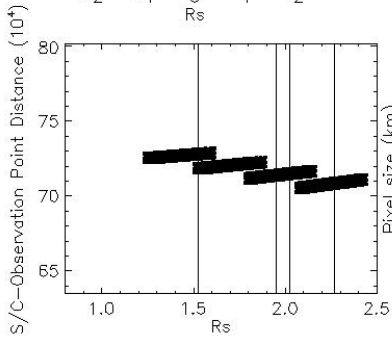


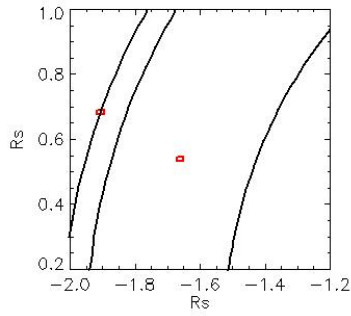
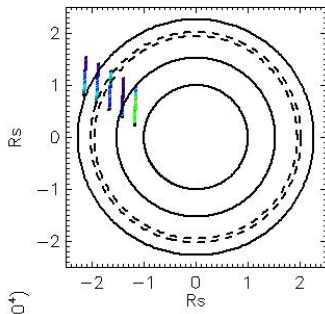
Observation Name:
UVS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_02_41_51

Observation Duration:
1200 S

Integration time = 300 S



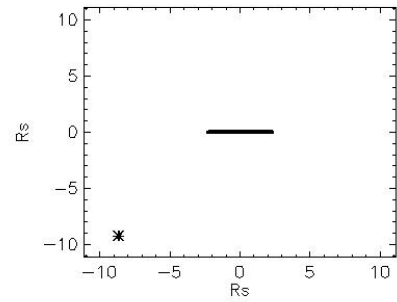
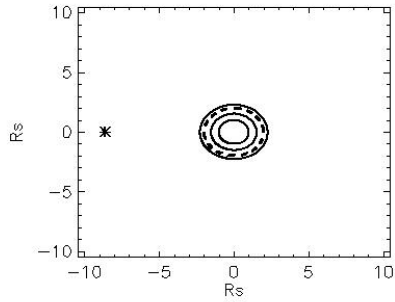
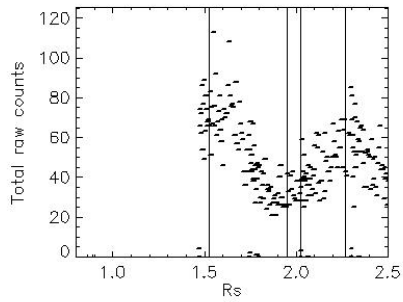
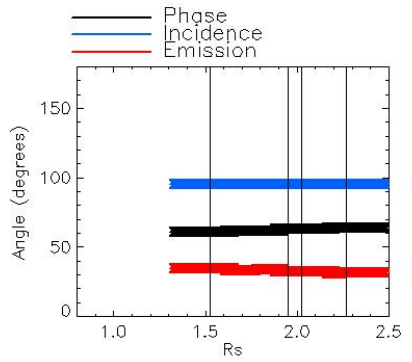
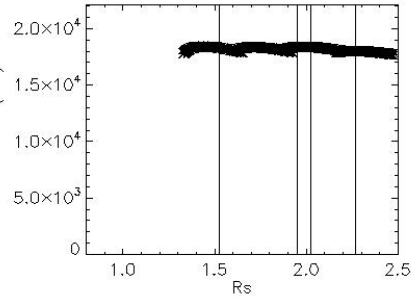
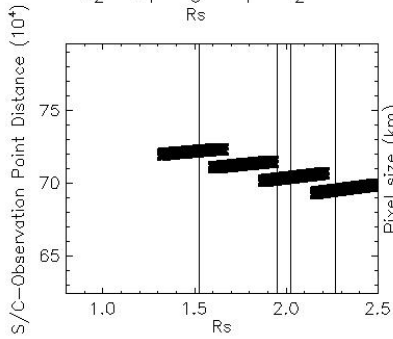


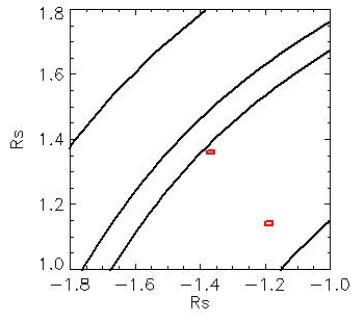
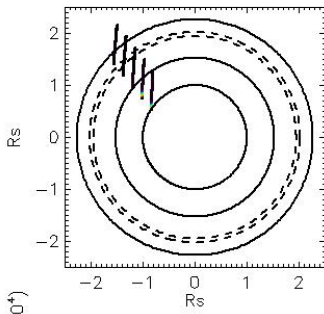
Observation Name:
UVS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_03_07_51

Observation Duration:
1200 S

Integration time = 300 S



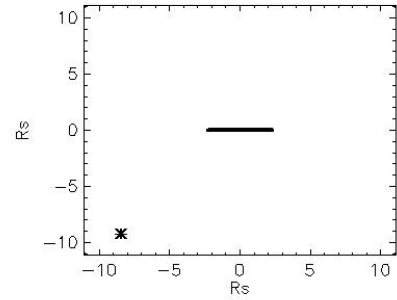
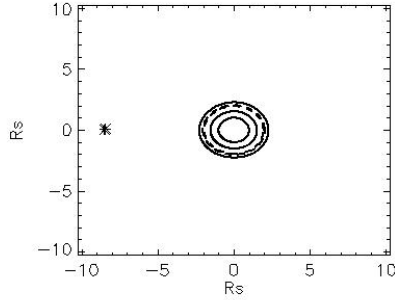
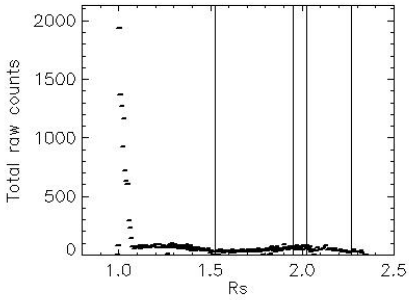
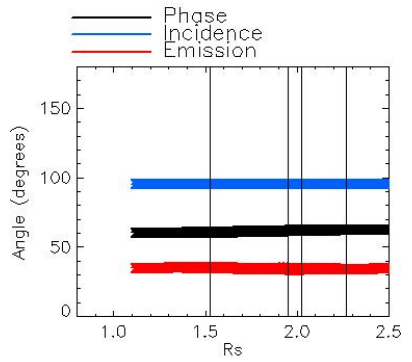
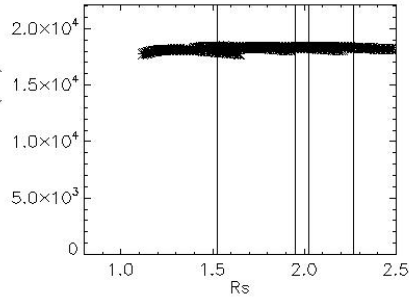
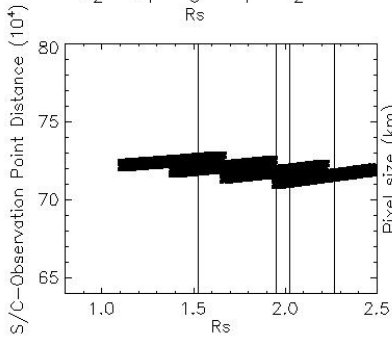


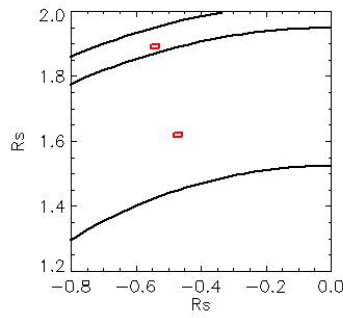
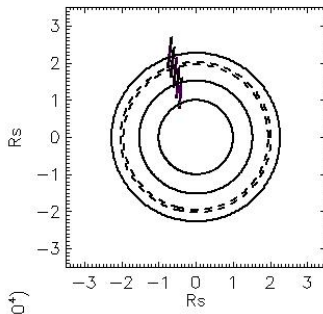
Observation Name:
UVIS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_03_33_51

Observation Duration:
1200 S

Integration time = 300 S



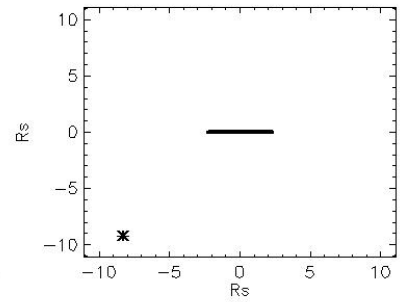
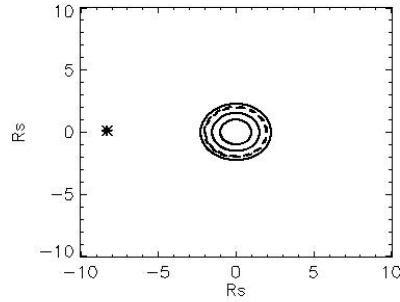
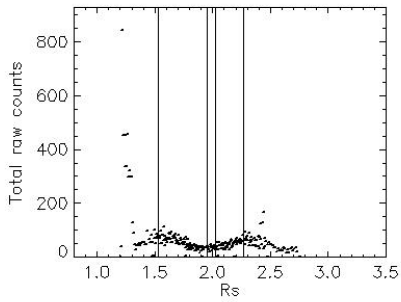
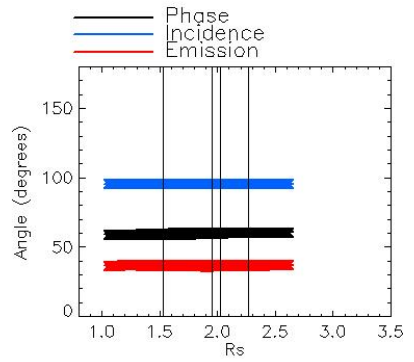
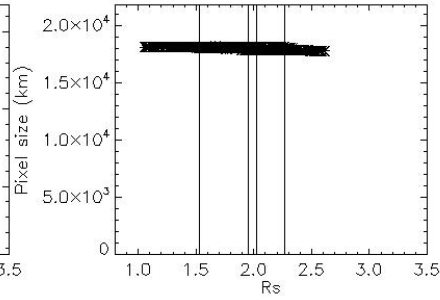
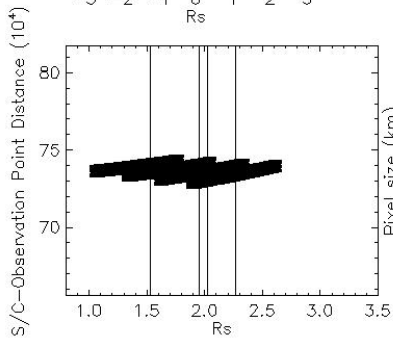


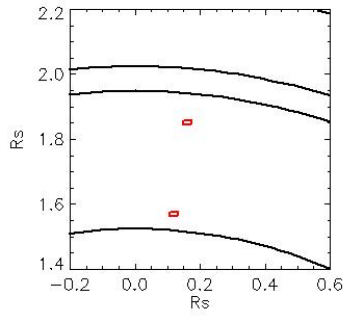
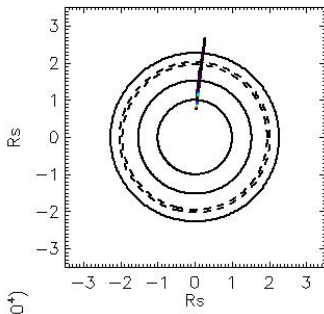
Observation Name:
UVS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_03_59_51

Observation Duration:
1200 S

Integration time = 300 S



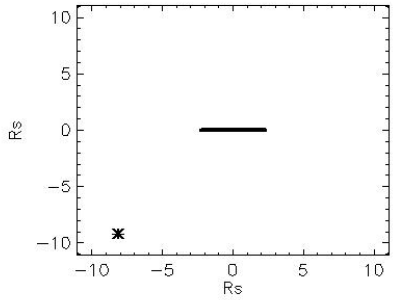
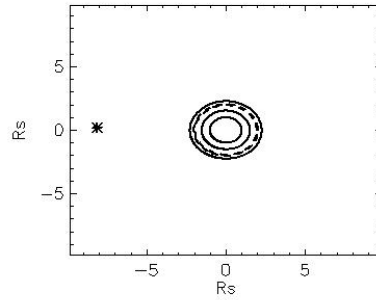
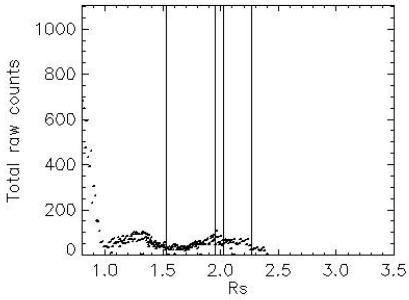
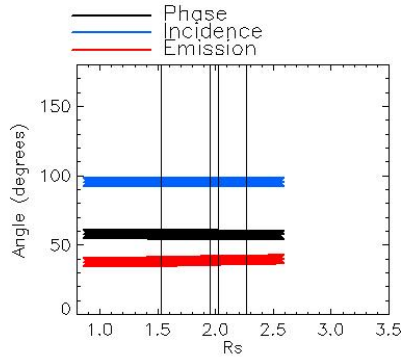
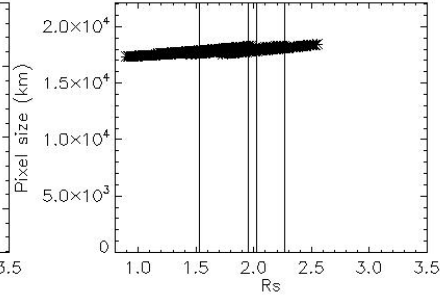
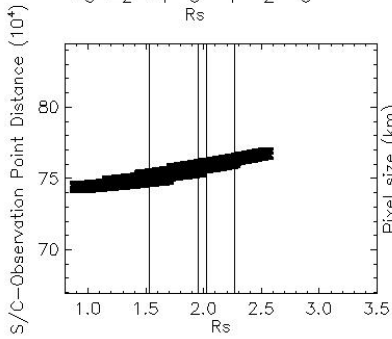


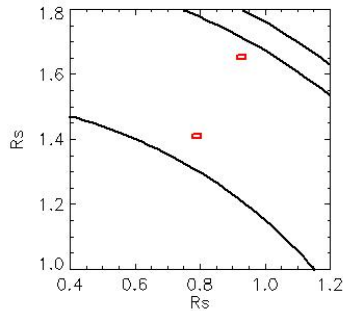
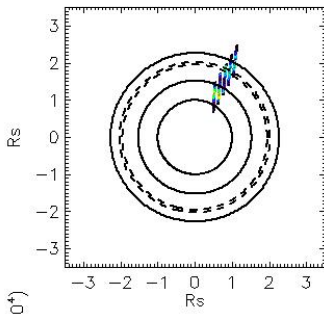
Observation Name:
UVS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_04_25_51

Observation Duration:
1200 S

Integration time = 300 S



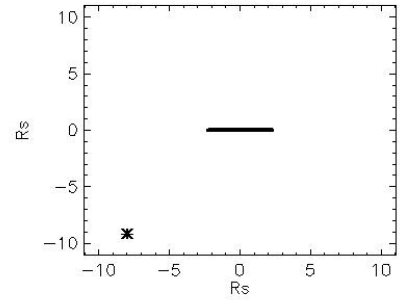
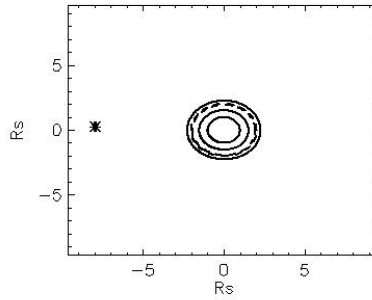
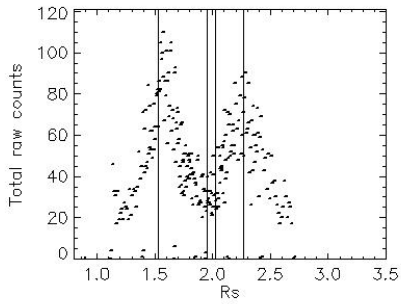
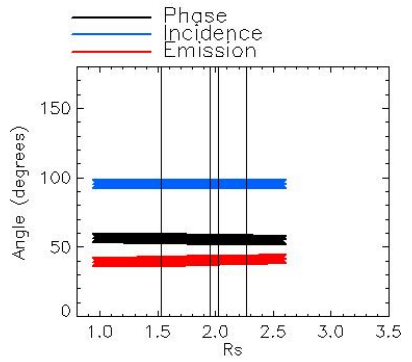
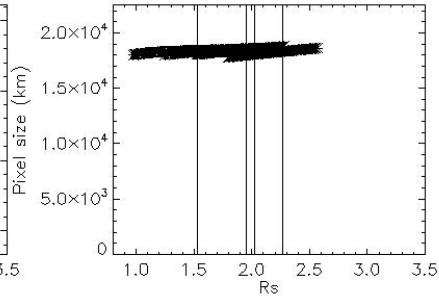
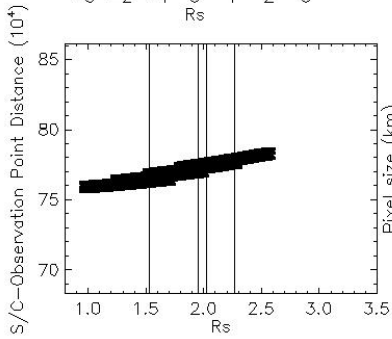


Observation Name:
UVIS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_04_51_51

Observation Duration:
1200 S

Integration time = 300 S

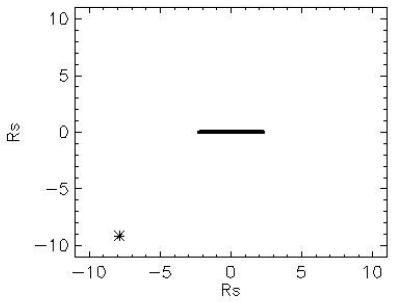
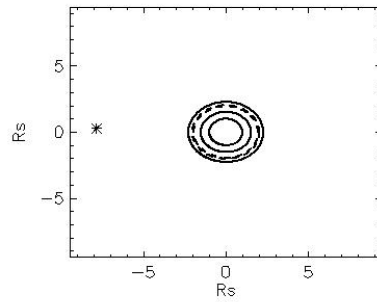
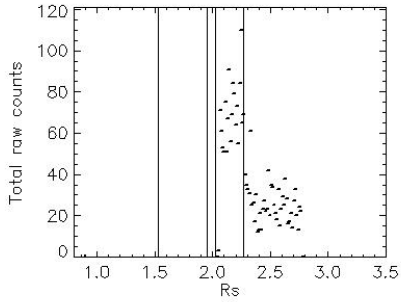
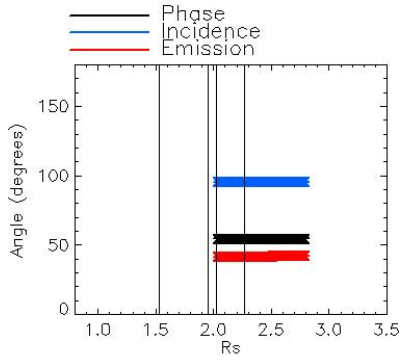
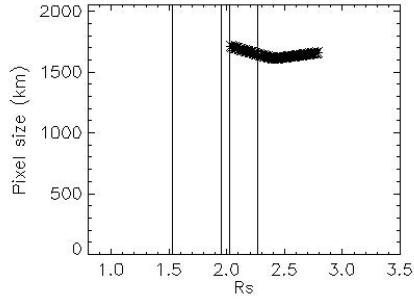
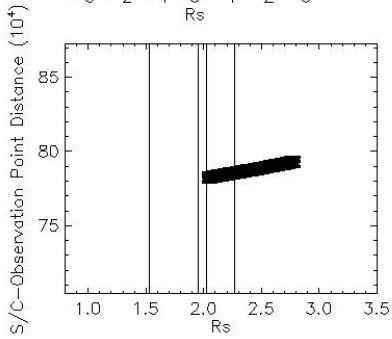
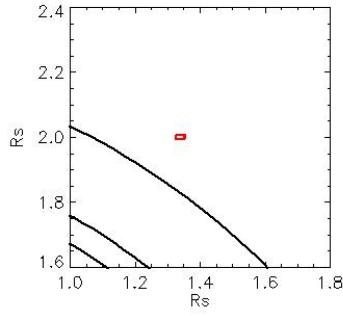
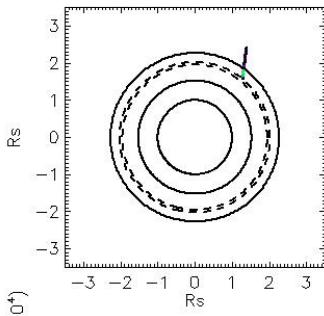


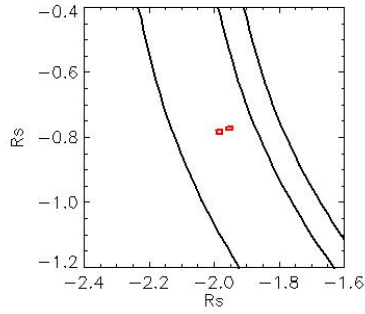
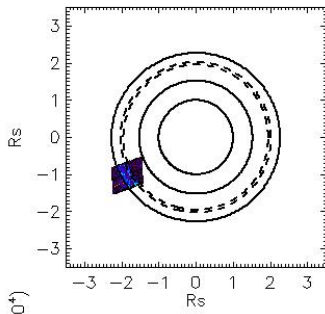
Observation Name:
UVS_081RLVTMPN60LP001_CIRS

Observation Date:
2008_231_05_16_51

Observation Duration:
300 S

Integration time = 300 S



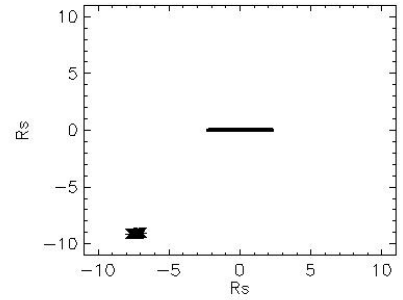
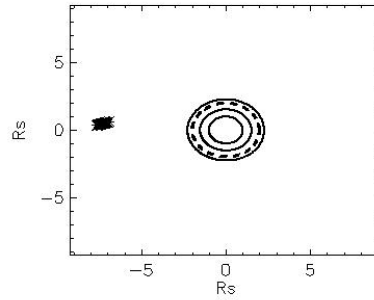
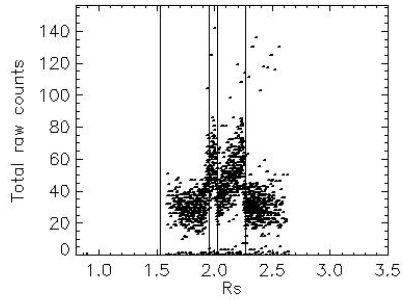
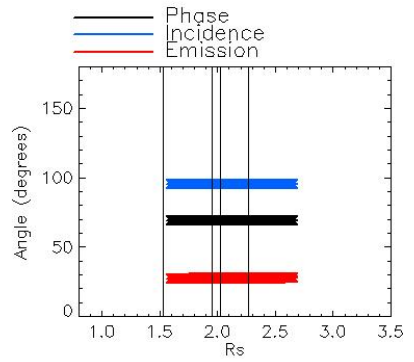
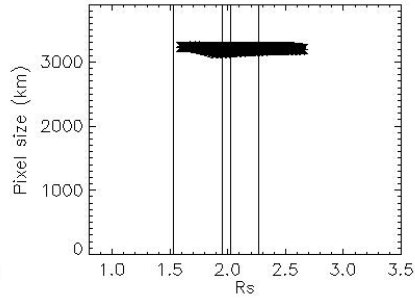
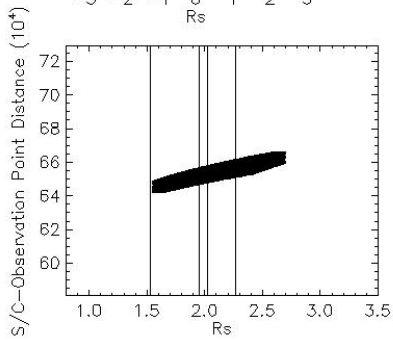


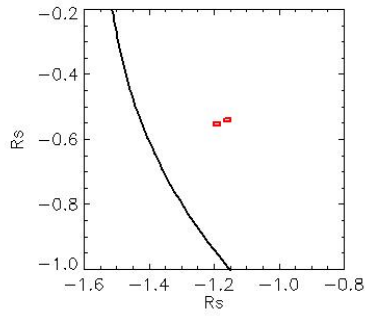
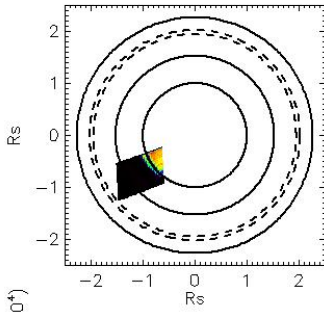
Observation Name:
UVIS_081RLGAMCRU001_VIMS

Observation Date:
2008_231_05_42_51

Observation Duration:
7200 S

Integration time = 300 S



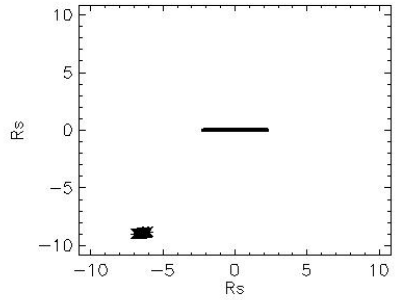
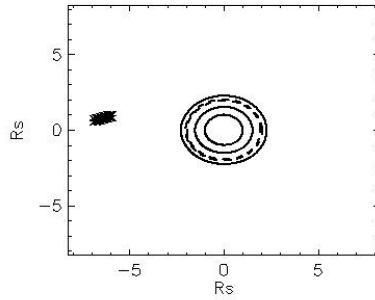
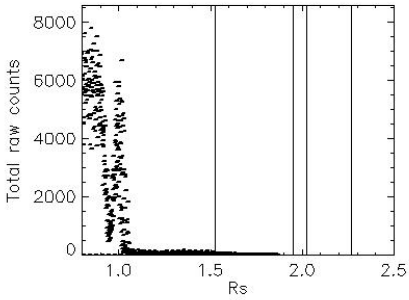
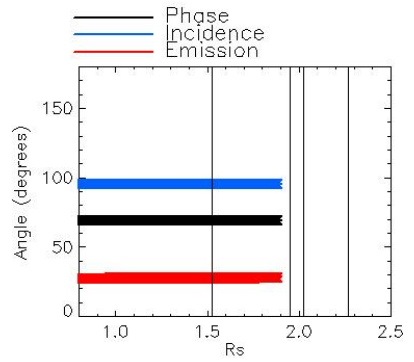
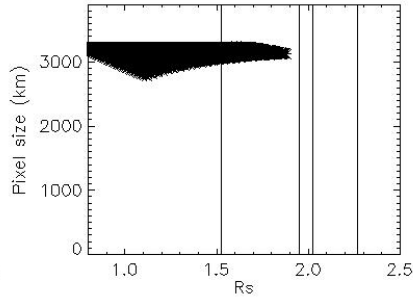
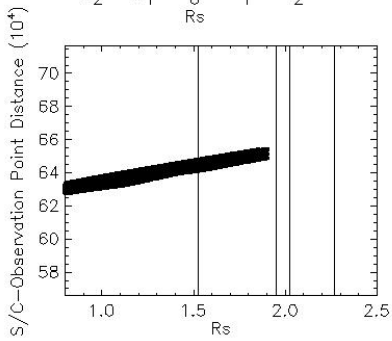


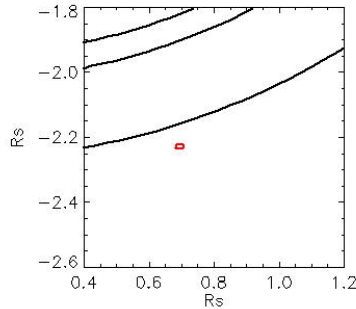
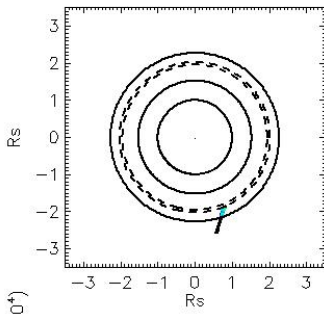
Observation Name:
UMS_081RLGAMCRU0001_VIMS

Observation Date:
2008_231_07_42_51

Observation Duration:
7800 S

Integration time = 300 S



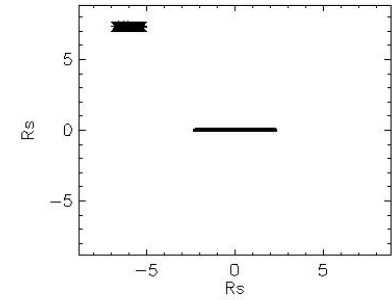
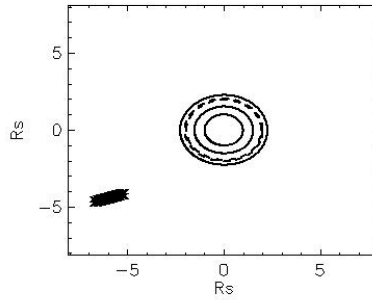
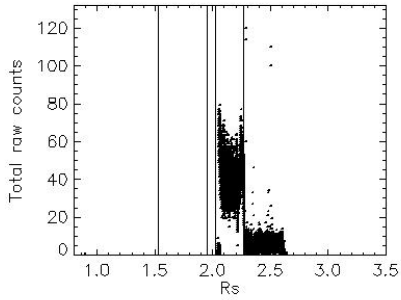
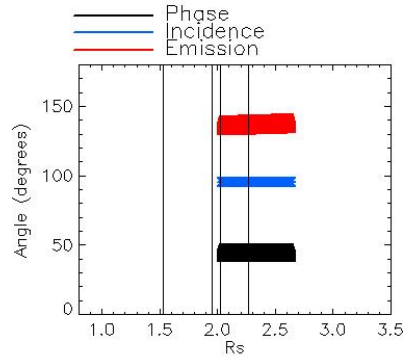
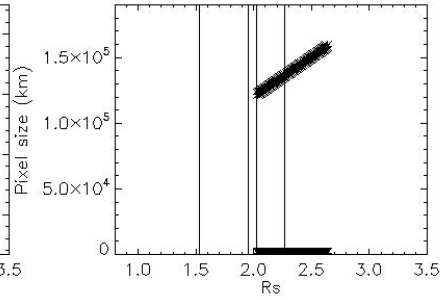
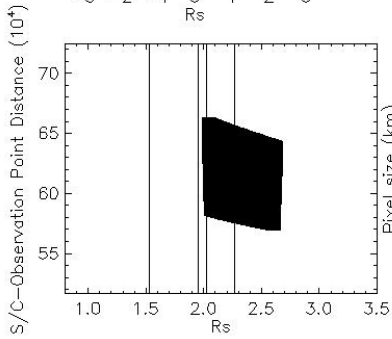


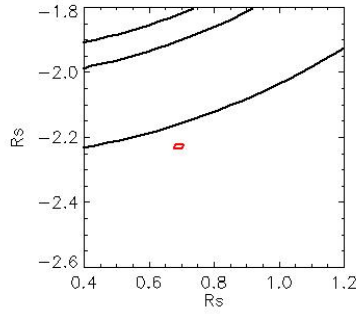
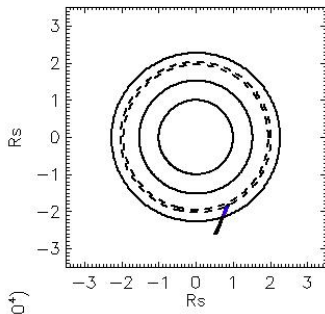
Observation Name:
UMS_081RLFM0VIE002_VIMS

Observation Date:
2008_233_00_36_51

Observation Duration:
12180 S

Integration time = 60 S



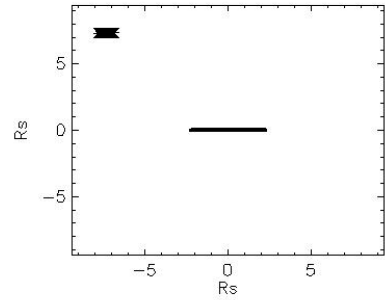
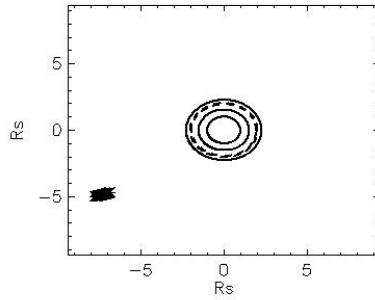
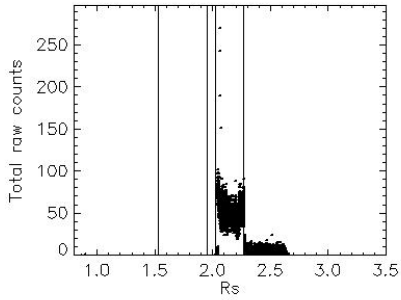
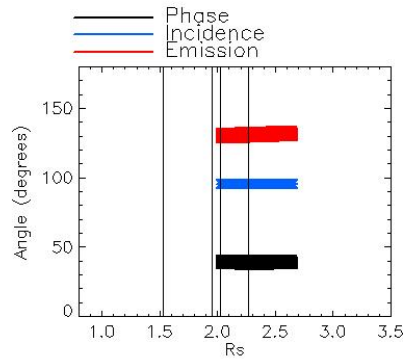
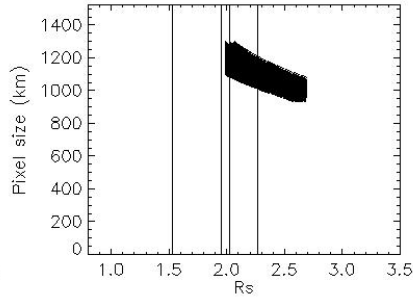
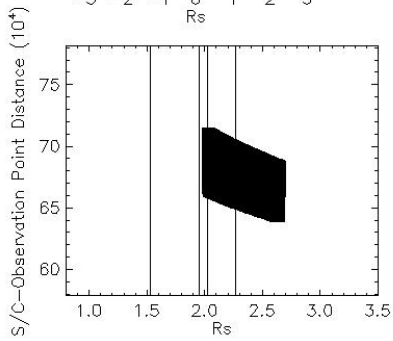


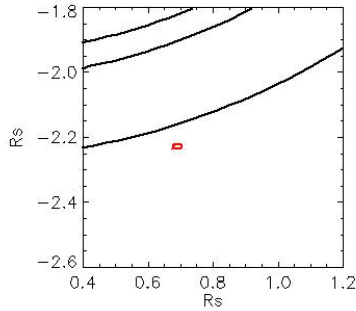
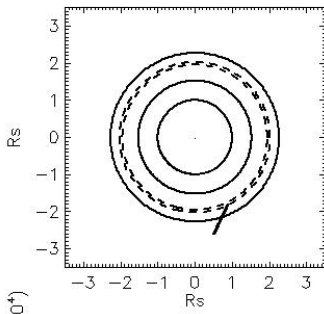
Observation Name:
UVS_081RLFM0VIE002_VIMS

Observation Date:
2008_233_04_12_51

Observation Duration:
8400 S

Integration time = 60 S



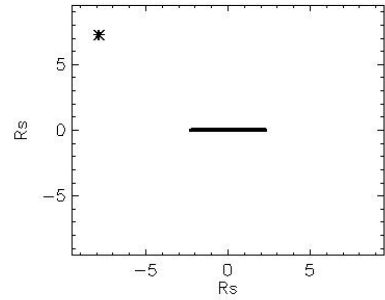
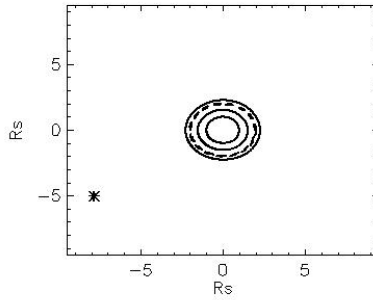
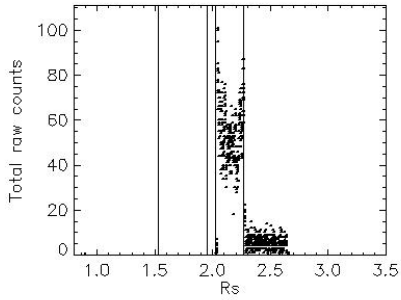
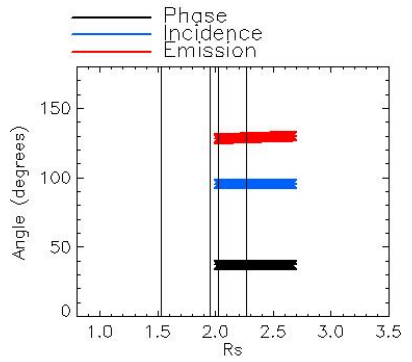
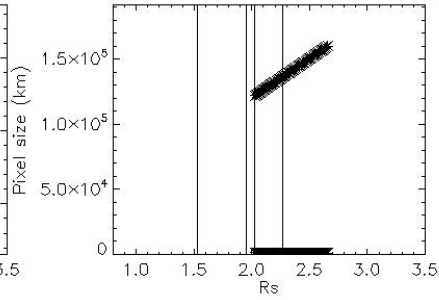
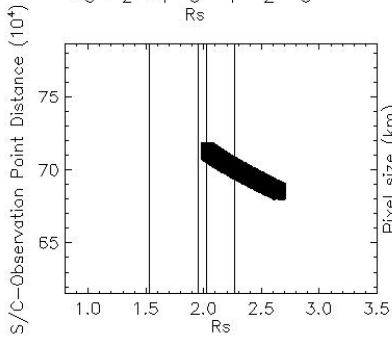


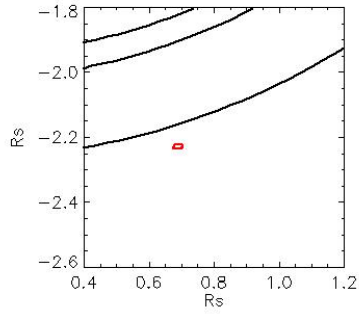
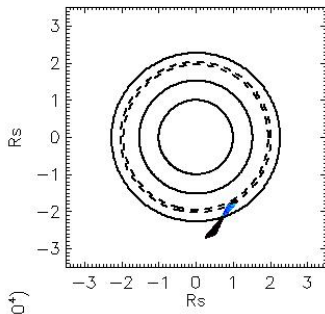
Observation Name:
UMS_081RLFM0VIE002_VIMS

Observation Date:
2008_233_06_32_51

Observation Duration:
840 S

Integration time = 60 S



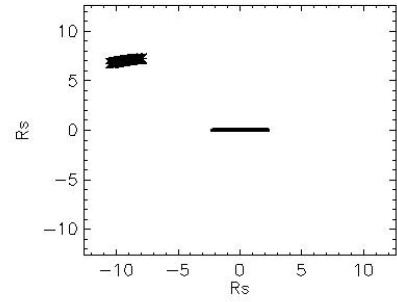
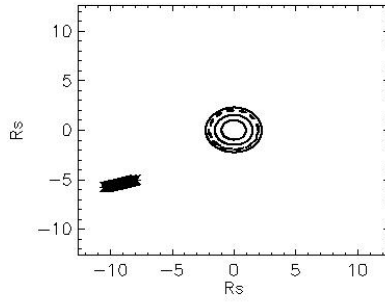
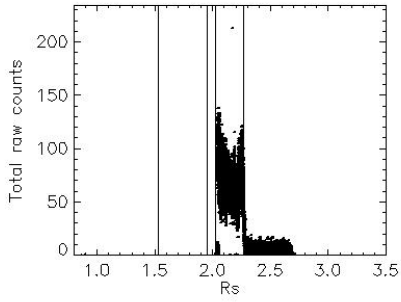
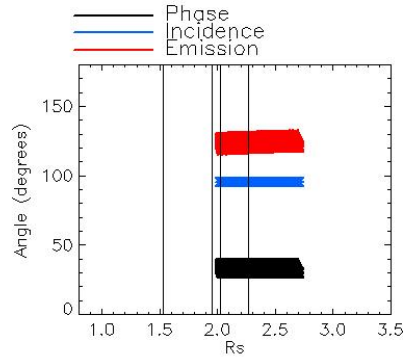
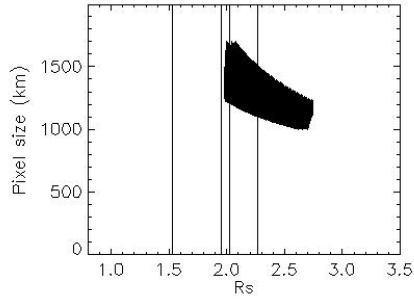
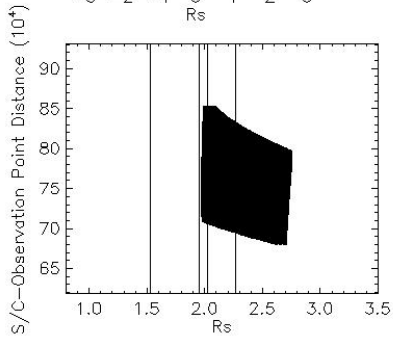


Observation Name:
UMS_081RLFM0VIE002_VIMS

Observation Date:
2008_233_06_46_51

Observation Duration:
25260 S

Integration time = 60 S

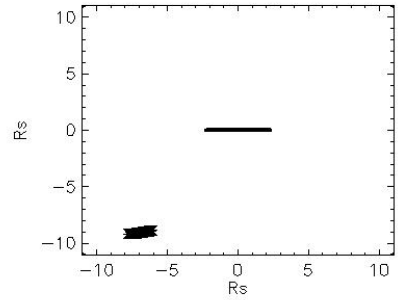
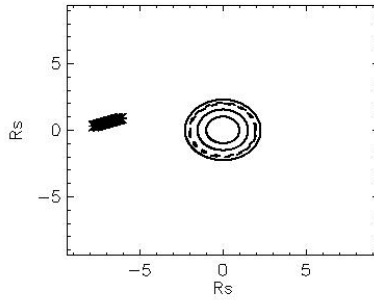
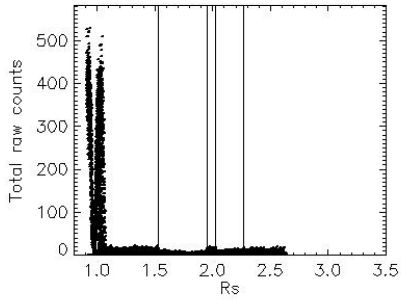
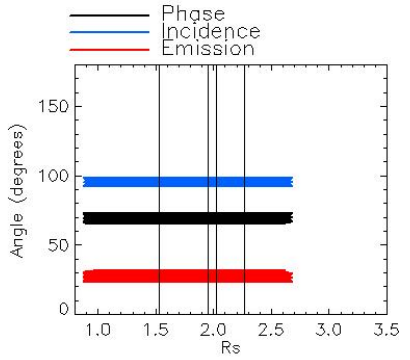
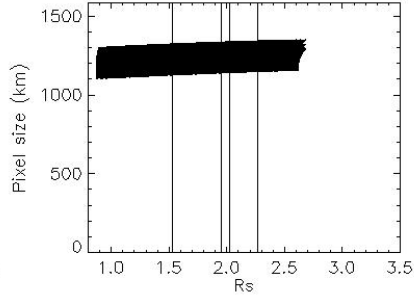
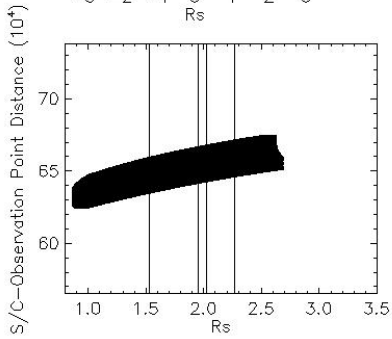
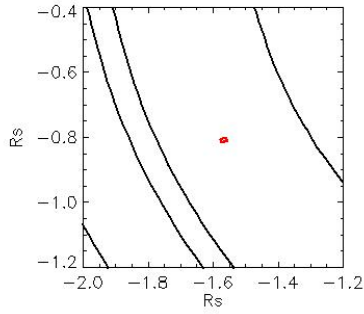
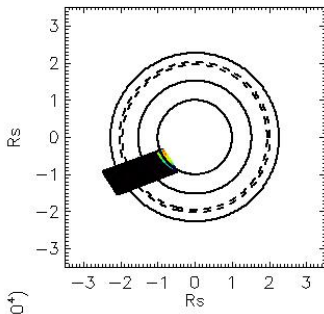


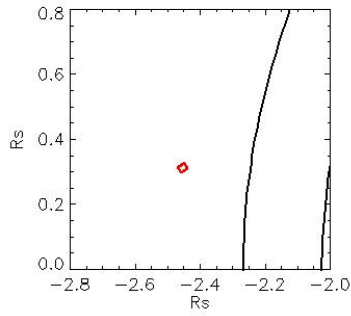
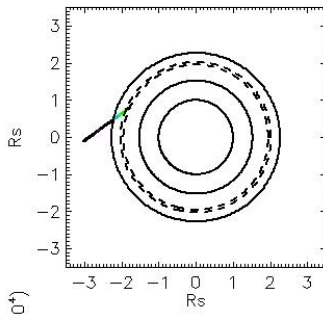
Observation Name:
UMS_082RLGAMCRU001_VIMS

Observation Date:
2008_238_14_03_09

Observation Duration:
15220 S

Integration time = 20 S



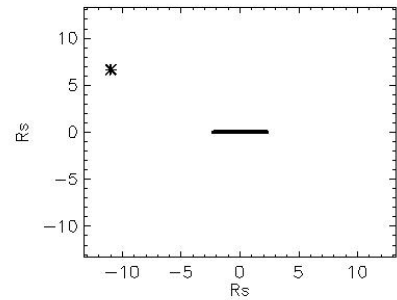
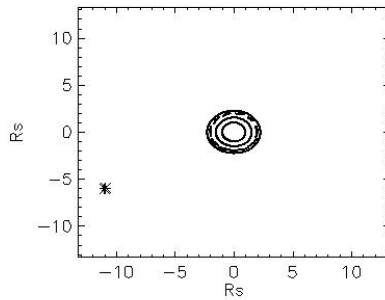
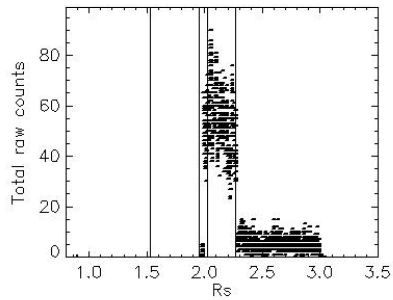
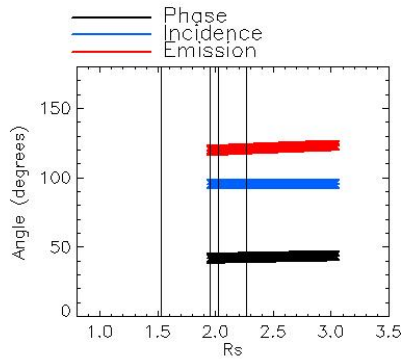
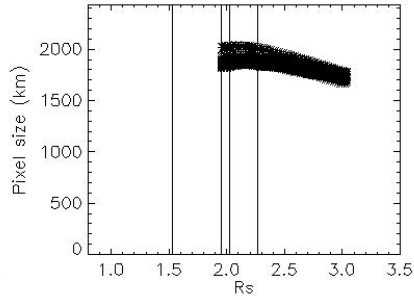
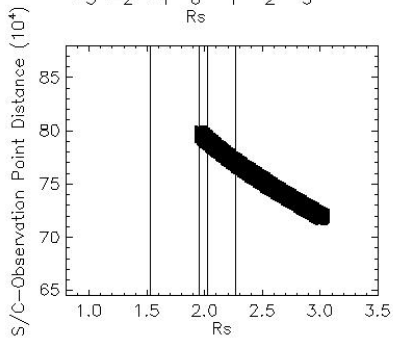


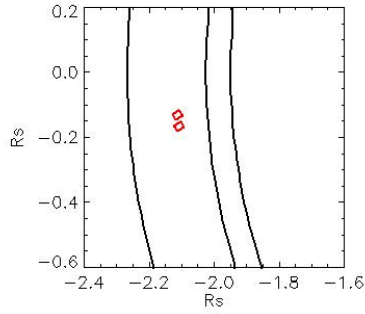
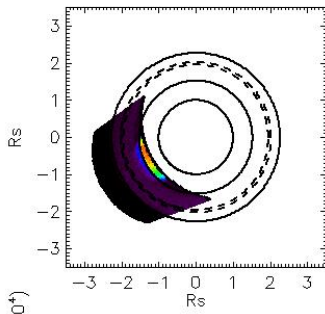
Observation Name:
UMS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_00_04_51

Observation Duration:
1500 S

Integration time = 60 S



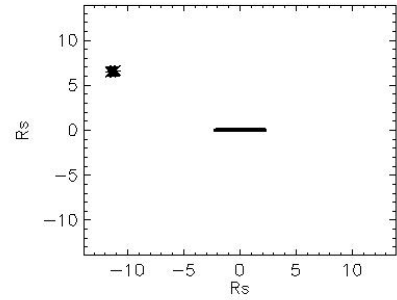
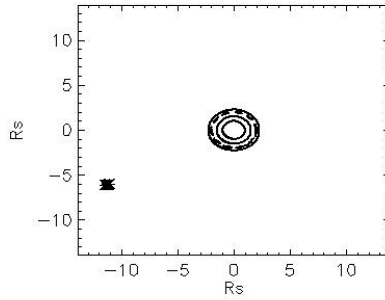
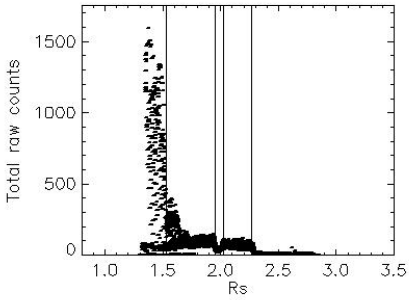
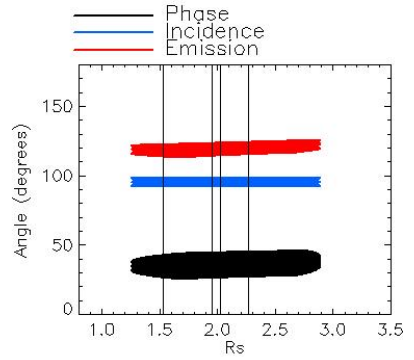
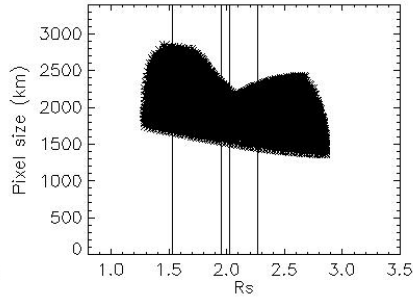
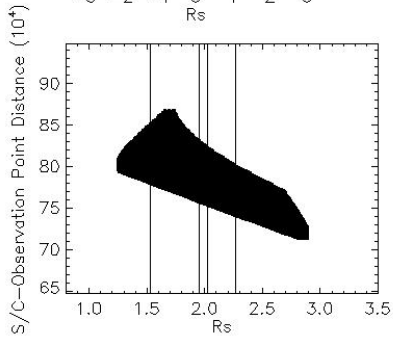


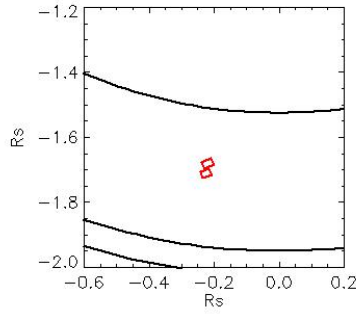
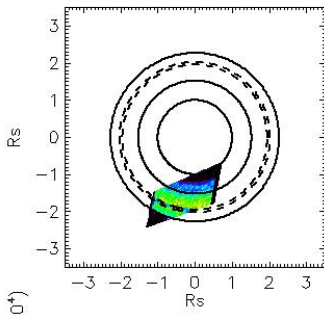
Observation Name:
UVIS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_00_34_51

Observation Duration:
5460 S

Integration time = 60 S



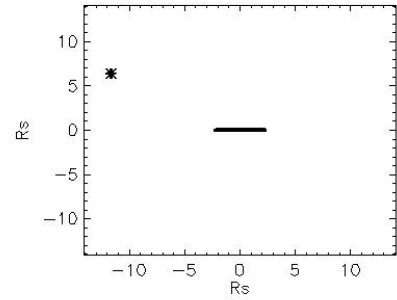
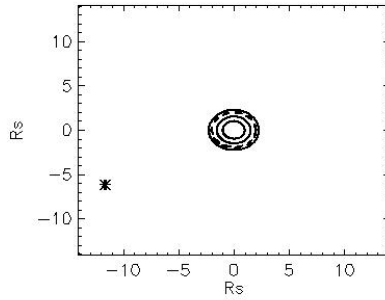
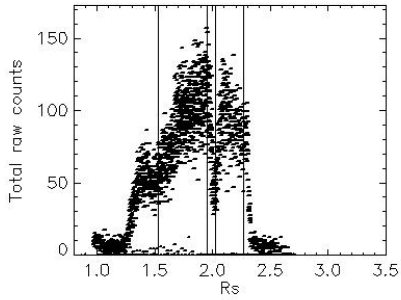
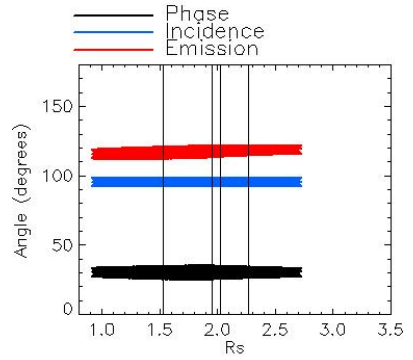
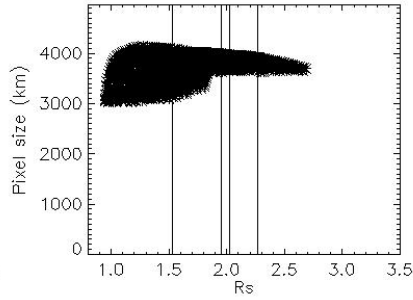
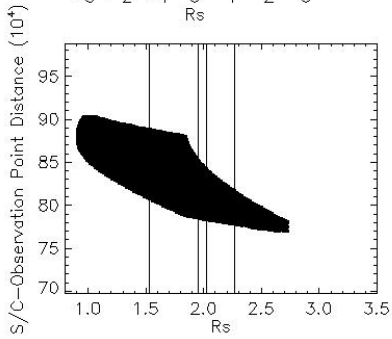


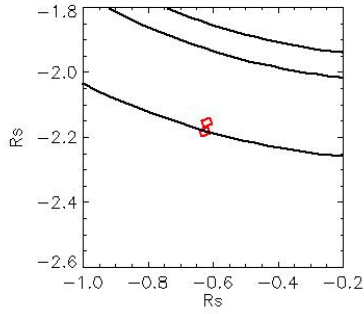
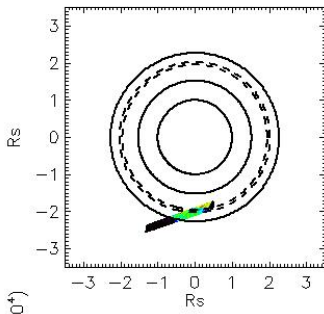
Observation Name:
UVIS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_02_11_51

Observation Duration:
1800 S

Integration time = 60 S



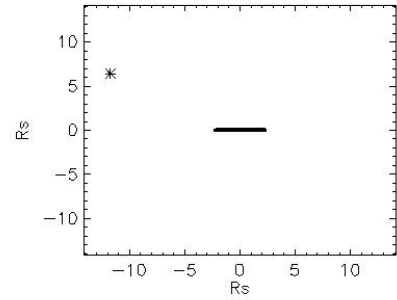
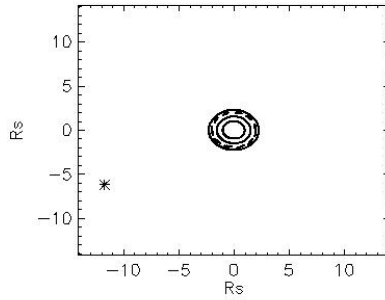
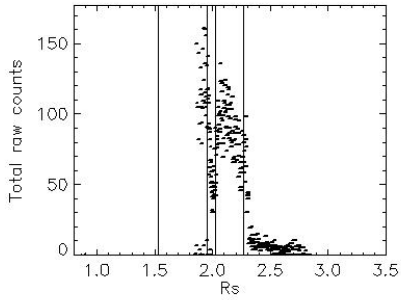
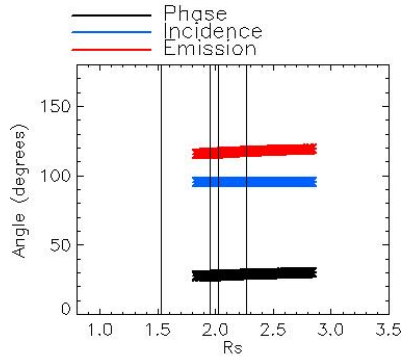
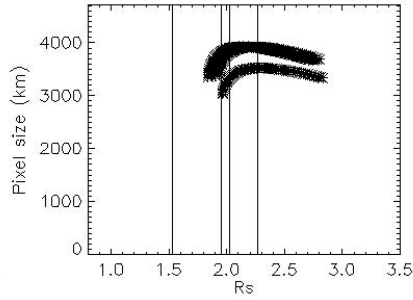
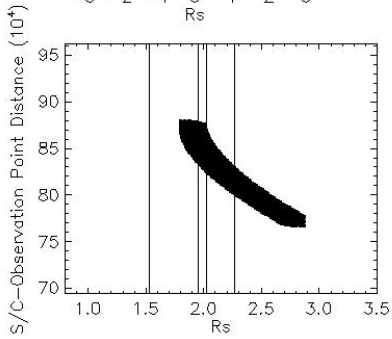


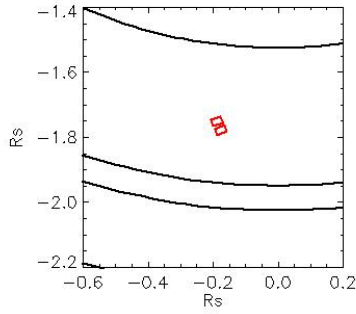
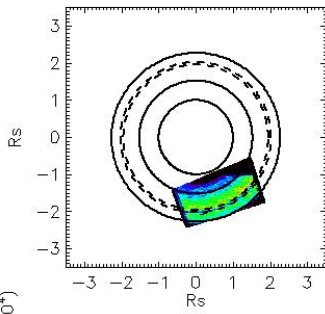
Observation Name:
UMS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_02_41_51

Observation Duration:
300 S

Integration time = 60 S



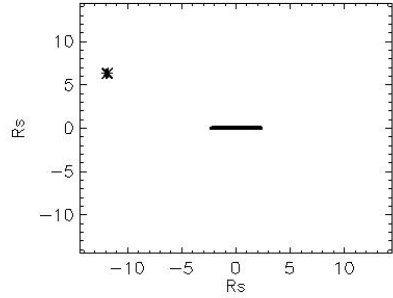
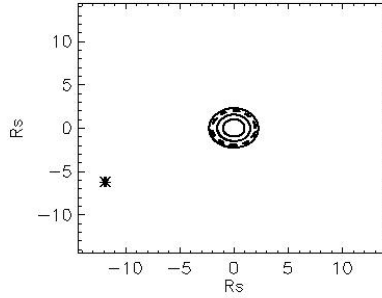
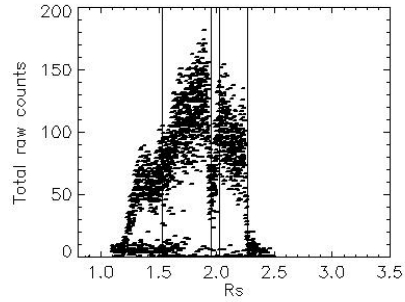
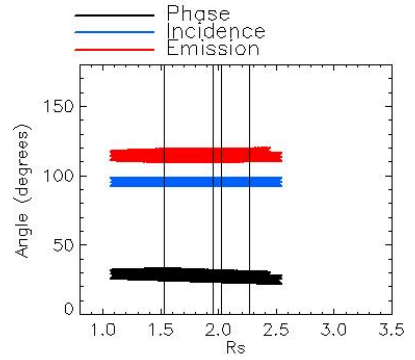
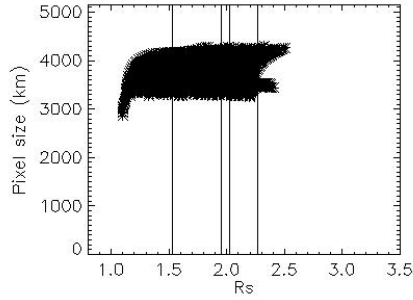
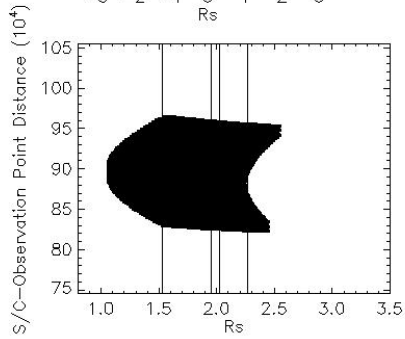


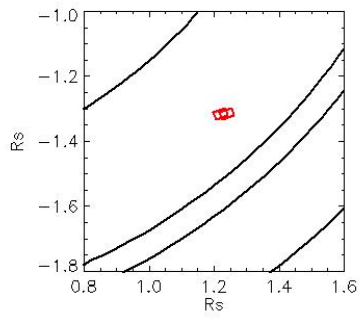
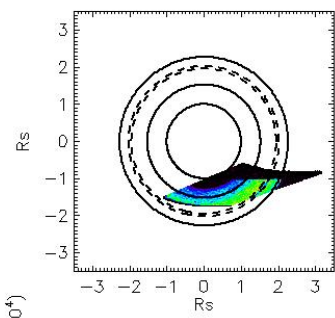
Observation Name:
UVIS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_02_52_51

Observation Duration:
2100 S

Integration time = 60 S





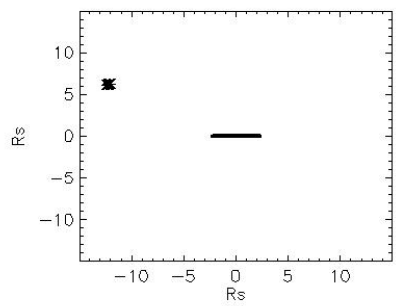
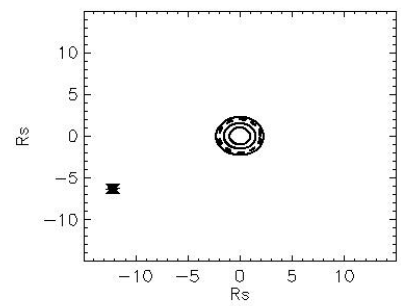
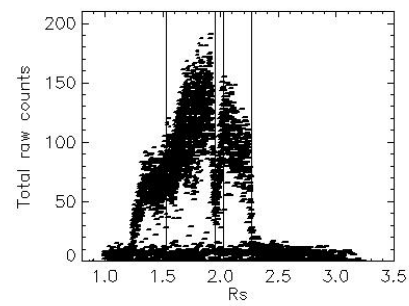
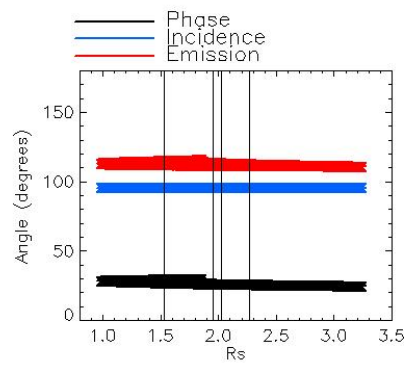
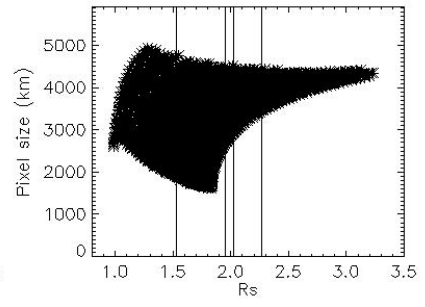
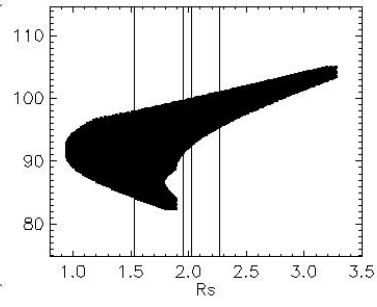
Observation Name:
UVIS_082RLTEMPS20LP001_CIRS

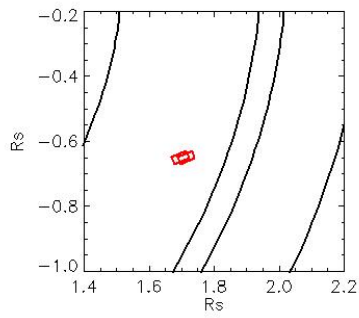
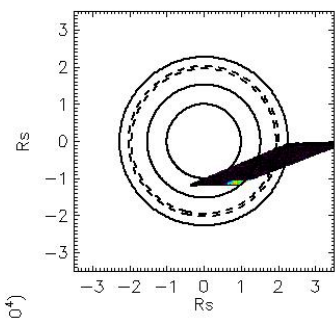
Observation Date:
2008_241_03_33_51

Observation Duration:
5280 S

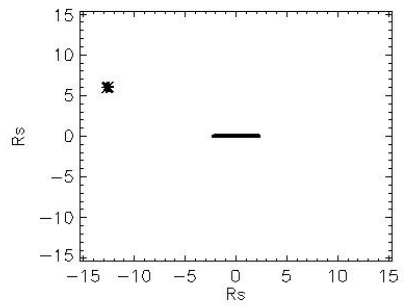
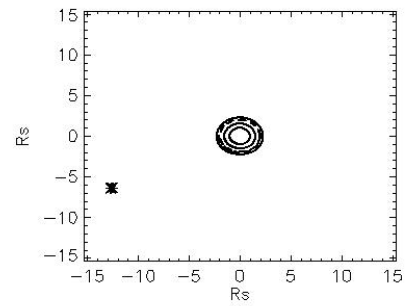
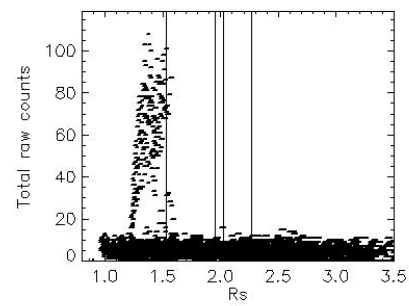
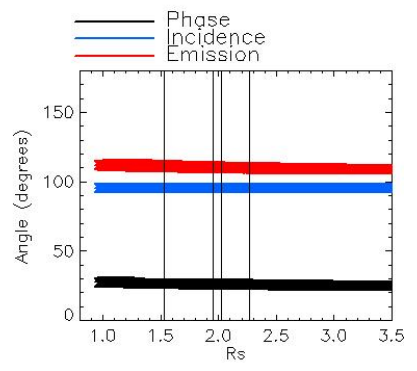
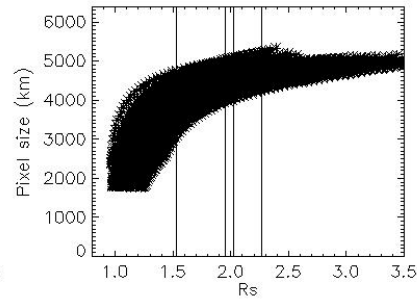
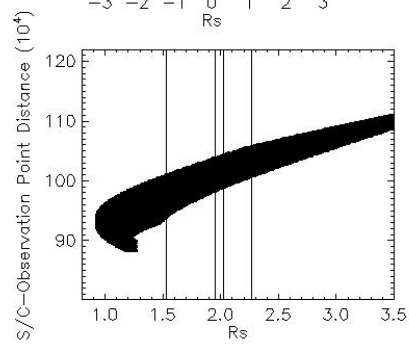
Integration time = 60 S

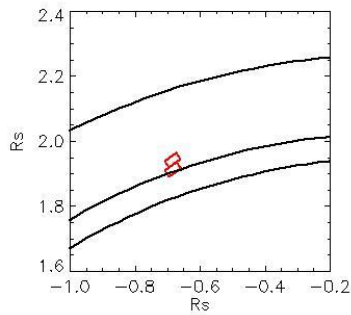
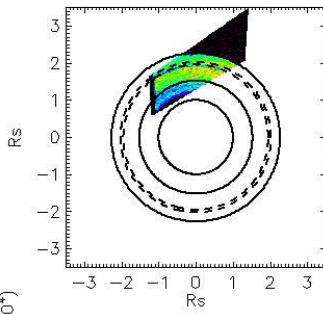
S/C—Observation Point Distance (10^4)





Observation Name:
 UVS_082RLTEMPS20LP001_CIRS
 Observation Date:
 2008_241_05_07_51
 Observation Duration:
 3840 S
 Integration time = 60 S



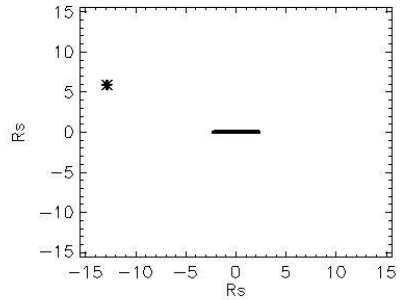
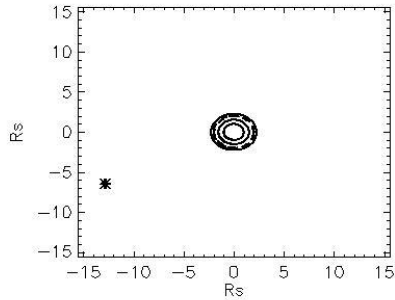
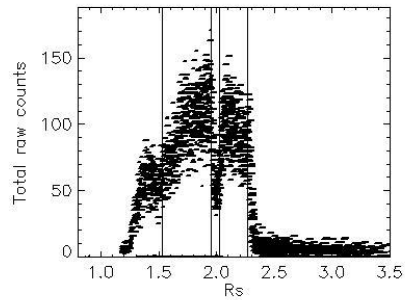
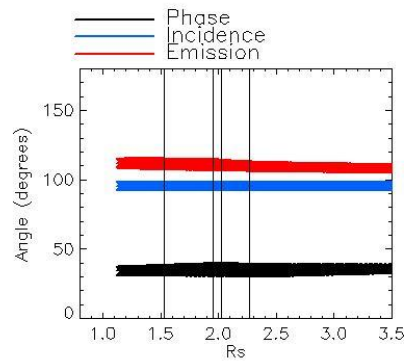
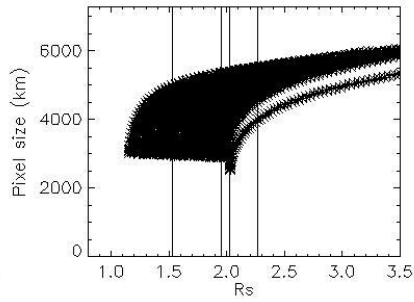
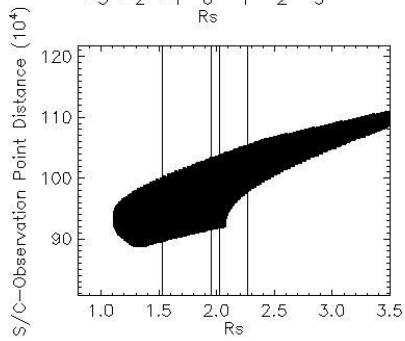


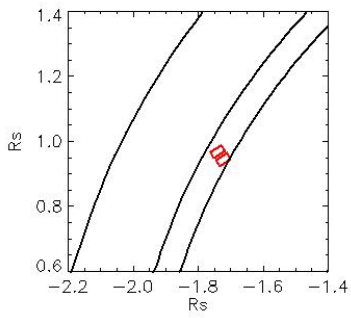
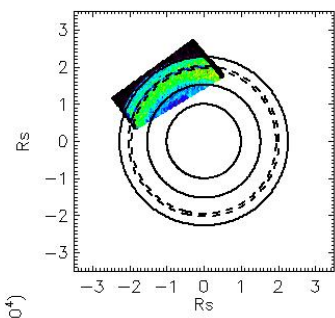
Observation Name:
UVIS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_06_17_51

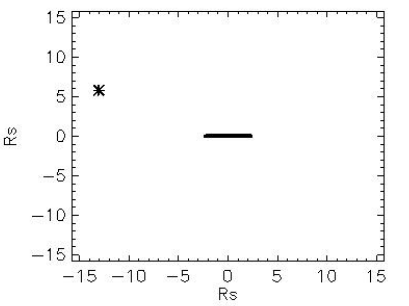
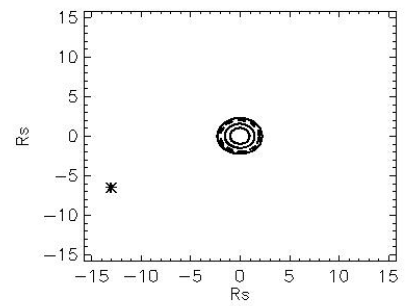
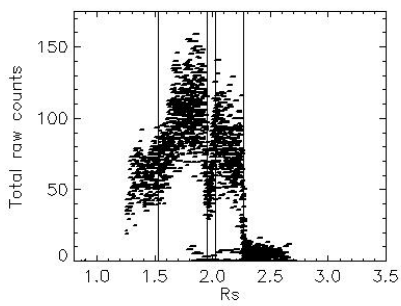
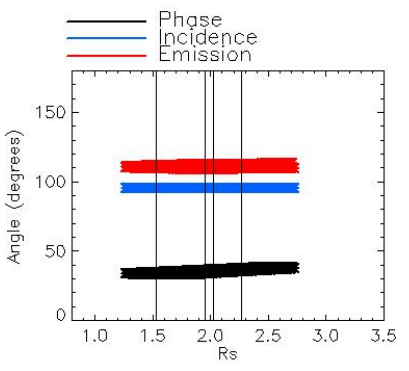
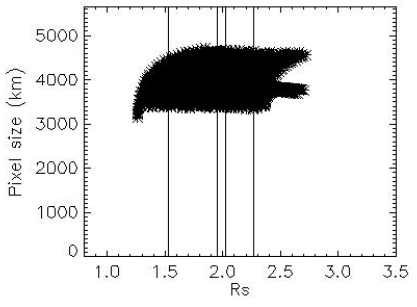
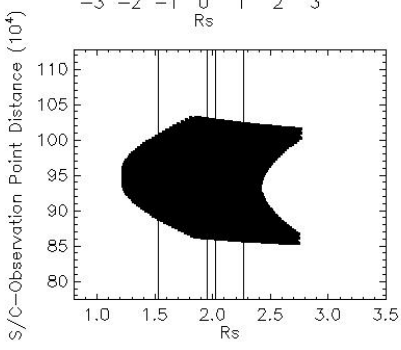
Observation Duration:
2100 S

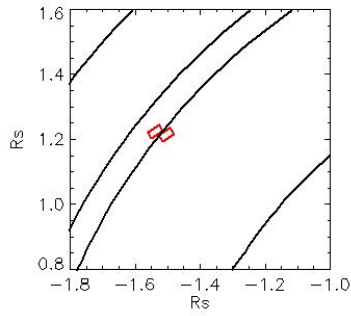
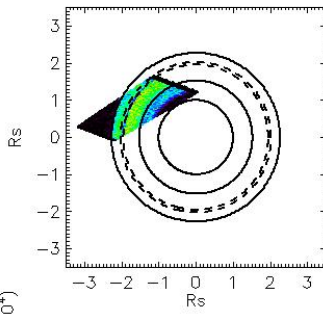
Integration time = 60 S





Observation Name:
 UVS_082RLTEMPS20LP001_CIRS
 Observation Date:
 2008_241_06_58_51
 Observation Duration:
 2100 S
 Integration time = 60 S





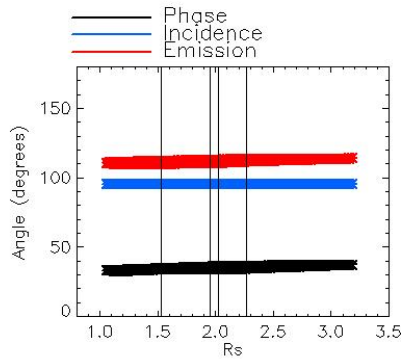
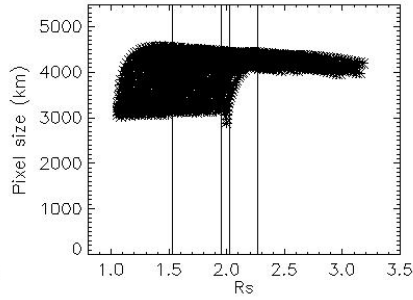
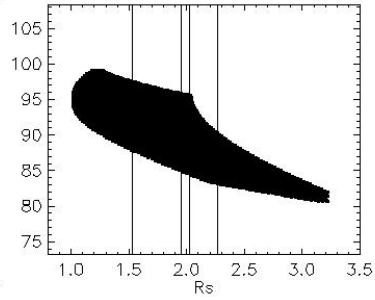
Observation Name:
UVIS_082RLTEMPS20LP001_CIRS

Observation Date:
2008_241_07_39_51

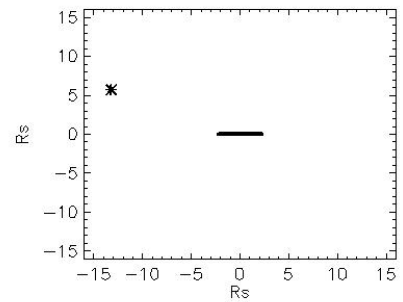
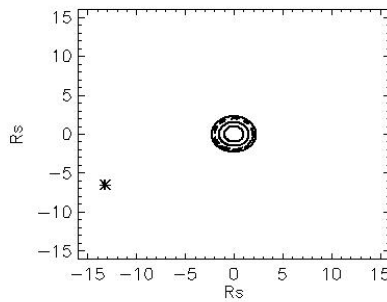
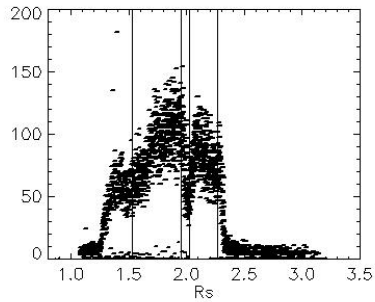
Observation Duration:
2100 S

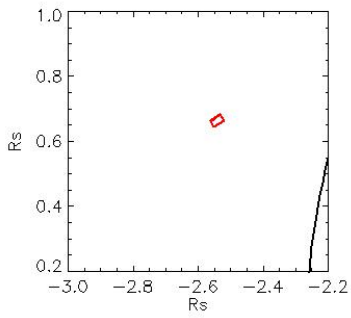
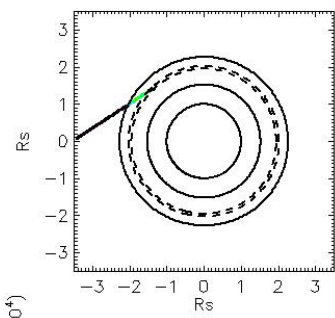
Integration time = 60 S

S/C—Observation Point Distance (10^4)



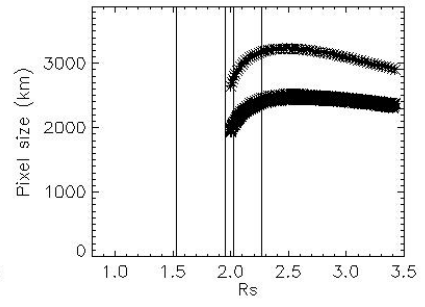
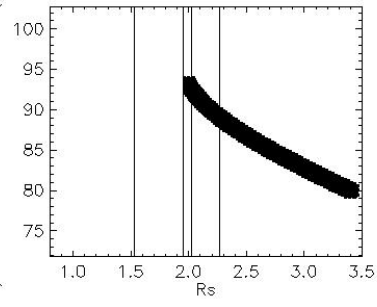
Total raw counts



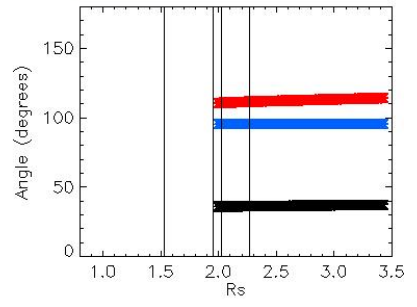


Observation Name:
 UVS_082RLTEMPS20LP001_CIRS
 Observation Date:
 2008_241_08_19_51
 Observation Duration:
 1500 S
 Integration time = 60 S

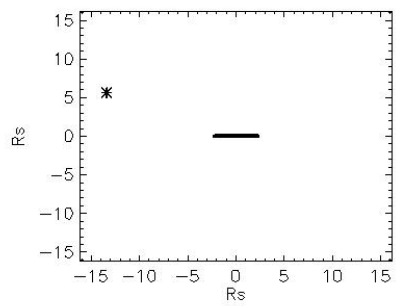
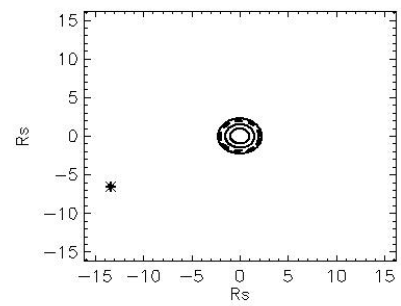
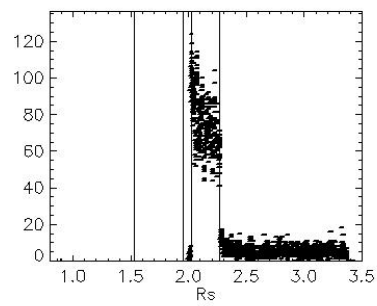
S/C—Observation Point Distance (10^4)

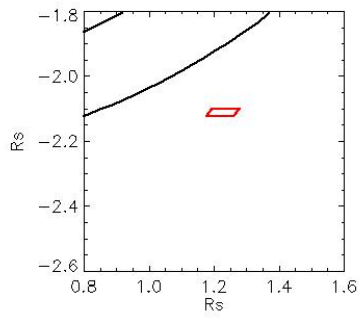
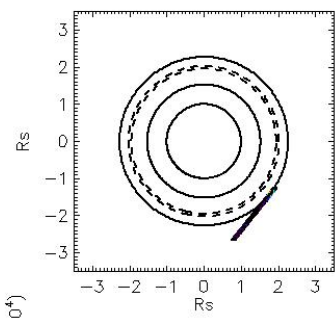


— Phase
 — Incidence
 — Emission



Total raw counts





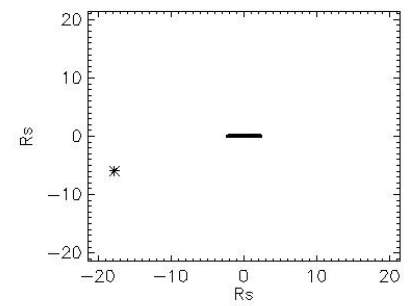
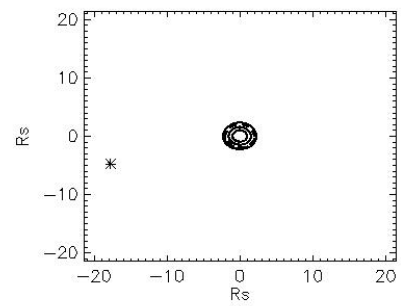
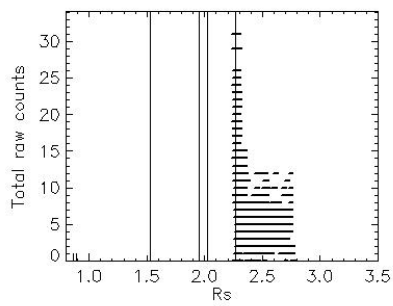
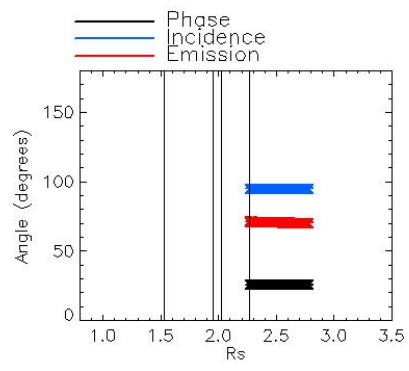
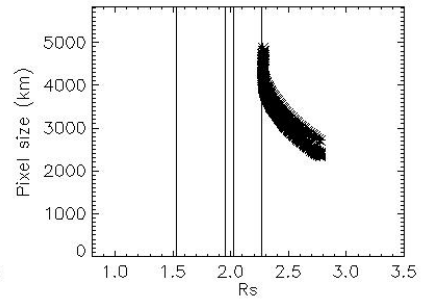
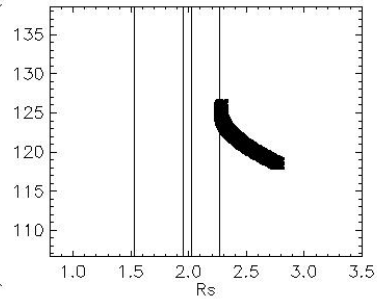
Observation Name:
UVIS_085RLTMAP20LP001_CIRS

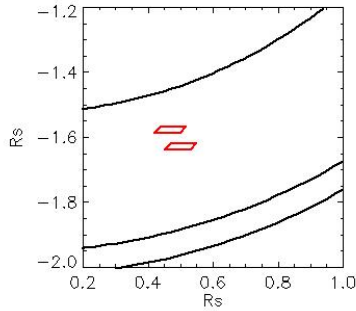
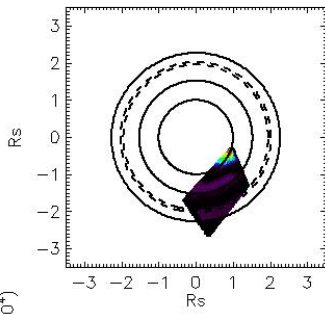
Observation Date:
2008_258_23_01_51

Observation Duration:
780 S

Integration time = 60 S

S/C-Observation Point Distance (10^4)



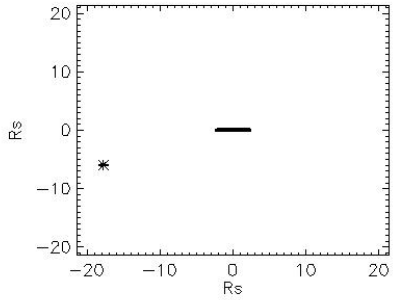
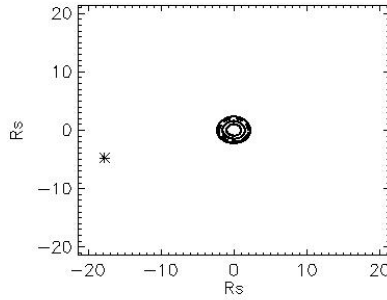
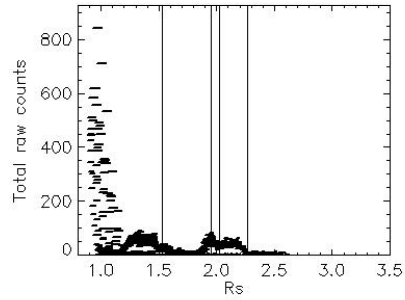
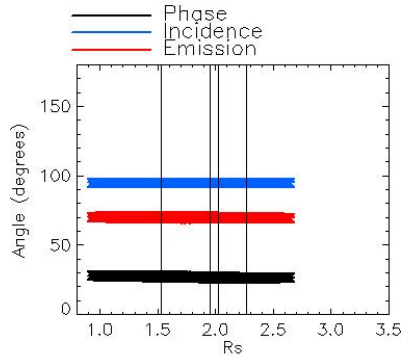
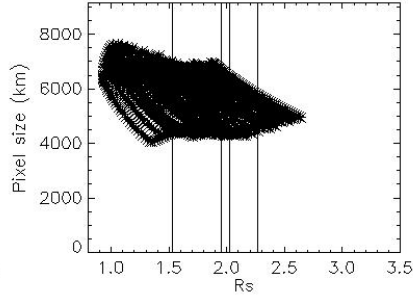
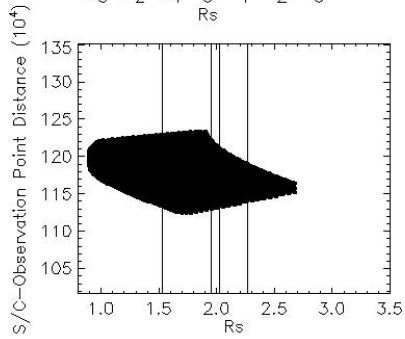


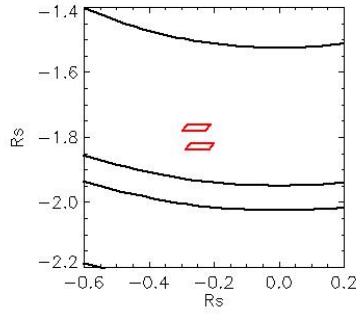
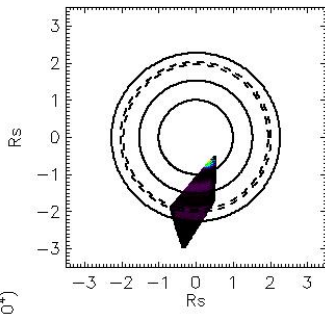
Observation Name:
UVIS_085RLTMAP20LP001_CIRS

Observation Date:
2008_258_23_19_51

Observation Duration:
1140 S

Integration time = 60 S



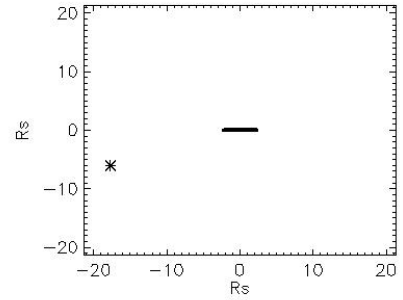
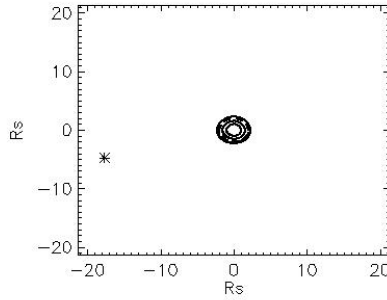
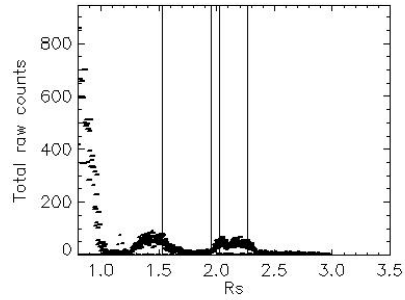
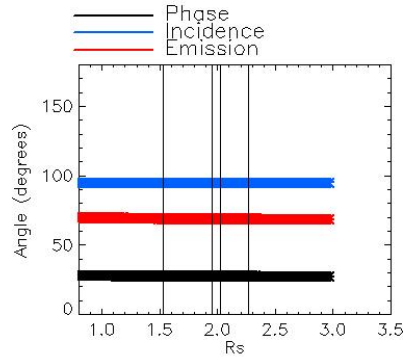
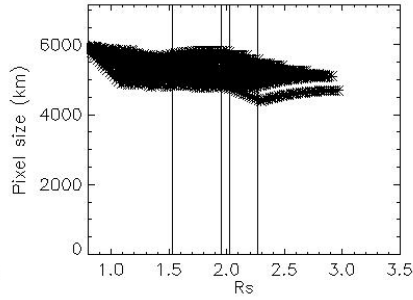
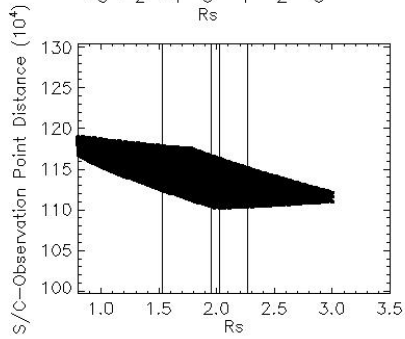


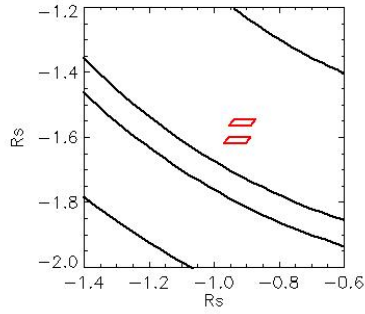
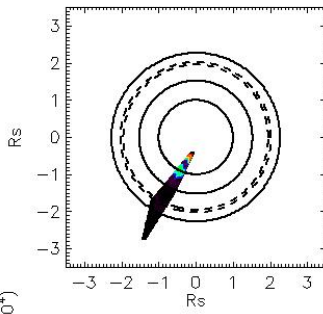
Observation Name:
UVIS_085RLTMAP20LP001_CIRS

Observation Date:
2008_258_23_44_51

Observation Duration:
1140 S

Integration time = 60 S



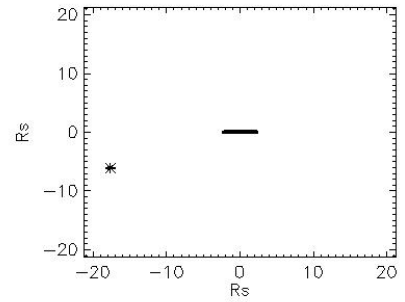
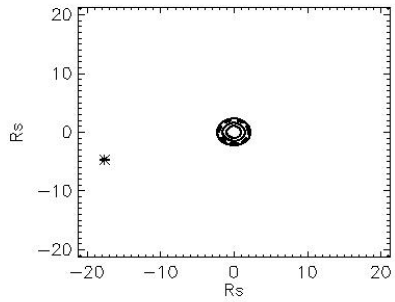
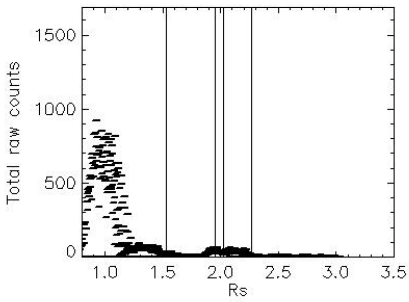
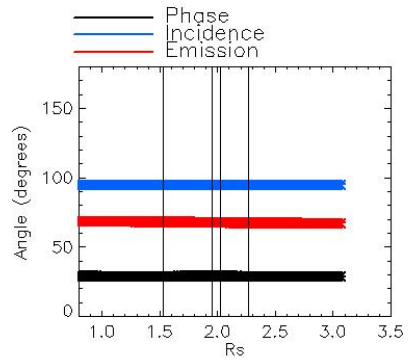
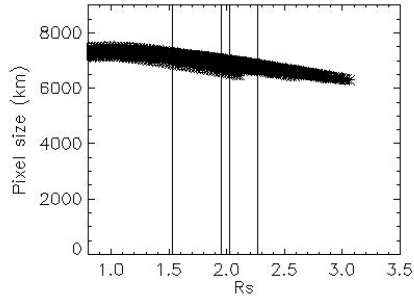
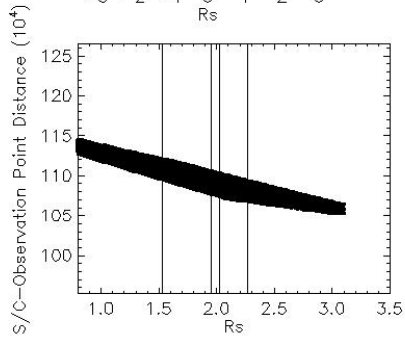


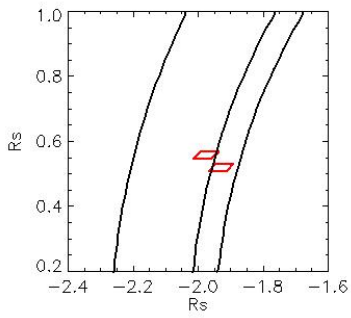
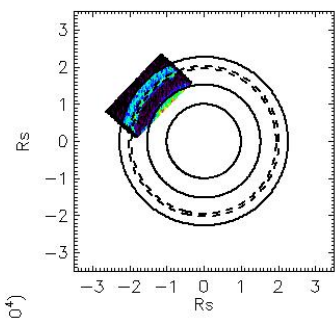
Observation Name:
UVIS_085RLTMAP20LP001_CIRS

Observation Date:
2008_259_00_09_51

Observation Duration:
1140 S

Integration time = 60 S



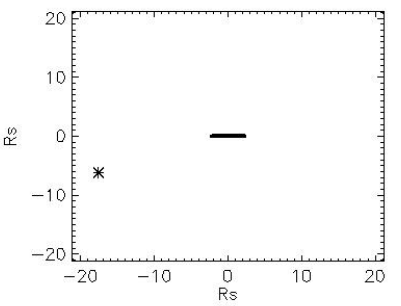
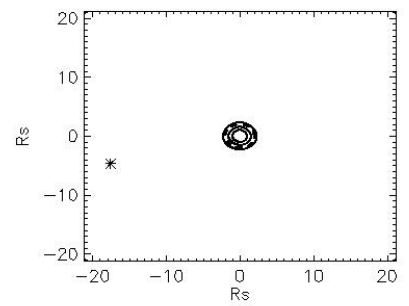
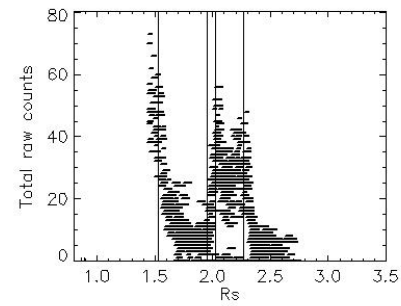
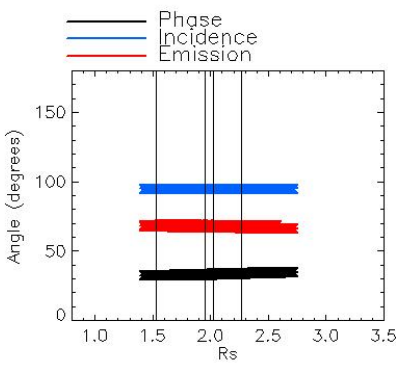
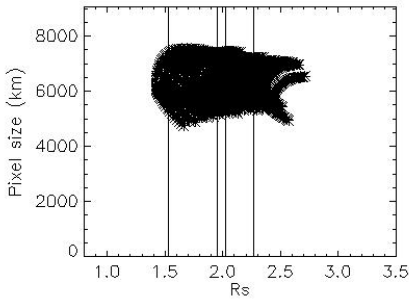
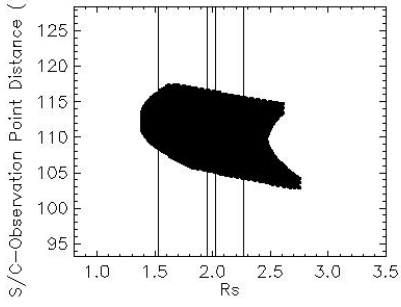


Observation Name:
UVIS_085RLTMAP20LP001_CIRS

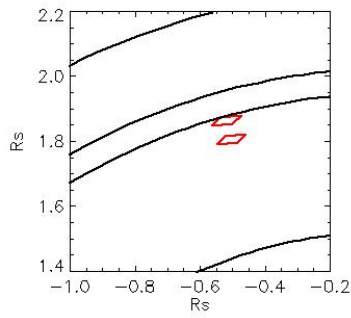
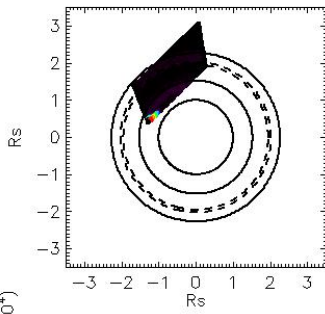
Observation Date:
2008_259_00_35_51

Observation Duration:
1080 S

Integration time = 60 S



— Phase
— Incidence
— Emission



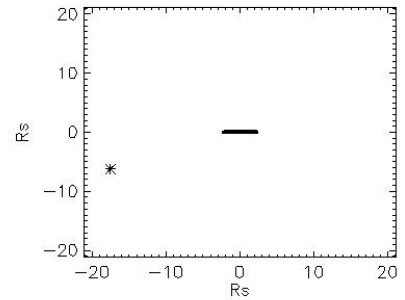
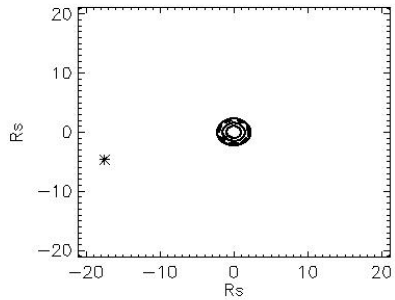
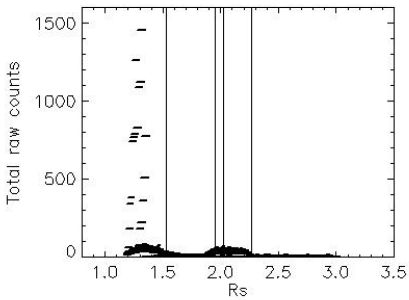
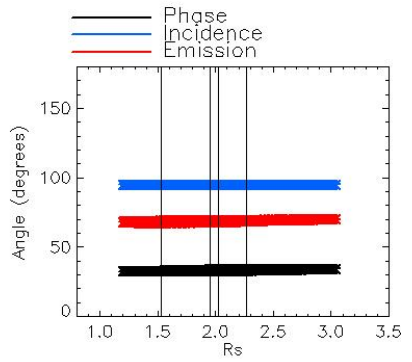
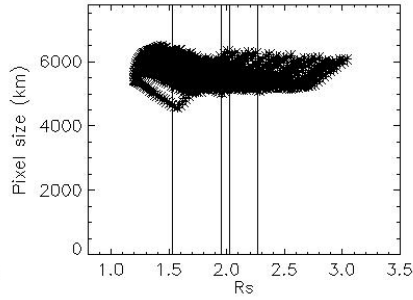
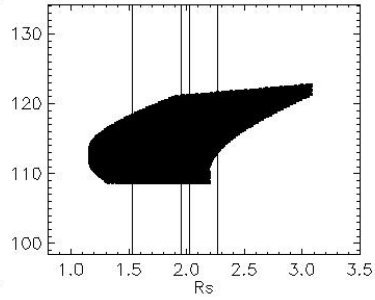
Observation Name:
UVIS_085RLTMAP20LP001_CIRS

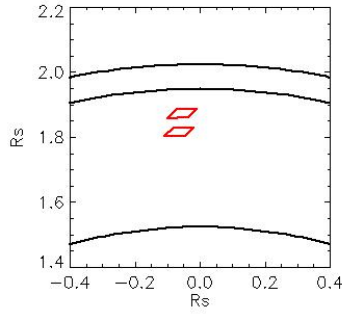
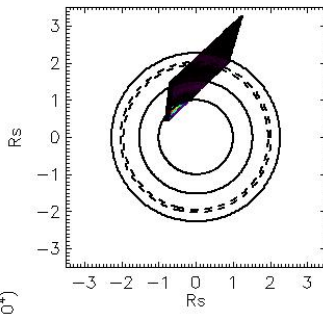
Observation Date:
2008_259_00_59_51

Observation Duration:
1140 S

Integration time = 60 S

S/C—Observation Point Distance (10^4)



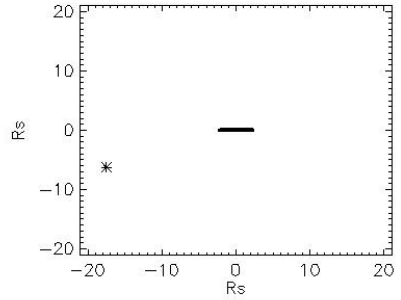
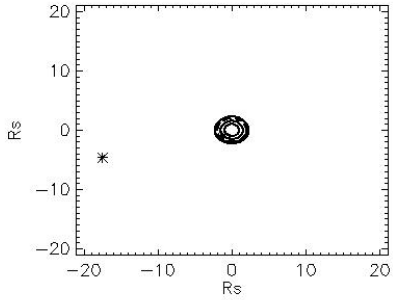
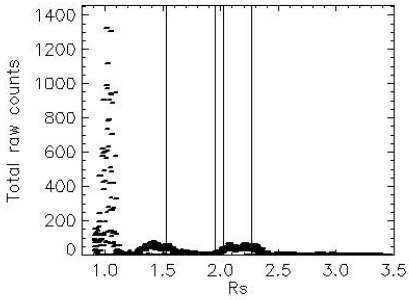
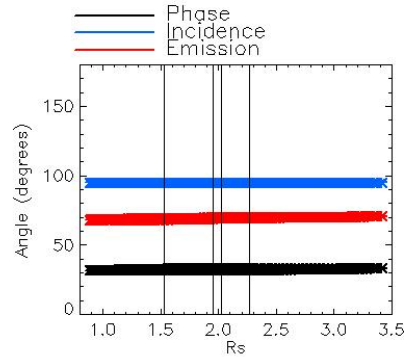
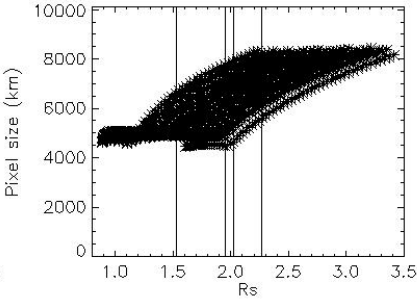
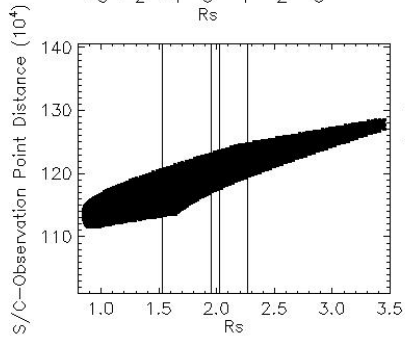


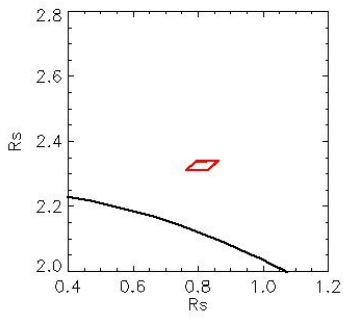
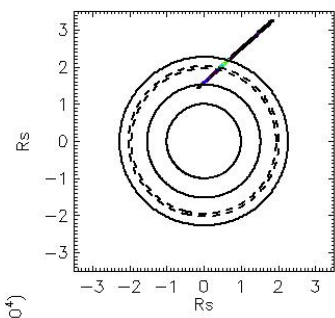
Observation Name:
UVIS_085RLTMAP20LP001_CIRS

Observation Date:
2008_259_01_24_51

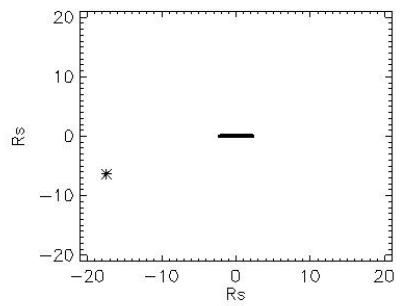
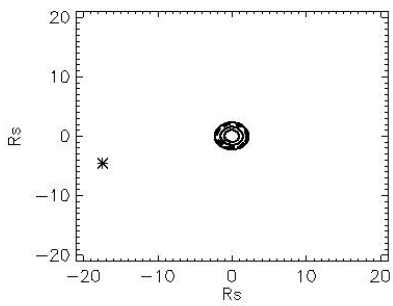
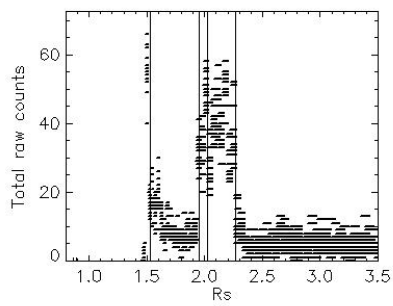
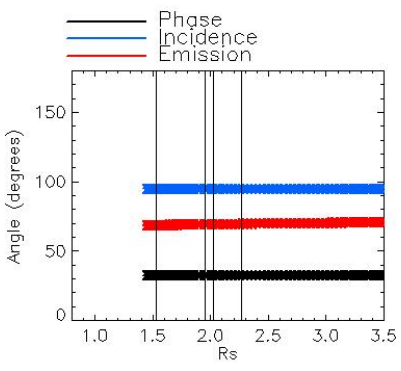
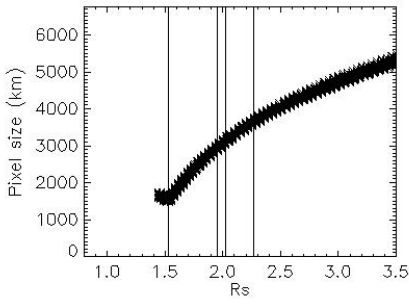
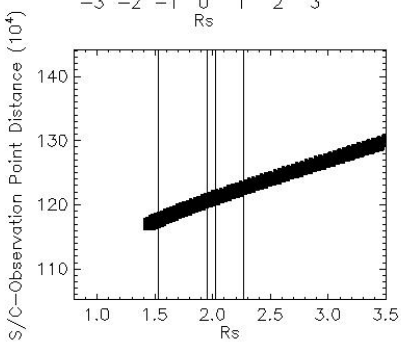
Observation Duration:
1140 S

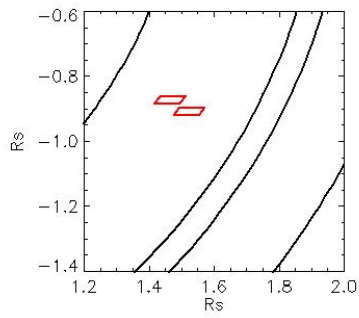
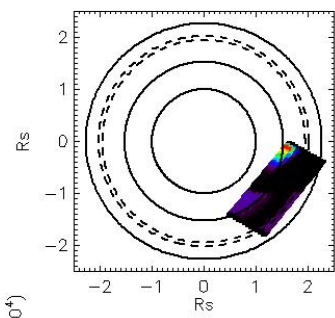
Integration time = 60 S





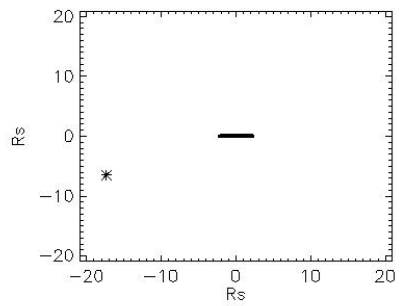
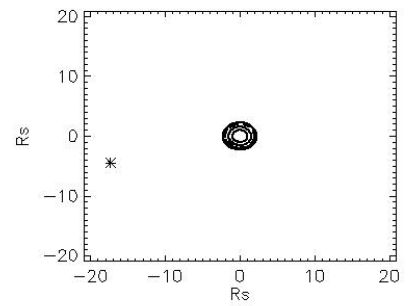
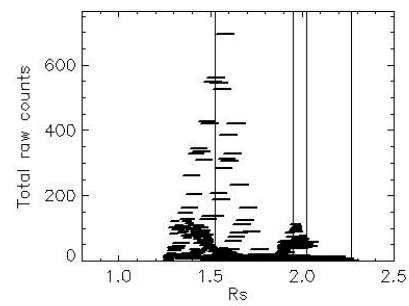
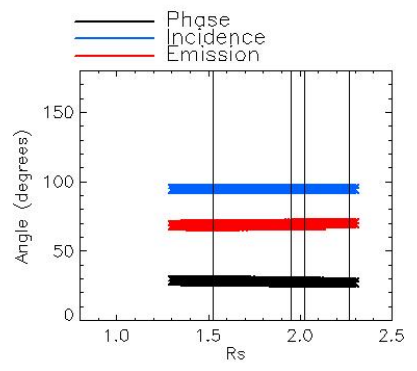
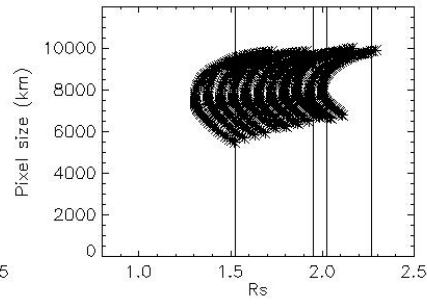
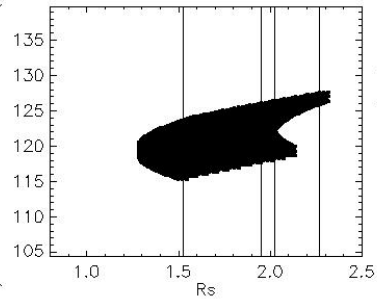
Observation Name:
UVIS_085RLTMAP20LP001_CIRS
 Observation Date:
2008_259_01_48_51
 Observation Duration:
900 S
 Integration time = 60 S

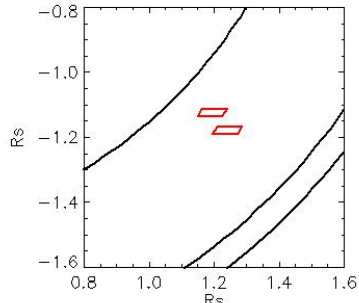
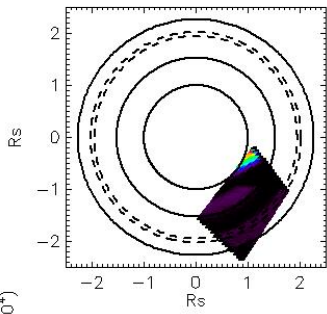




Observation Name:
UVIS_085RLTMAPN30LP001_CIRS
Observation Date:
2008_259_02_40_31
Observation Duration:
1100 S
Integration time = 100 S

S/C—Observation Point Distance (10^4)



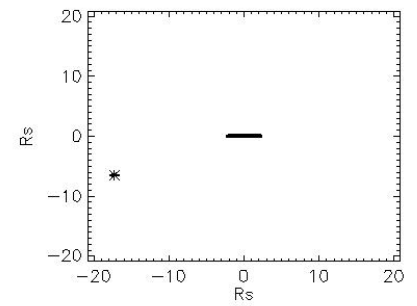
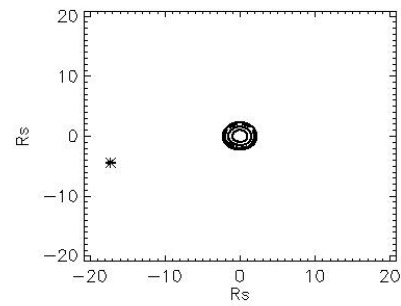
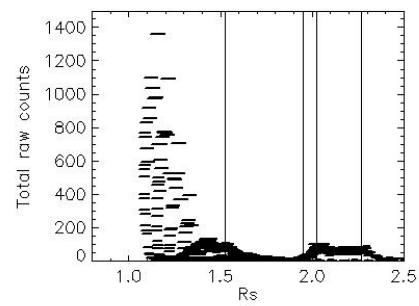
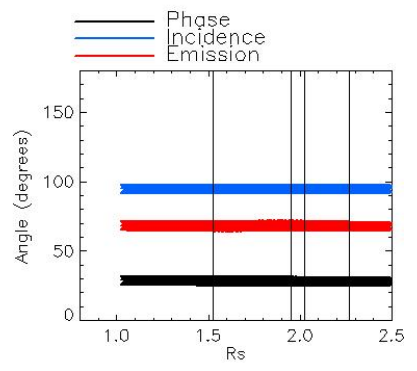
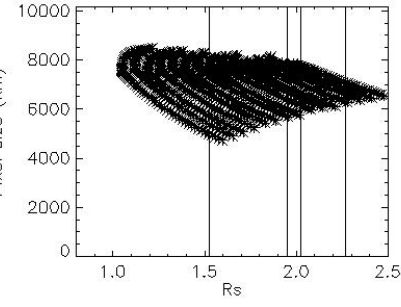
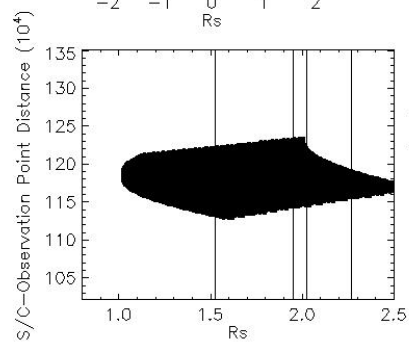


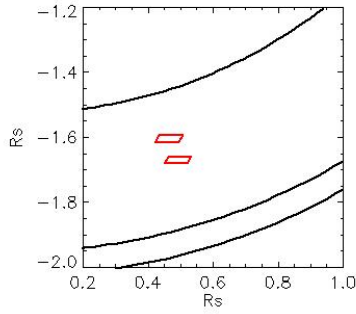
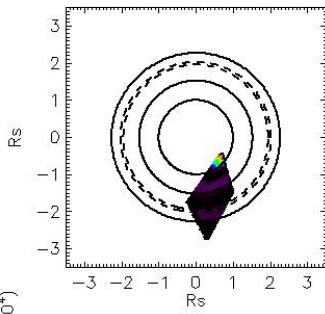
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_03_05_31

Observation Duration:
1500 S

Integration time = 100 S



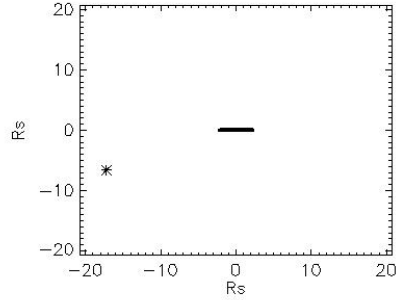
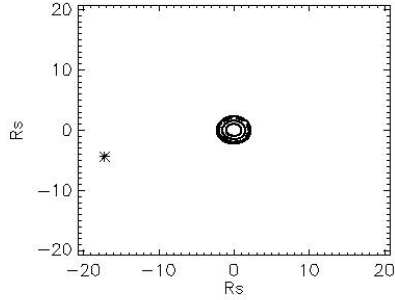
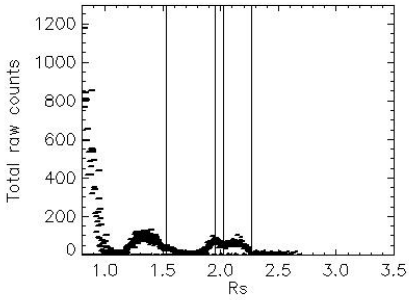
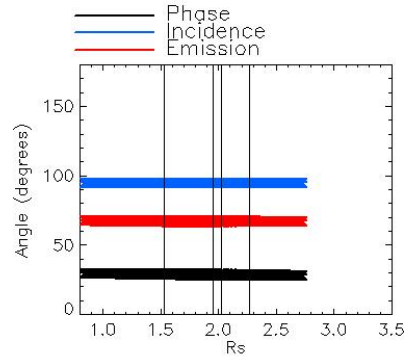
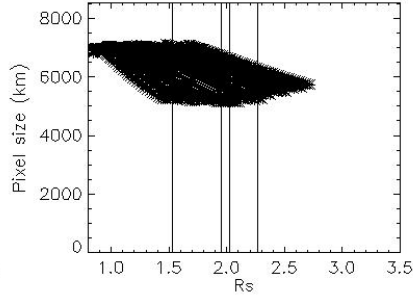
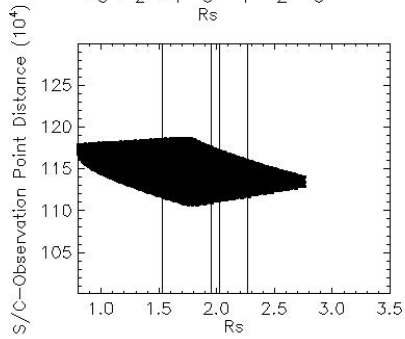


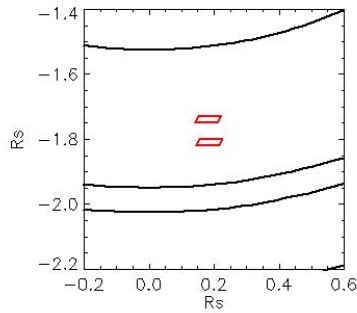
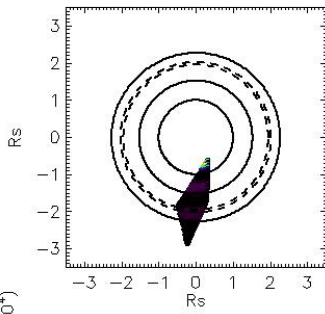
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_03_37_31

Observation Duration:
1500 S

Integration time = 100 S



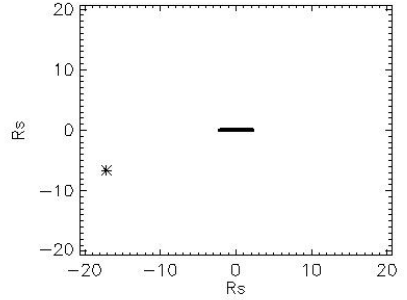
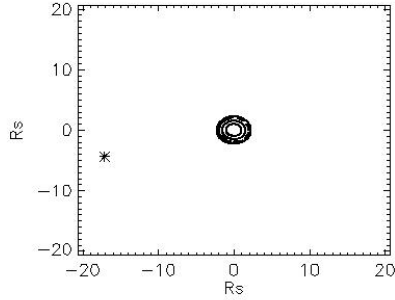
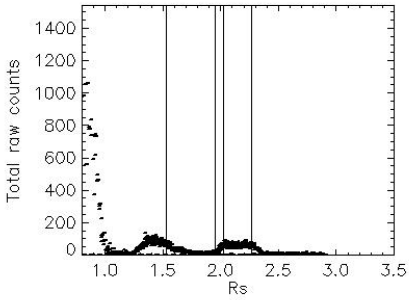
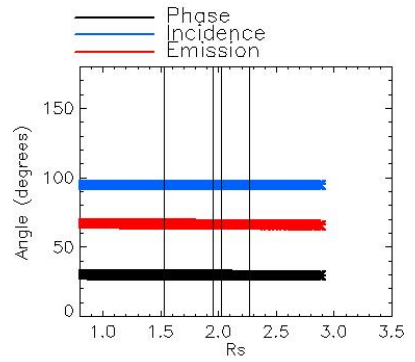
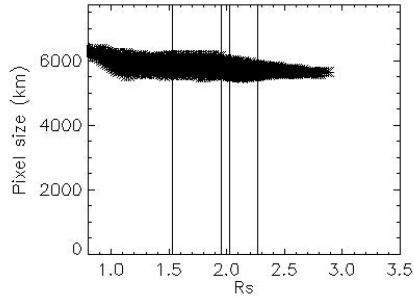
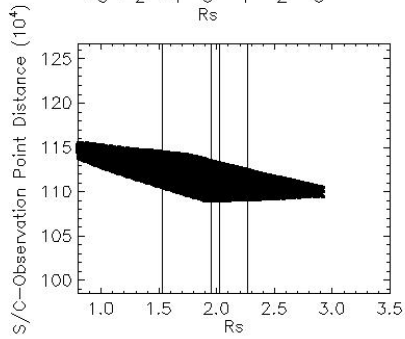


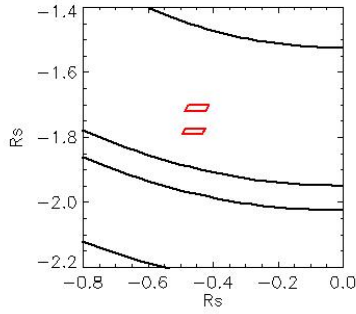
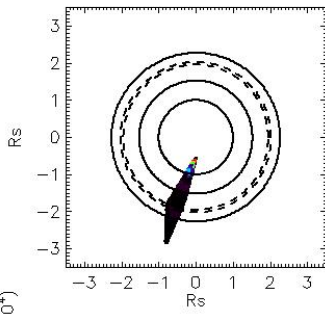
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_04_09_31

Observation Duration:
1500 S

Integration time = 100 S



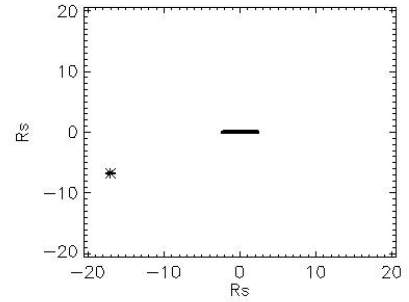
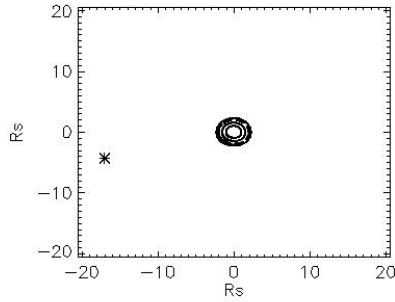
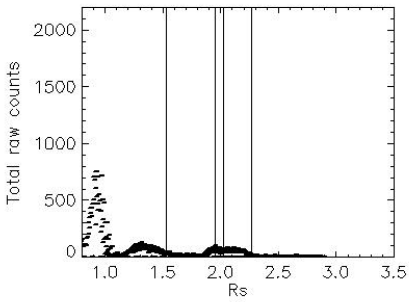
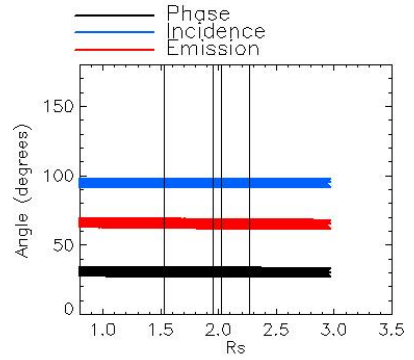
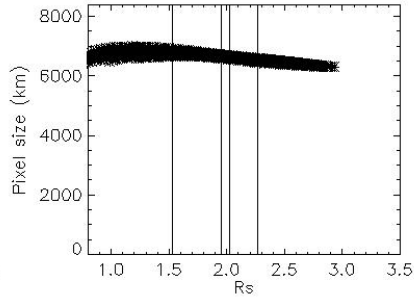
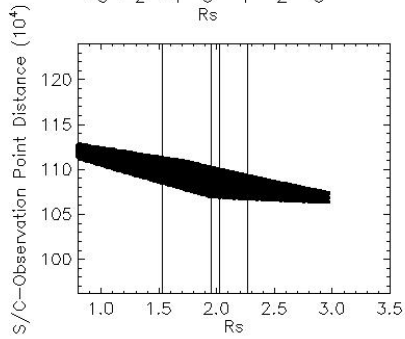


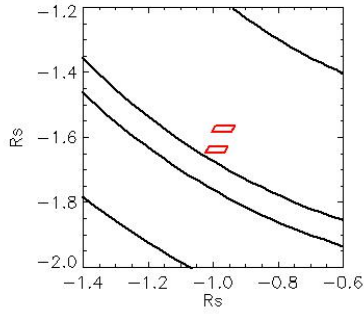
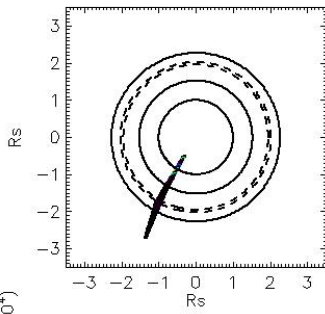
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_04_41_31

Observation Duration:
1500 S

Integration time = 100 S



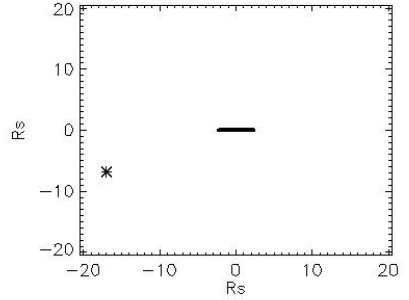
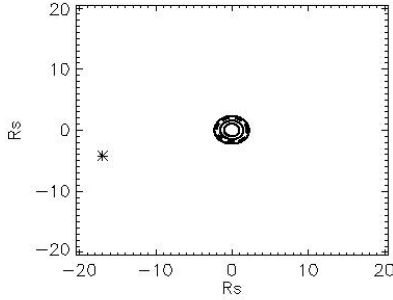
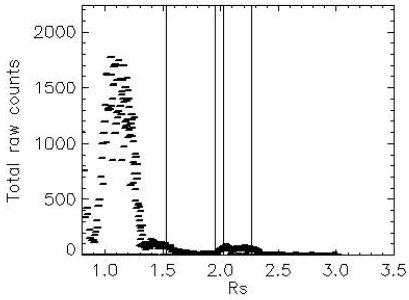
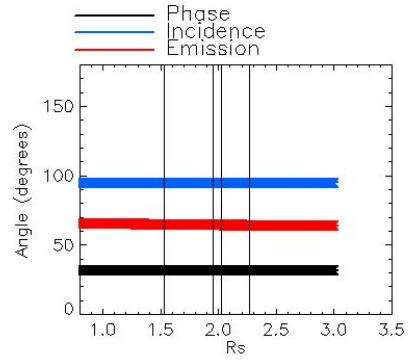
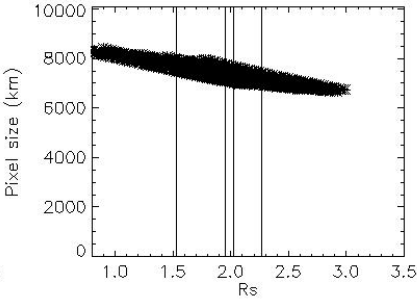
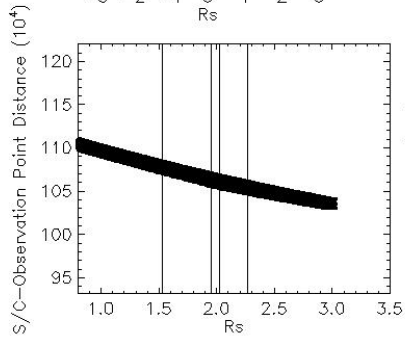


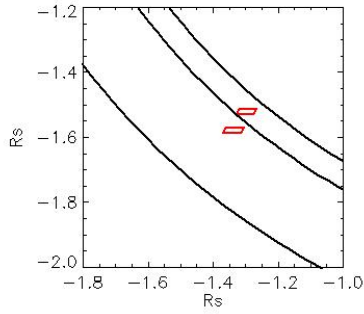
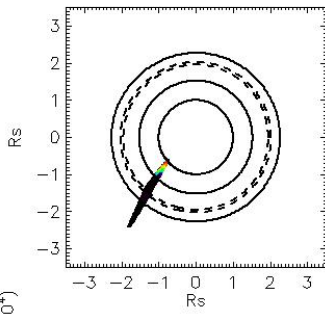
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_05_13_31

Observation Duration:
1500 S

Integration time = 100 S



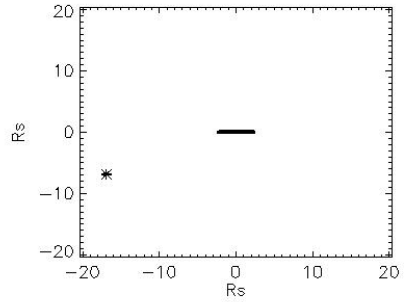
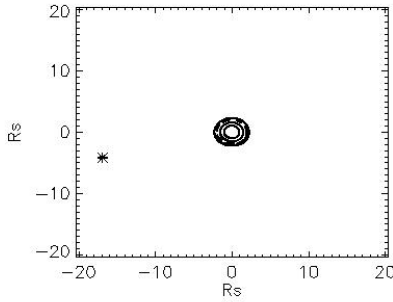
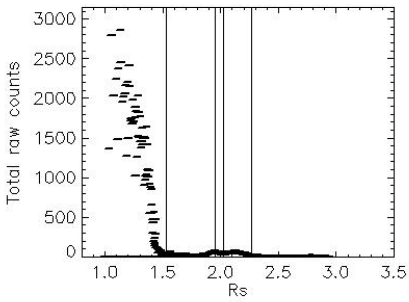
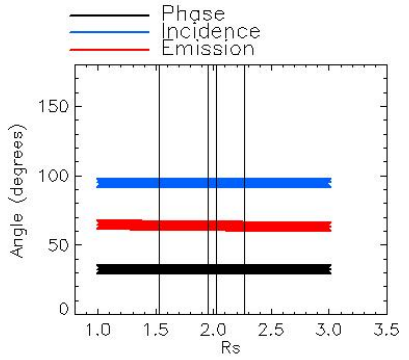
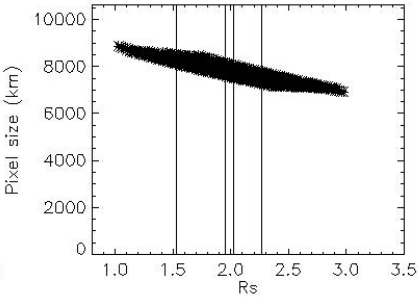
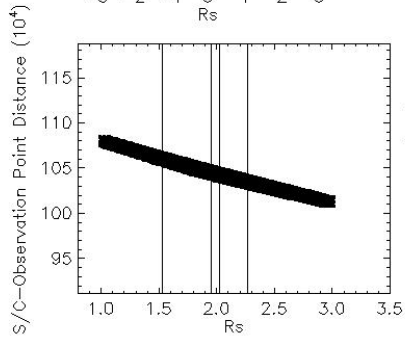


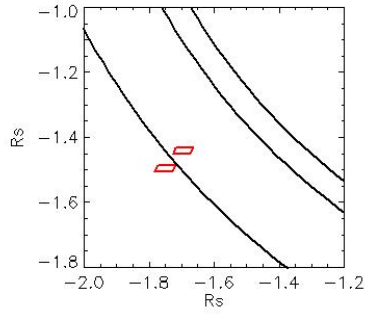
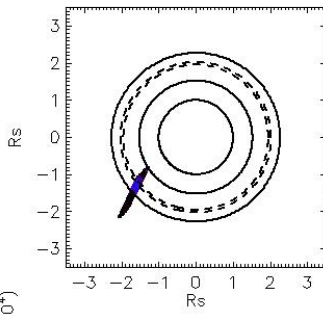
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_05_45_31

Observation Duration:
1100 S

Integration time = 100 S



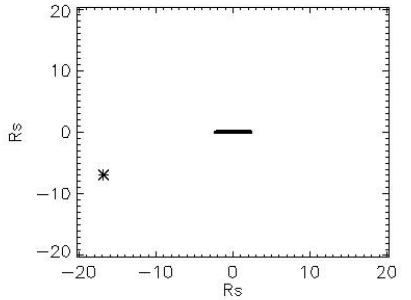
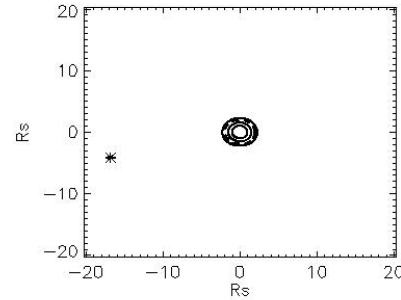
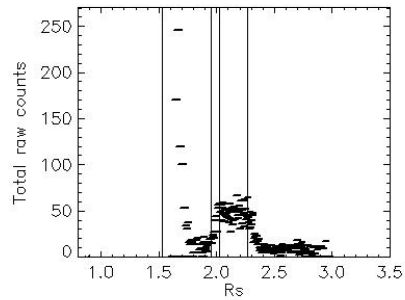
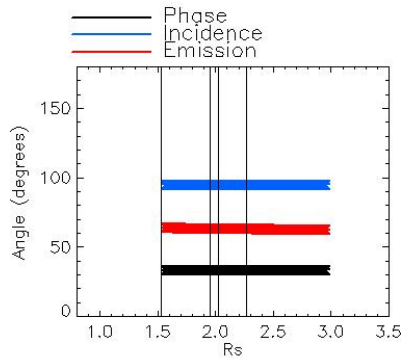
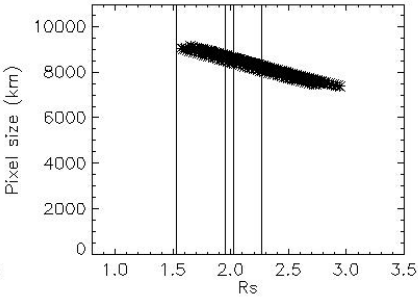
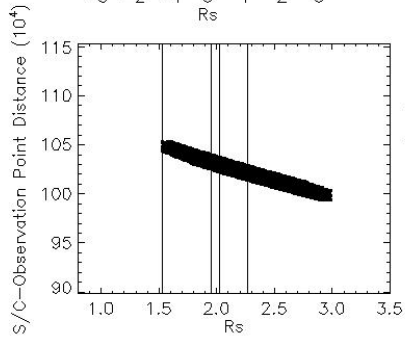


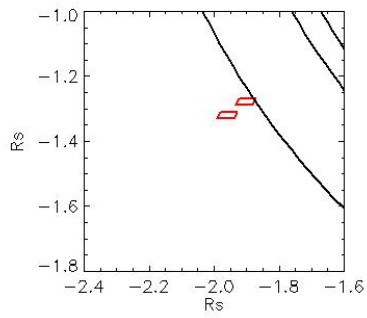
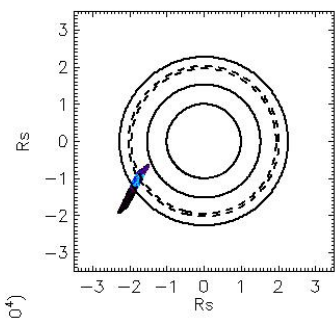
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_06_10_31

Observation Duration:
400 S

Integration time = 100 S





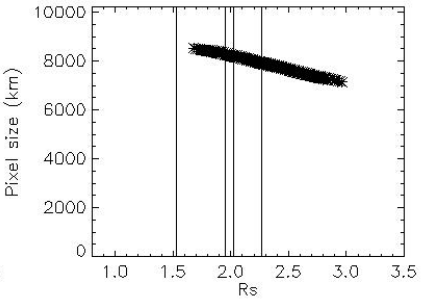
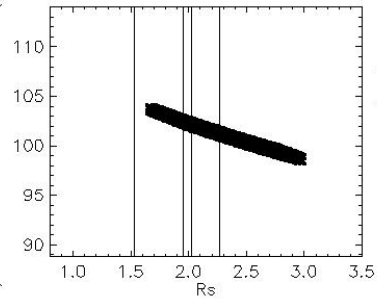
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_06_24_31

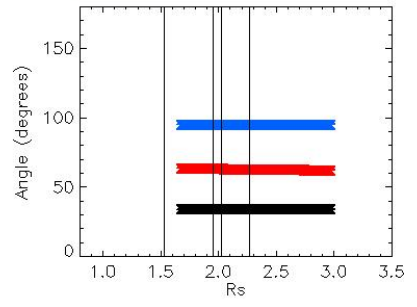
Observation Duration:
400 S

Integration time = 100 S

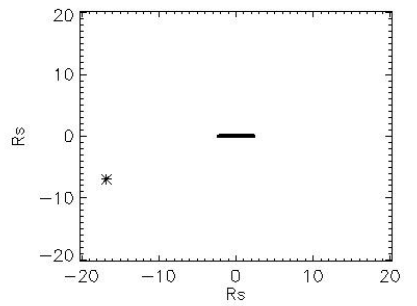
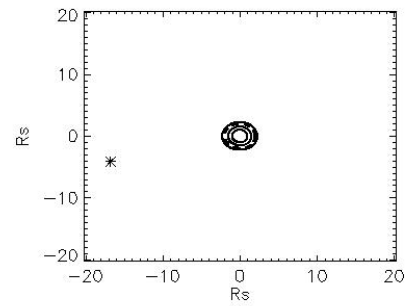
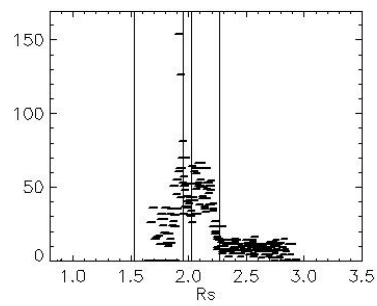
S/C—Observation Point Distance (10^4)

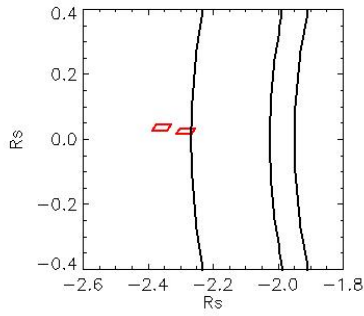
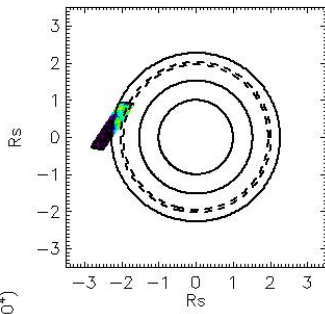


— Phase
— Incidence
— Emission



Total raw counts



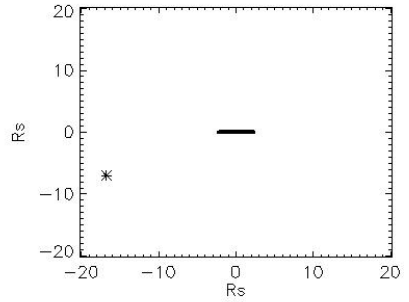
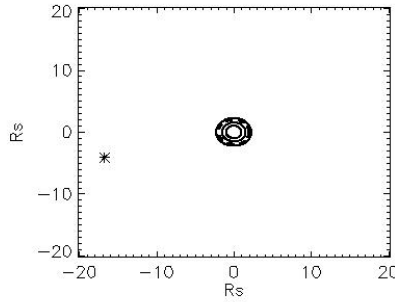
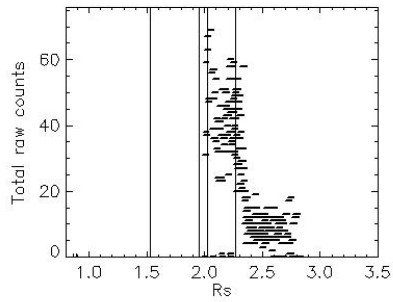
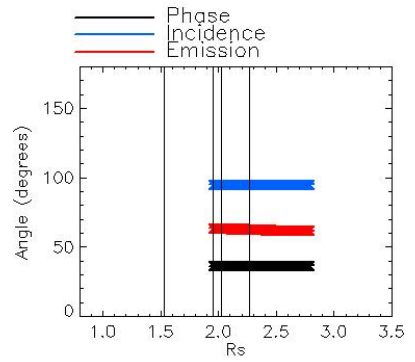
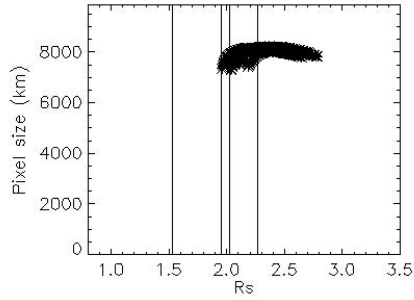
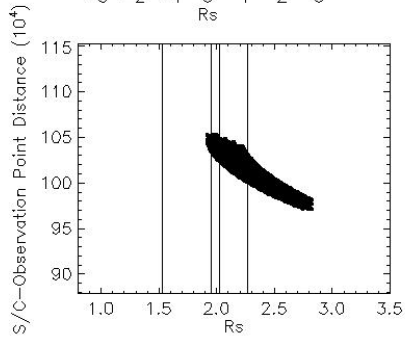


Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

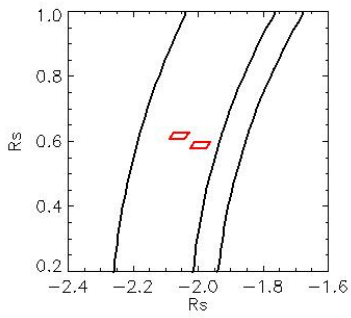
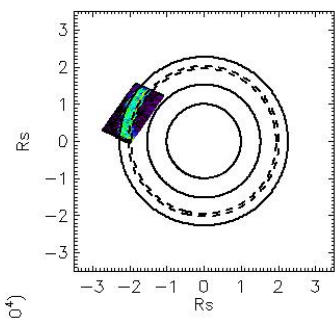
Observation Date:
2008_259_06_37_31

Observation Duration:
400 S

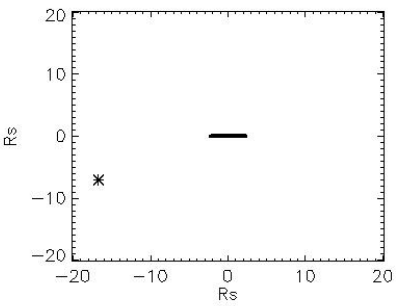
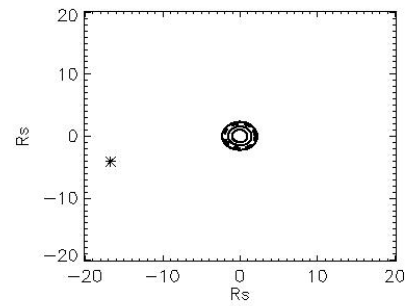
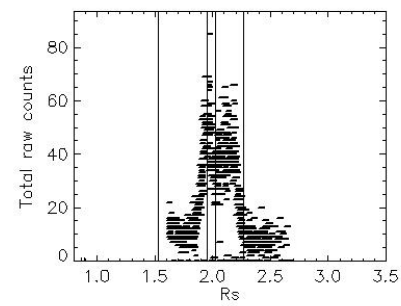
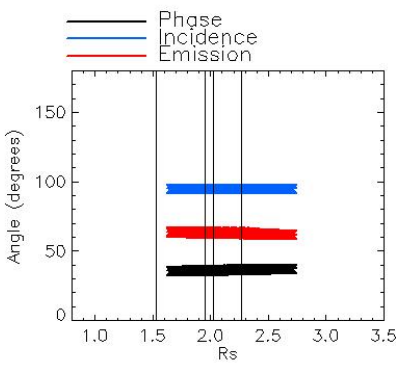
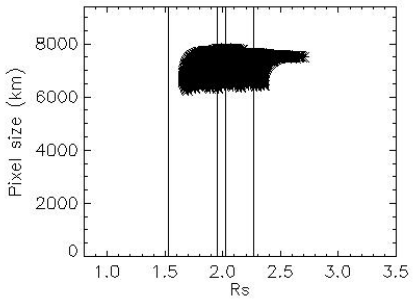
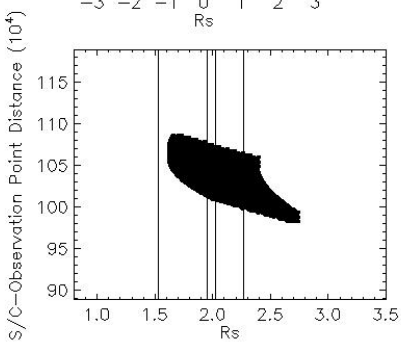
Integration time = 100 S

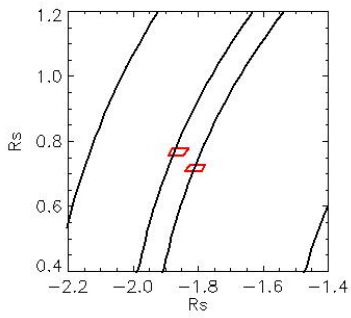
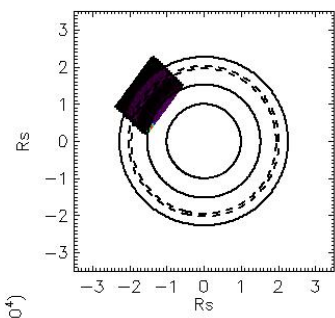


— Phase
— Incidence
— Emission



Observation Name:
UVIS_085RLTMAPN30LP001_CIRS
Observation Date:
2008_259_06_51_31
Observation Duration:
1100 S
Integration time = 100 S



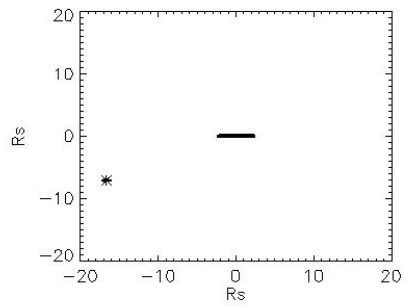
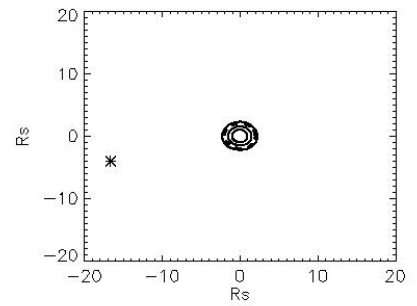
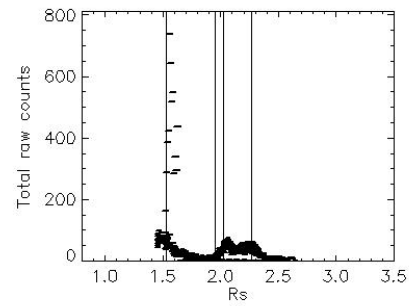
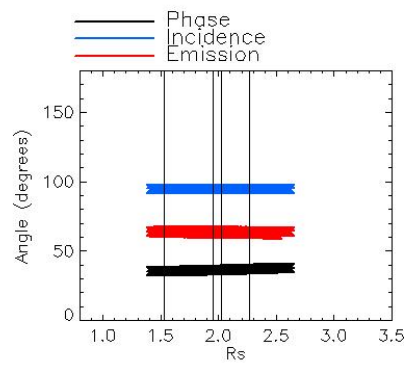
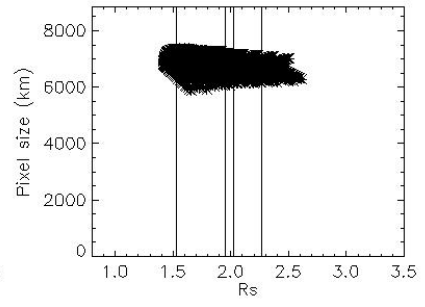
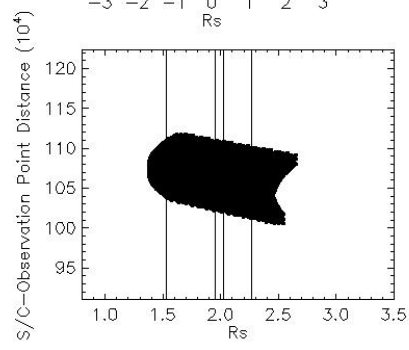


Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

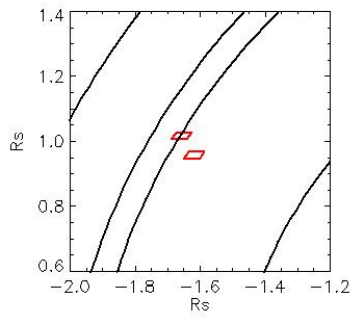
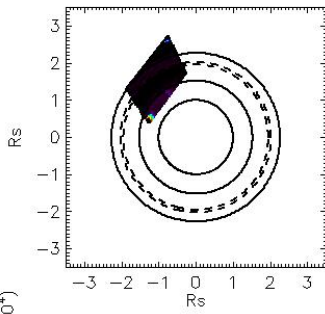
Observation Date:
2008_259_07_16_31

Observation Duration:
1500 S

Integration time = 100 S



— Phase
— Incidence
— Emission

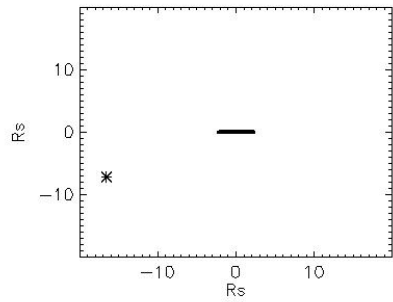
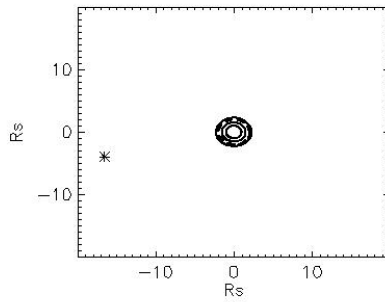
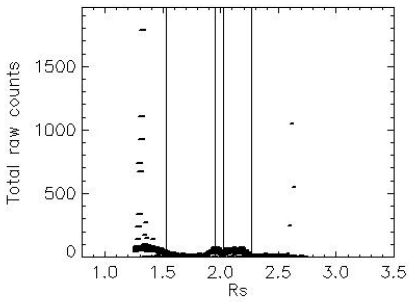
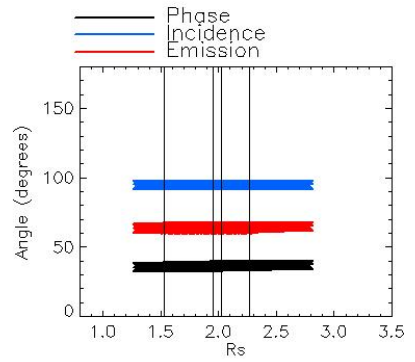
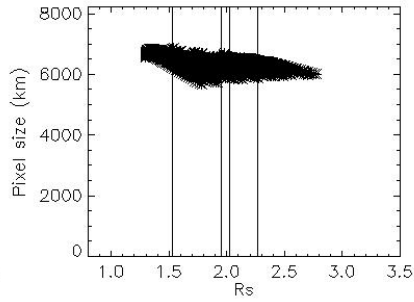
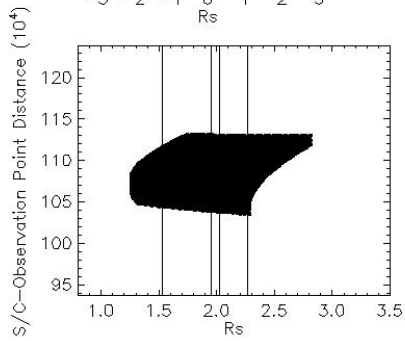


Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

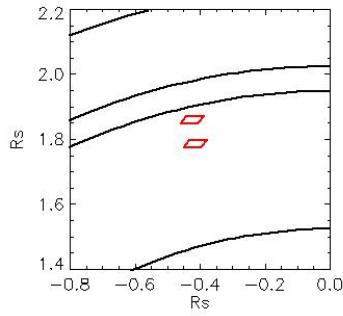
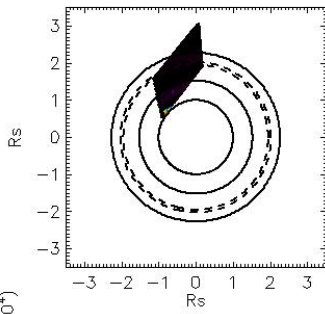
Observation Date:
2008_259_07_48_31

Observation Duration:
1500 S

Integration time = 100 S



— Phase
— Incidence
— Emission

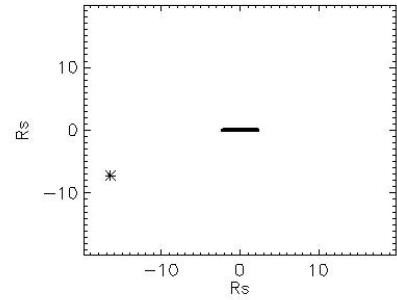
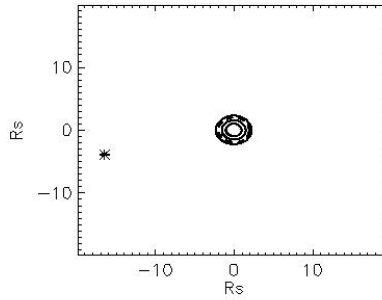
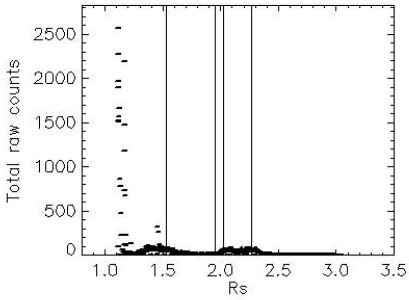
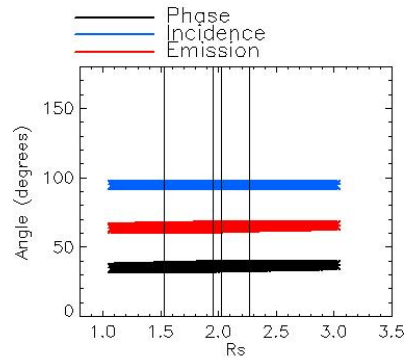
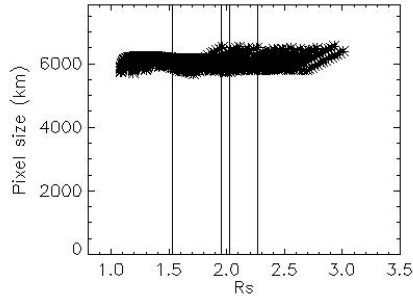
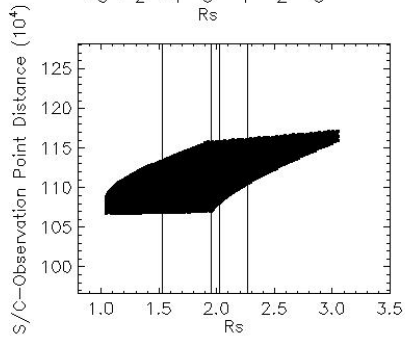


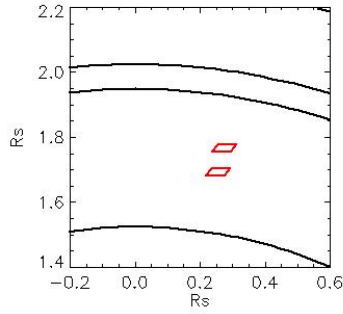
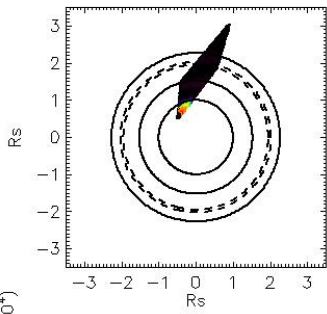
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_08_20_31

Observation Duration:
1500 S

Integration time = 100 S



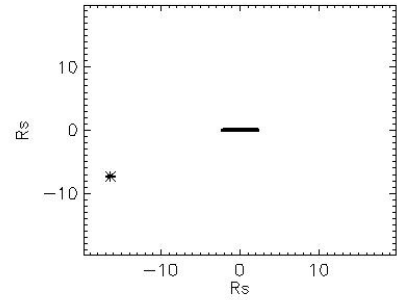
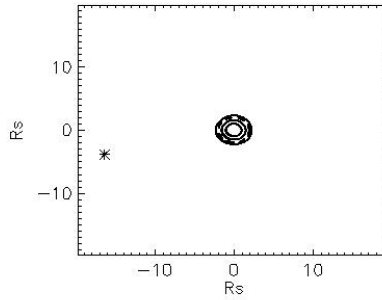
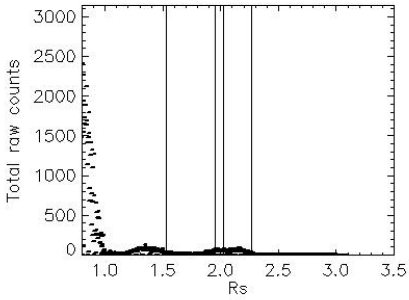
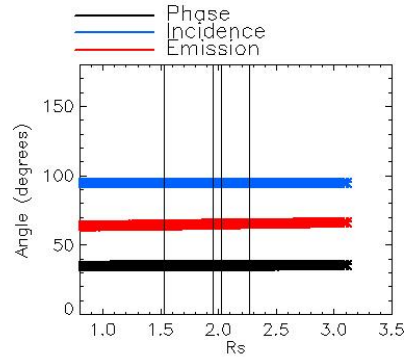
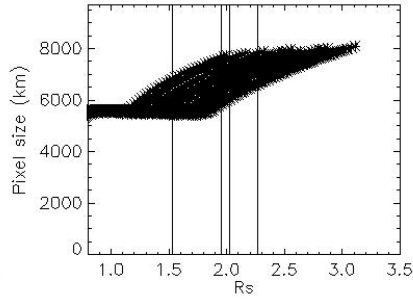
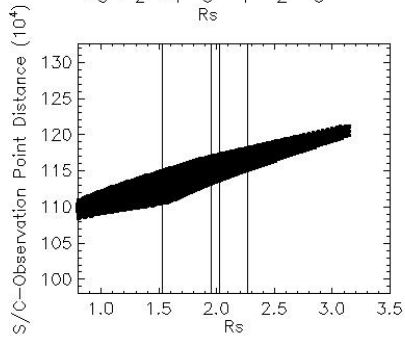


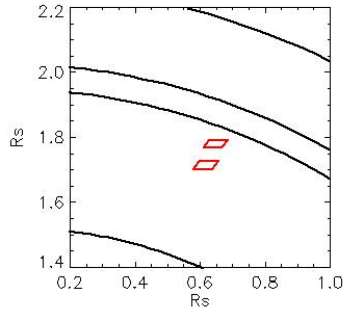
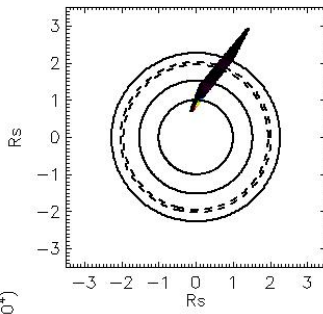
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_08_52_31

Observation Duration:
1500 S

Integration time = 100 S



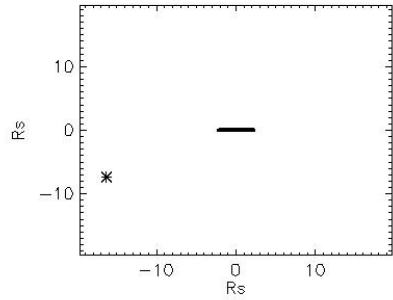
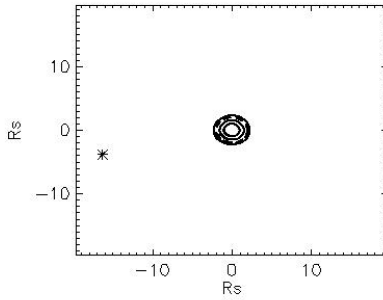
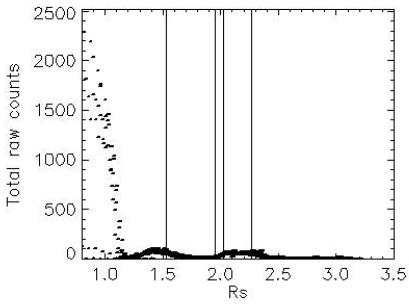
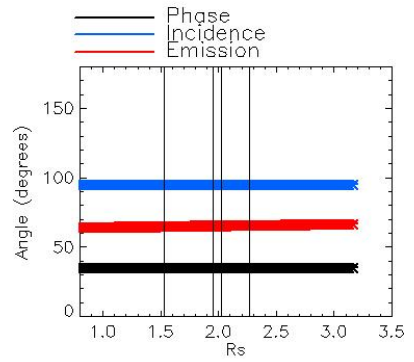
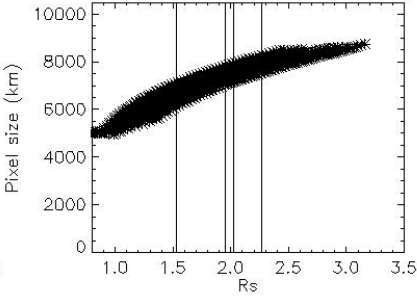
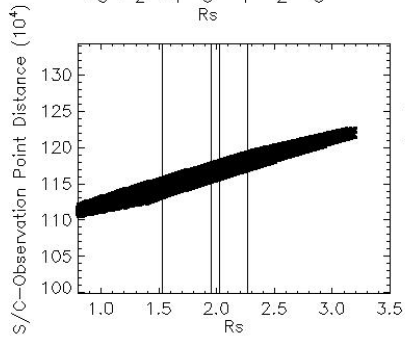


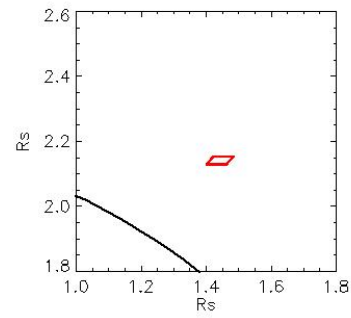
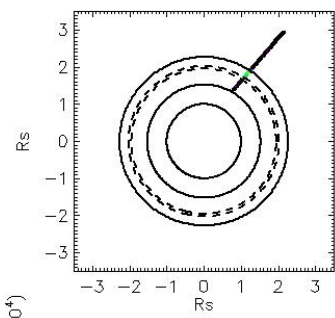
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_09_24_31

Observation Duration:
1100 S

Integration time = 100 S





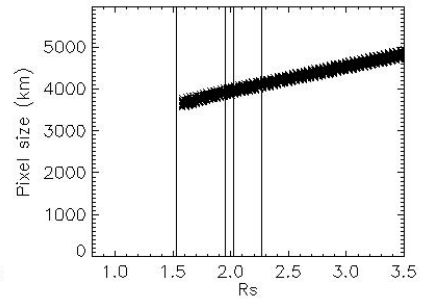
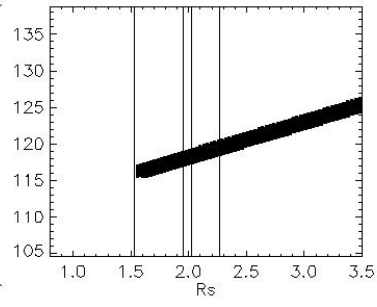
Observation Name:
UVIS_085RLTMAPN30LP001_CIRS

Observation Date:
2008_259_09_48_31

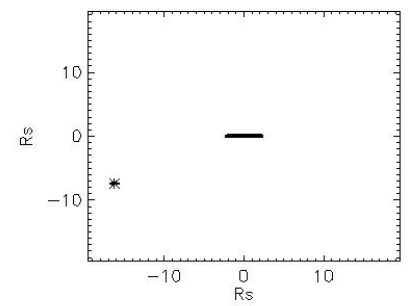
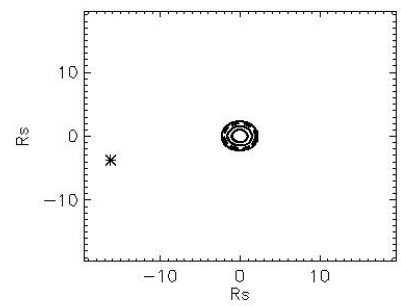
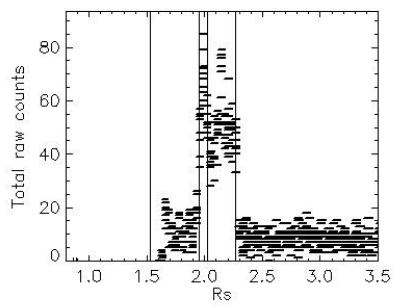
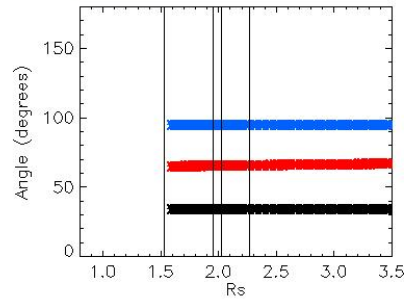
Observation Duration:
1000 S

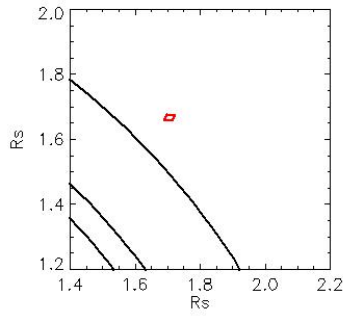
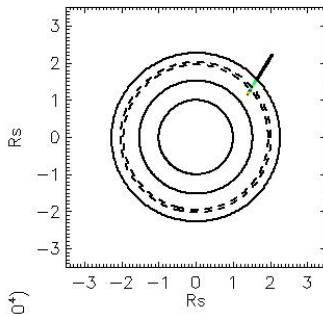
Integration time = 100 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission



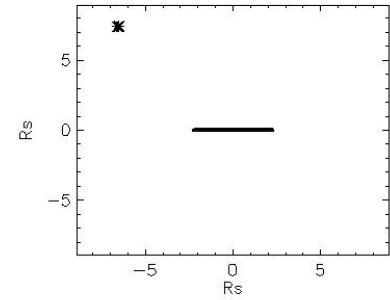
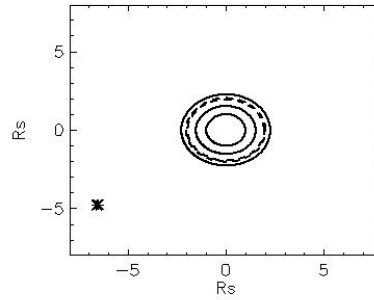
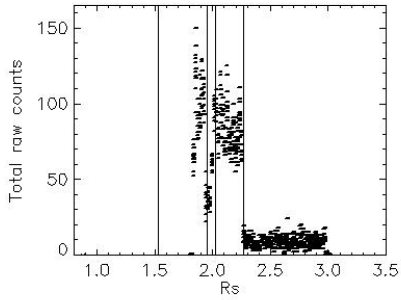
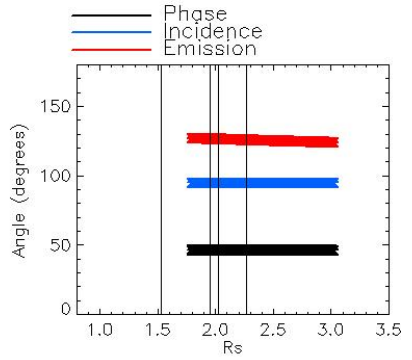
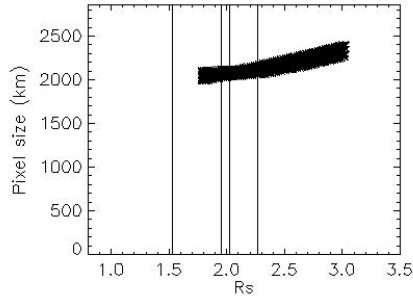
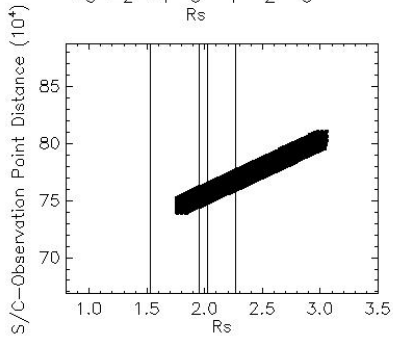


Observation Name:
UMS_085RLVCASLSP001_CIRS

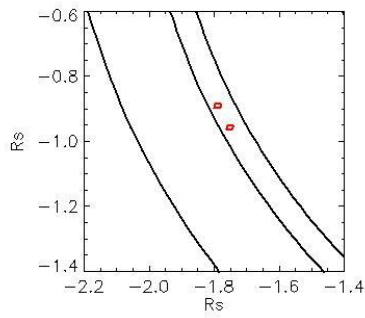
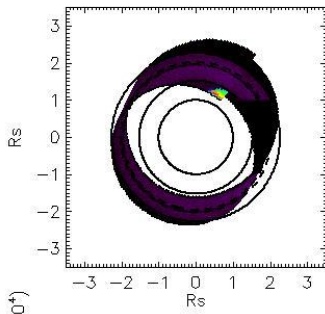
Observation Date:
2008_262_15_12_31

Observation Duration:
1100 S

Integration time = 100 S



— Phase
— Incidence
— Emission

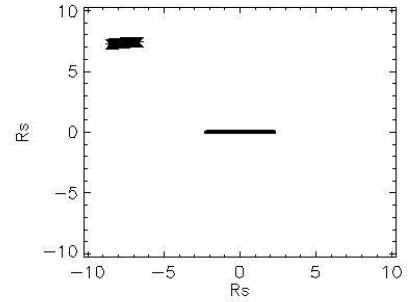
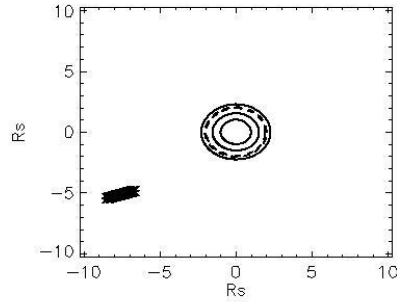
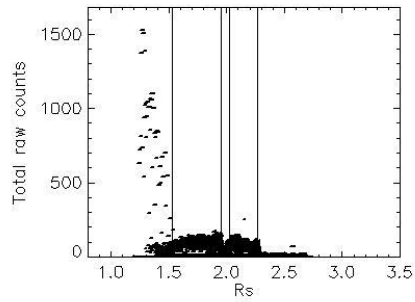
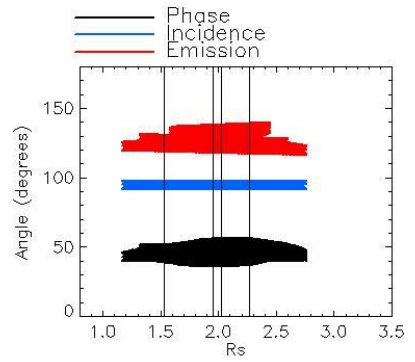
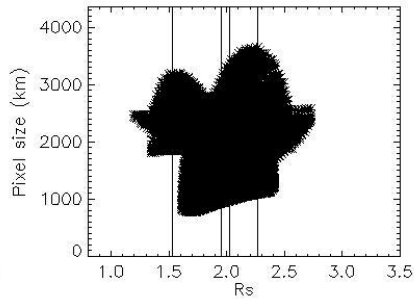
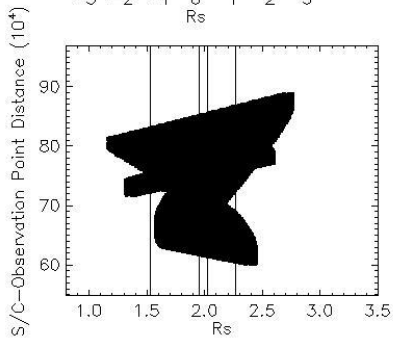


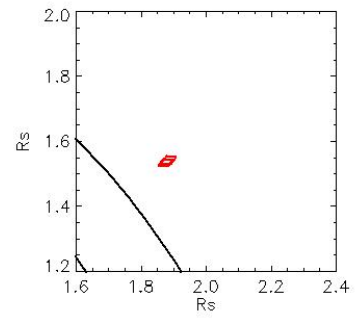
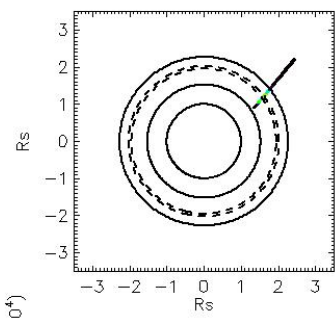
Observation Name:
UMS_085RLVCASLPLP001_CIRS

Observation Date:
2008_262_15_37_31

Observation Duration:
16700 S

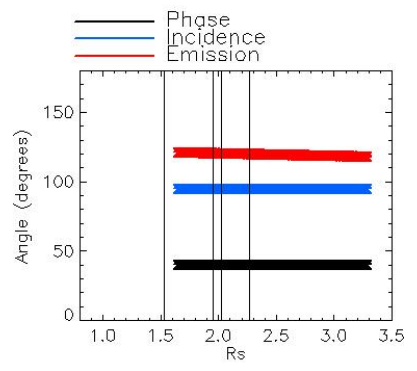
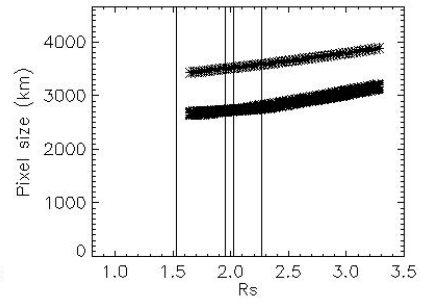
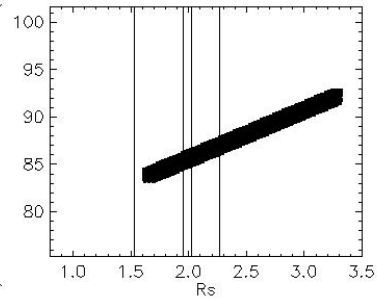
Integration time = 100 S



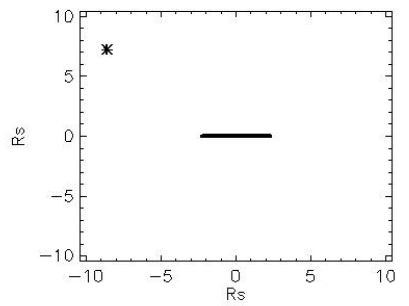
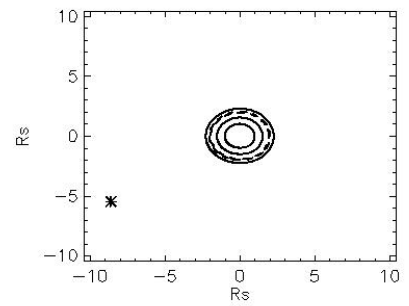
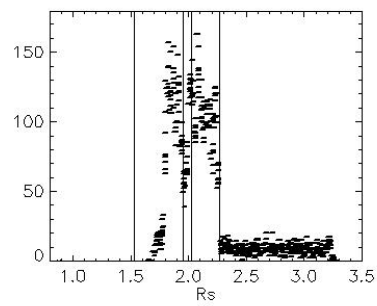


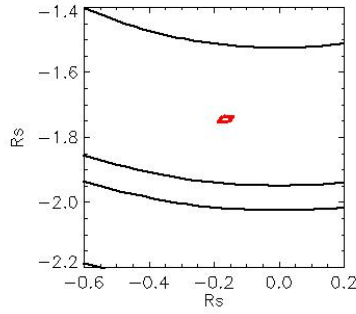
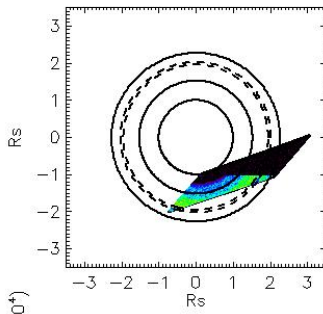
Observation Name:
 UMS_085RLVCASLPL001_CIRS
 Observation Date:
 2008_262_20_21_31
 Observation Duration:
 900 S
 Integration time = 100 S

S/C—Observation Point Distance (10^4)



Total raw counts



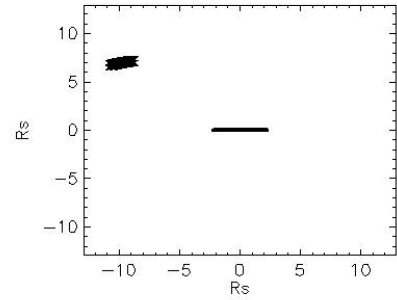
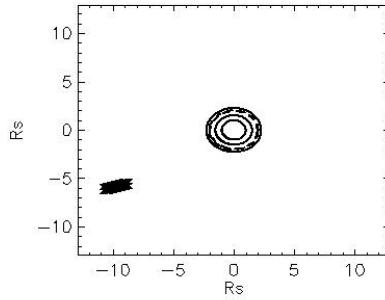
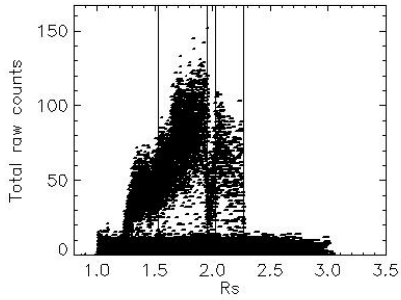
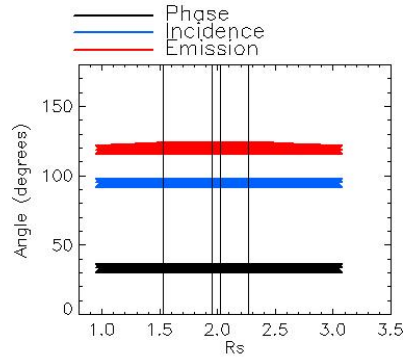
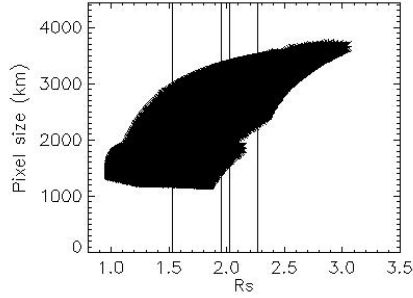
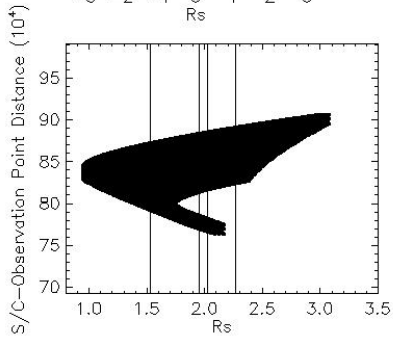


Observation Name:
UMS_085RLRSCNCOCC001_VIMS

Observation Date:
2008_262_20_56_06

Observation Duration:
19920 S

Integration time = 60 S

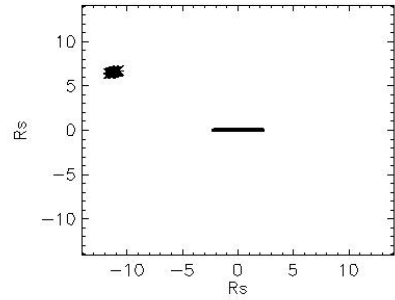
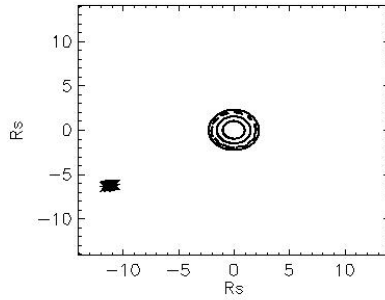
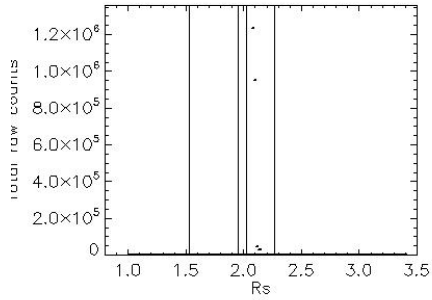
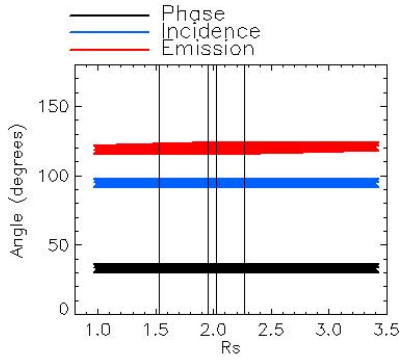
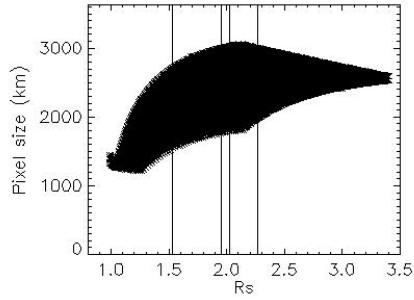
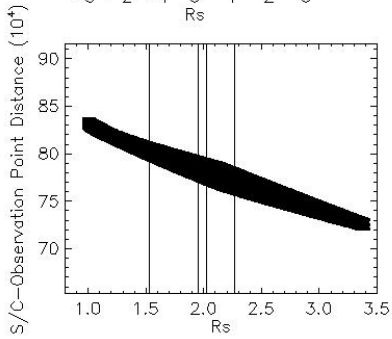
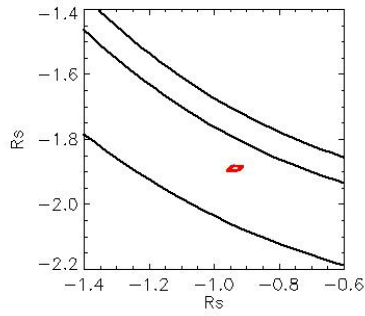
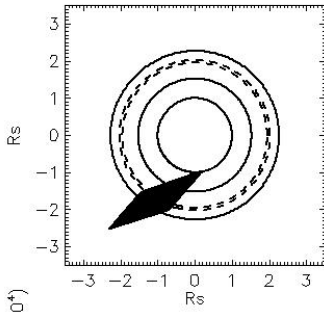


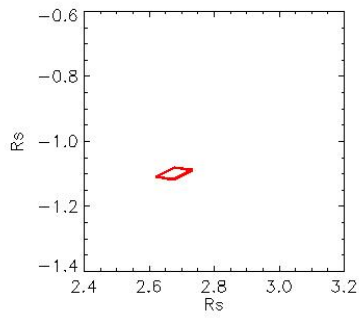
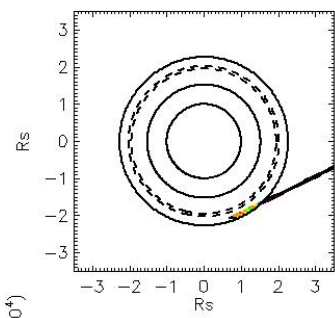
Observation Name:
UMS_085RLRSCNCOCC001_VIMS

Observation Date:
2008_263_02_28_06

Observation Duration:
11100 S

Integration time = 60 S



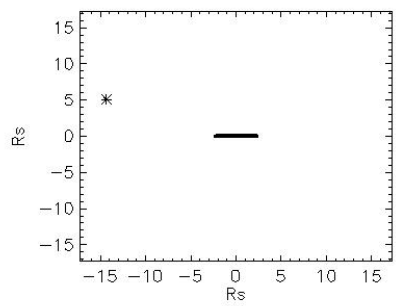
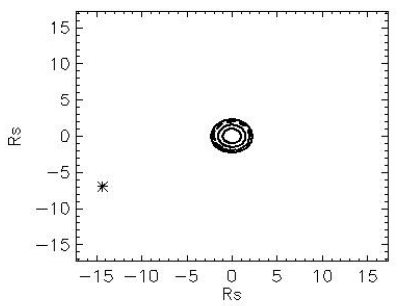
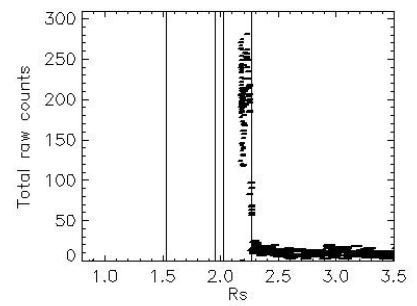
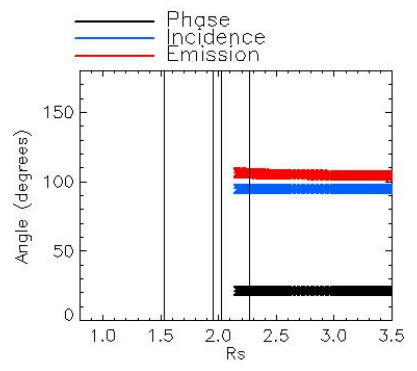
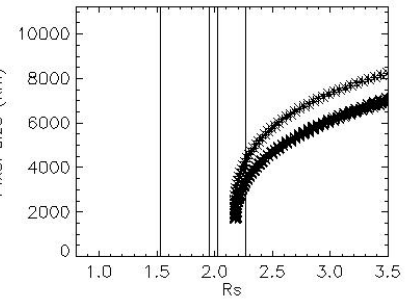
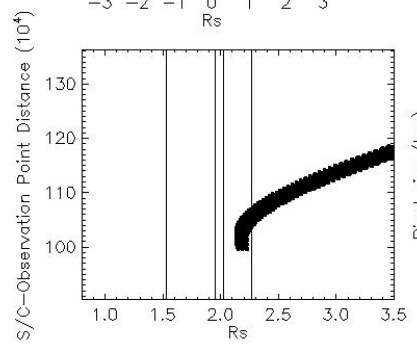


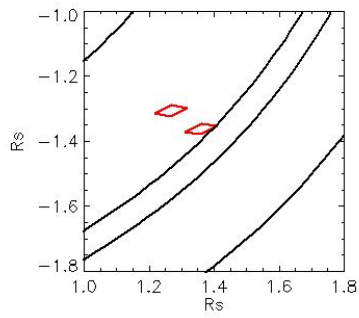
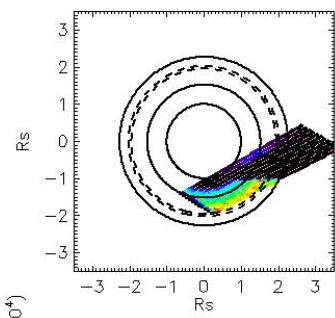
Observation Name:
UVIS_085RLTMAPS10LP001_CIRS

Observation Date:
2008_263_15_11_31

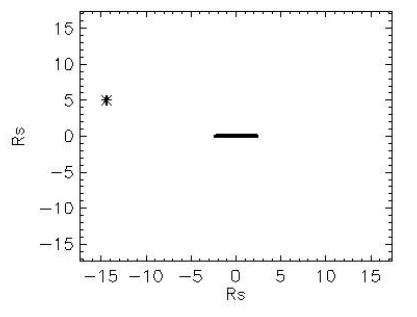
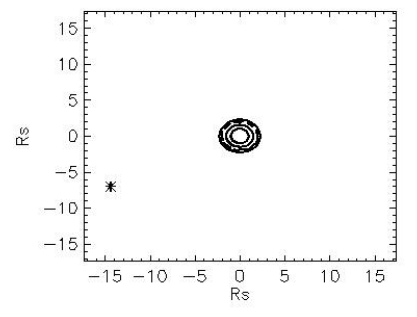
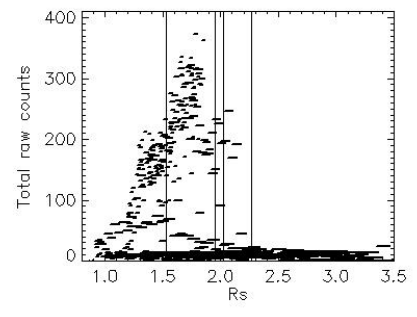
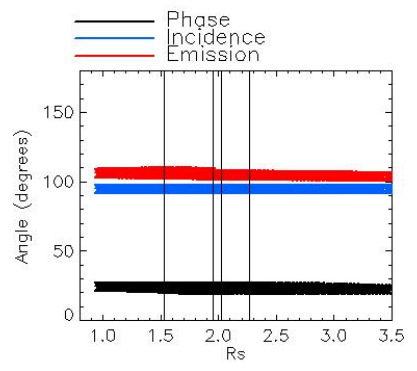
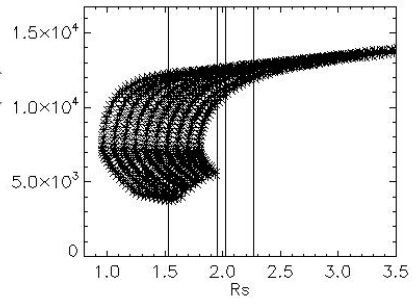
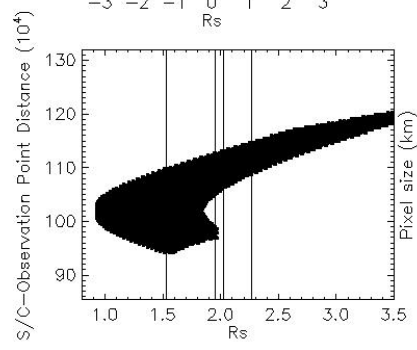
Observation Duration:
900 S

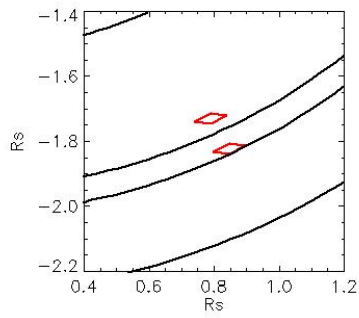
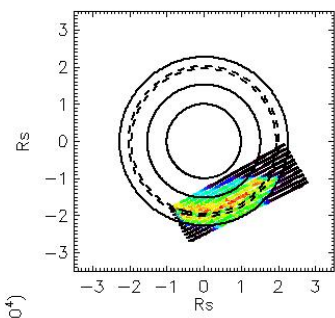
Integration time = 100 S



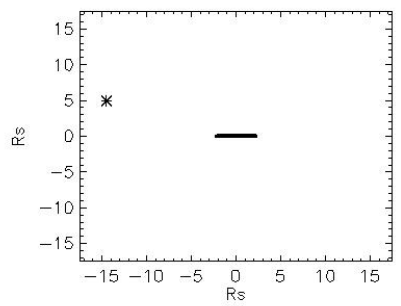
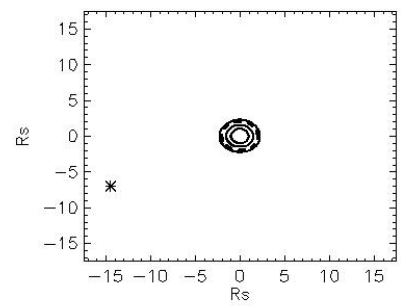
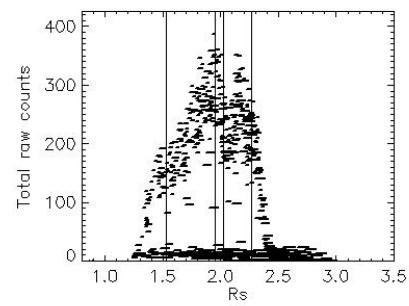
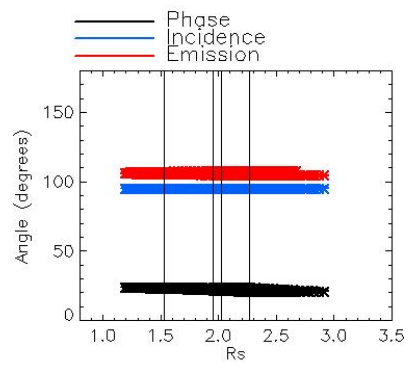
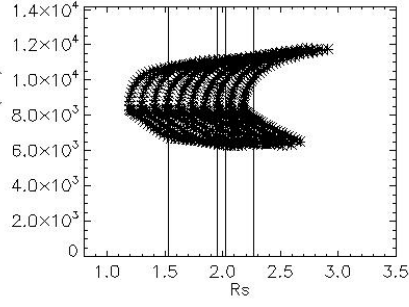
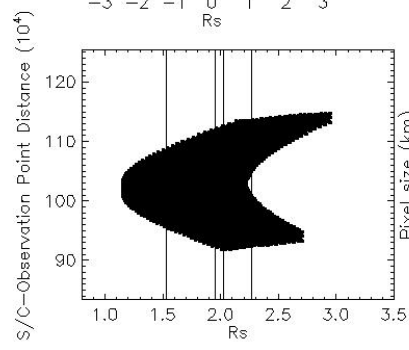


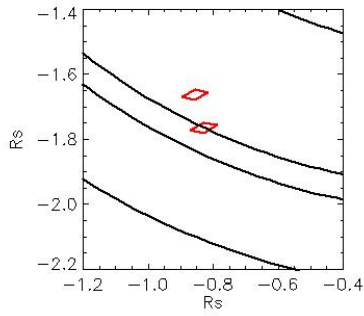
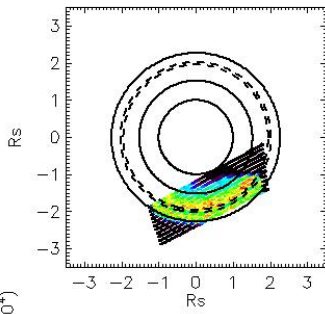
Observation Name:
 UVS_085RLTMAPS10LP001_CIRS
 Observation Date:
 2008_263_15_31_31
 Observation Duration:
 1000 S
 Integration time = 100 S





Observation Name:
 UVS_085RLTMAPS10LP001_CIRS
 Observation Date:
 2008_263_15_54_31
 Observation Duration:
 1000 S
 Integration time = 100 S



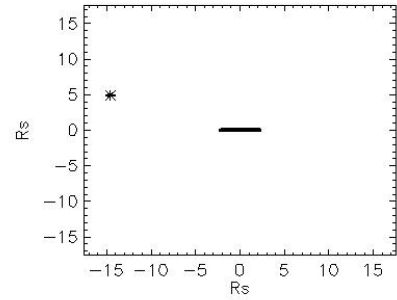
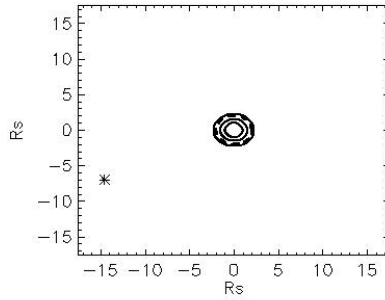
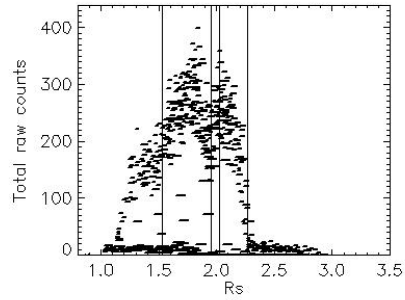
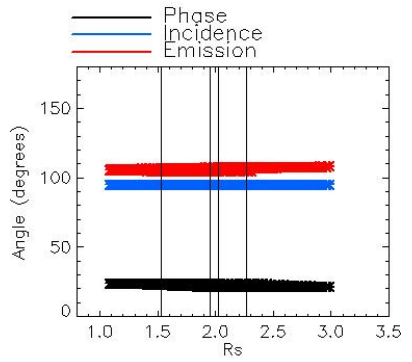
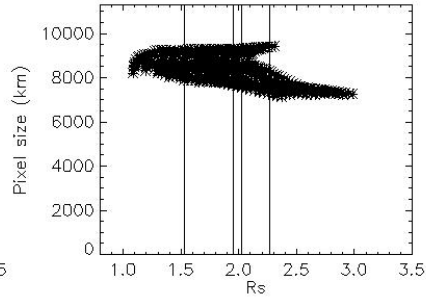
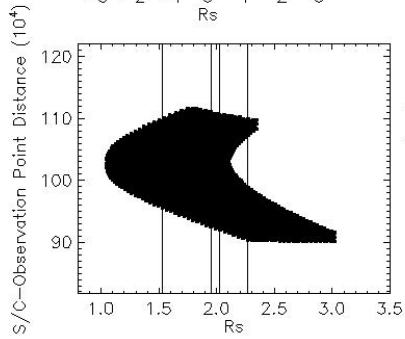


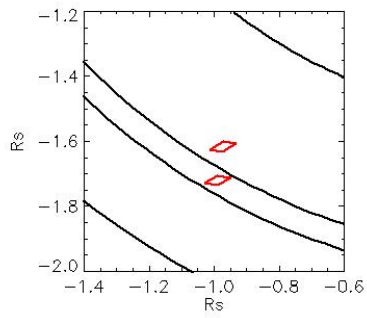
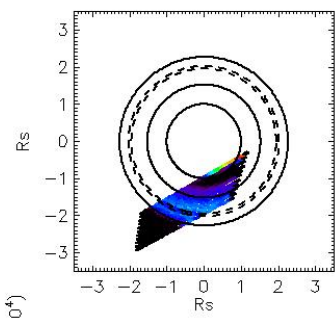
Observation Name:
UVIS_085RLTMAPS10LP001_CIRS

Observation Date:
2008_263_16_17_31

Observation Duration:
1000 S

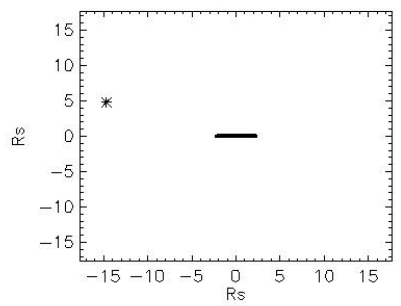
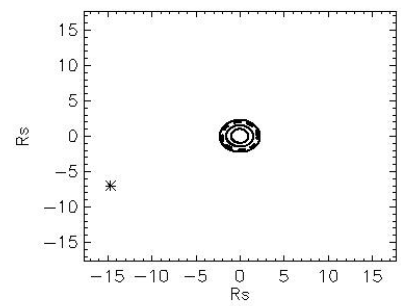
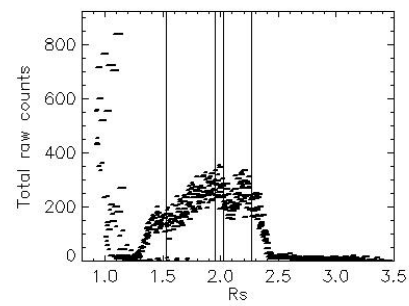
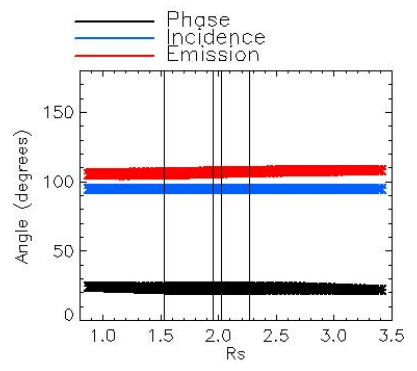
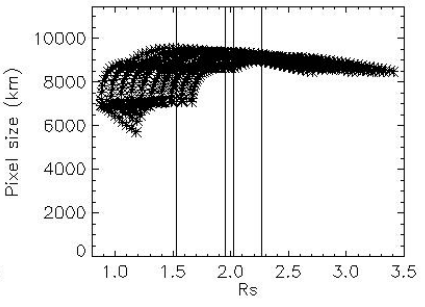
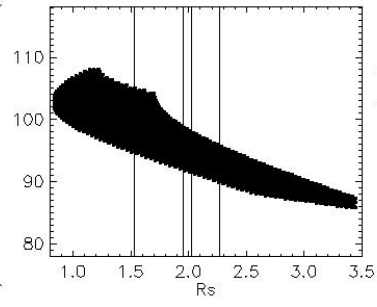
Integration time = 100 S

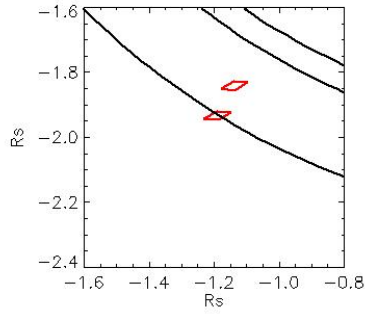
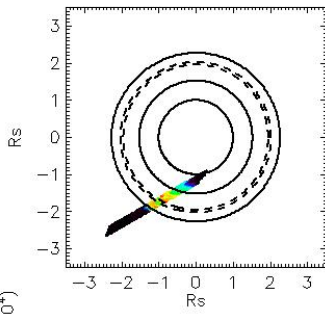




Observation Name:
 UVS_085RLTMAPS10LP001_CIRS
 Observation Date:
 2008_263_16_40_31
 Observation Duration:
 1000 S
 Integration time = 100 S

S/C—Observation Point Distance (10^4)



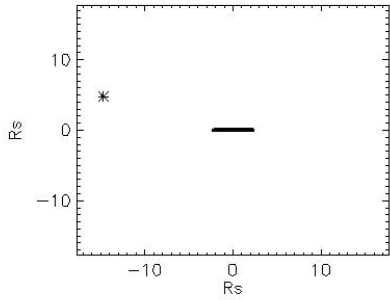
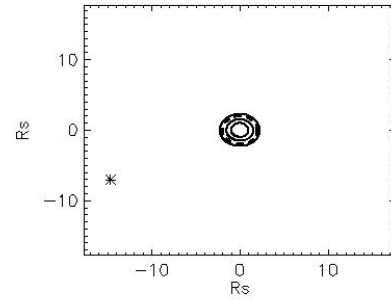
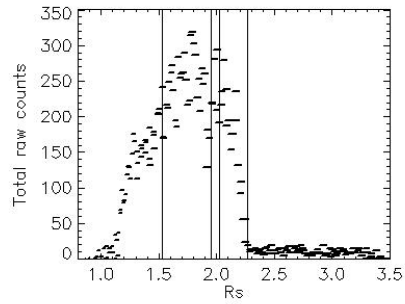
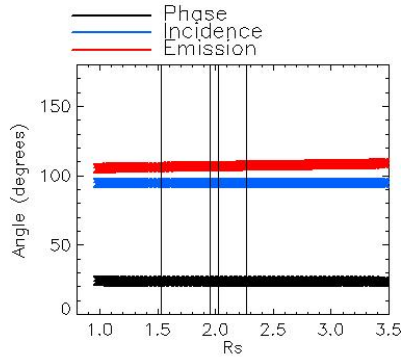
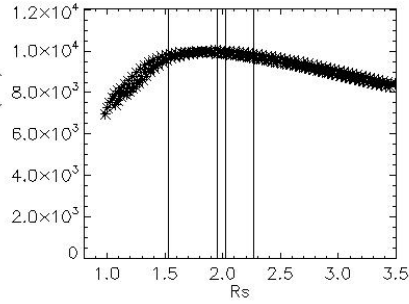
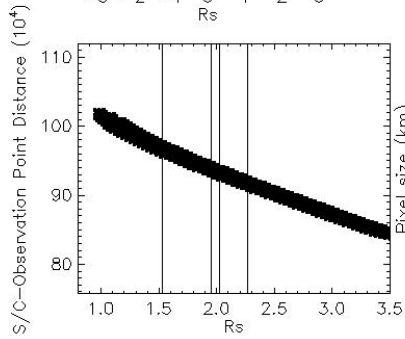


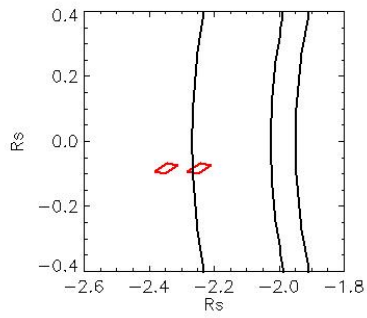
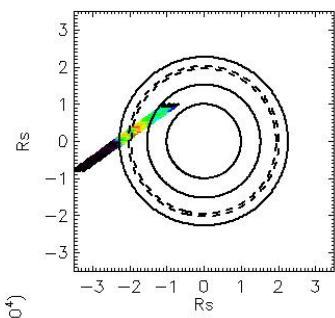
Observation Name:
UVIS_085RLTMAPS10LP001_CIRS

Observation Date:
2008_263_17_03_31

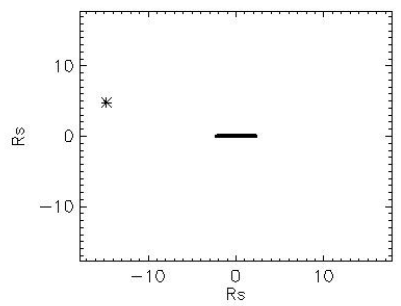
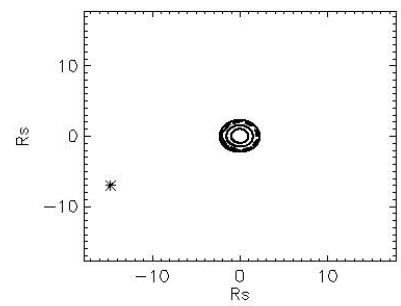
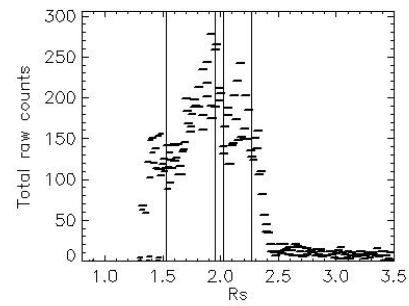
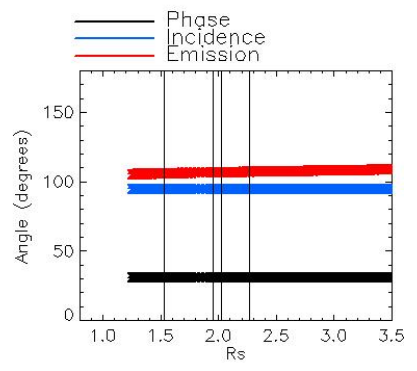
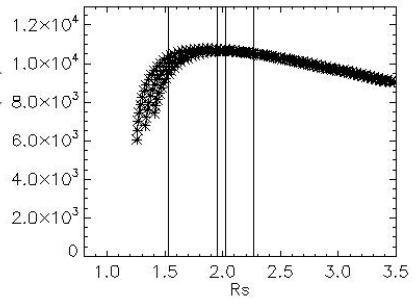
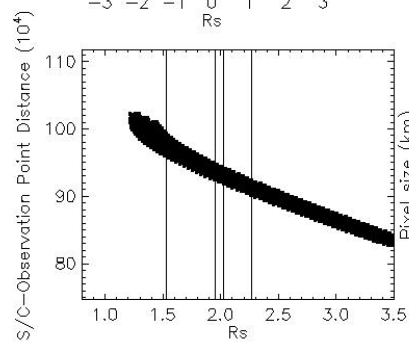
Observation Duration:
300 S

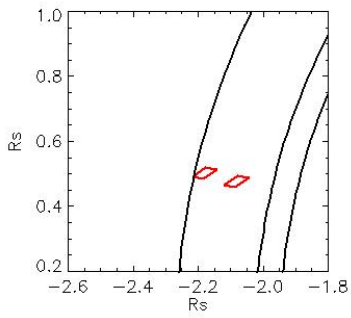
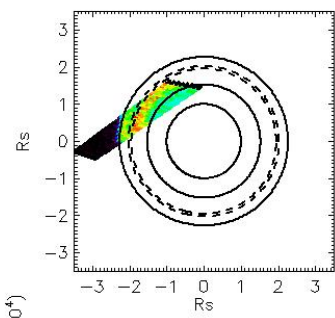
Integration time = 100 S





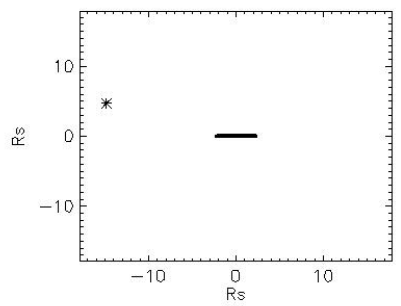
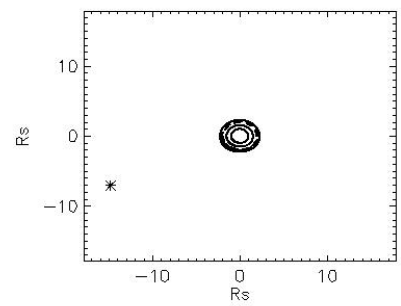
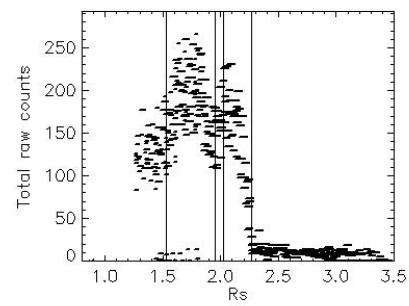
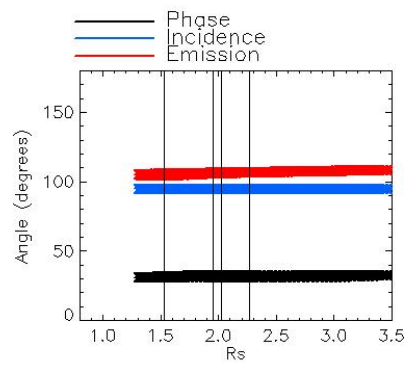
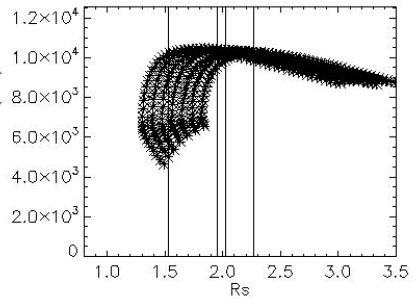
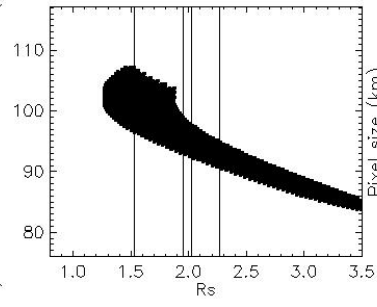
Observation Name:
 UVS_085RLTMAPS10LP001_CIRS
 Observation Date:
 2008_263_17_15_31
 Observation Duration:
 300 S
 Integration time = 100 S

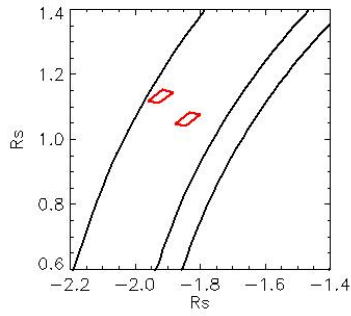
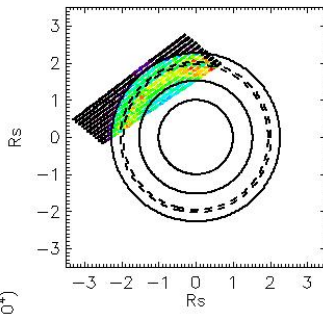




Observation Name:
 UVS_085RLTMAPS10LP001_CIRS
 Observation Date:
 2008_263_17_27_31
 Observation Duration:
 700 S
 Integration time = 100 S

S/C—Observation Point Distance (10^4)



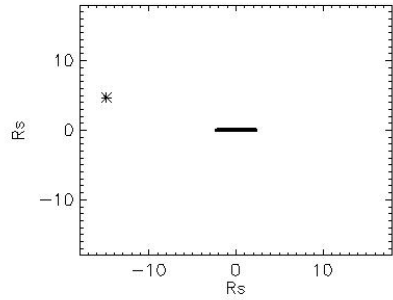
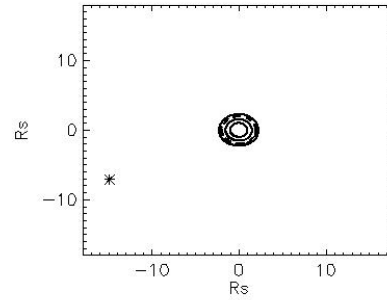
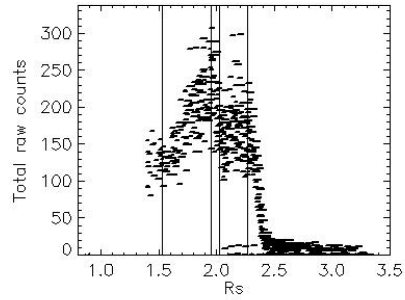
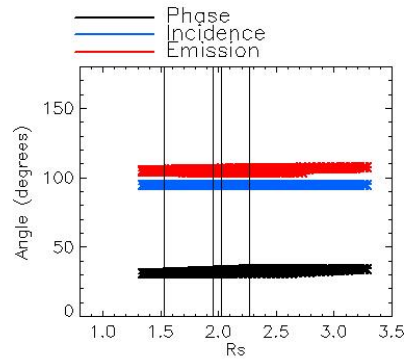
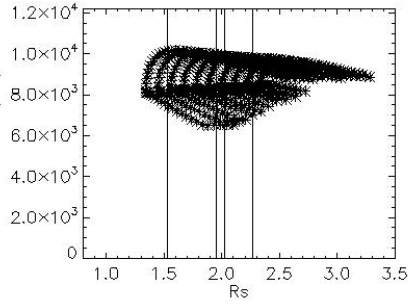
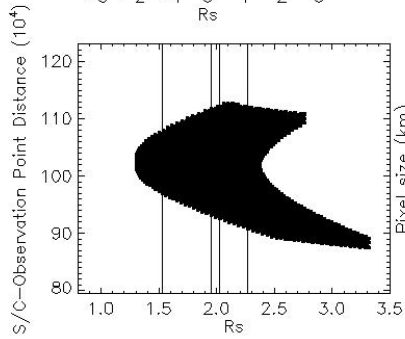


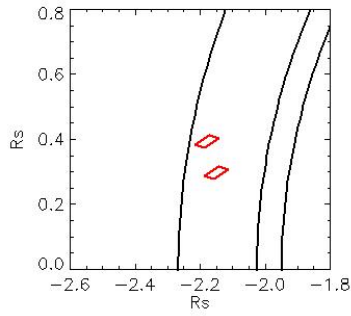
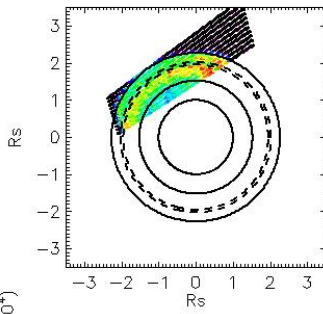
Observation Name:
UVIS_085RLTMAPS10LP001_CIRS

Observation Date:
2008_263_17_46_31

Observation Duration:
1000 S

Integration time = 100 S



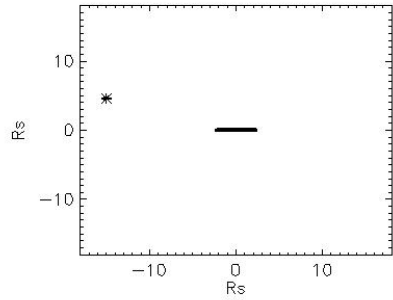
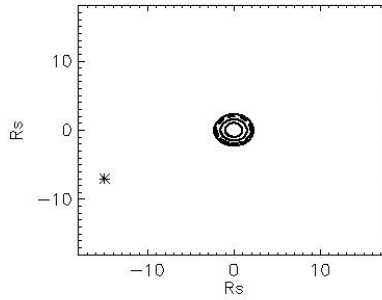
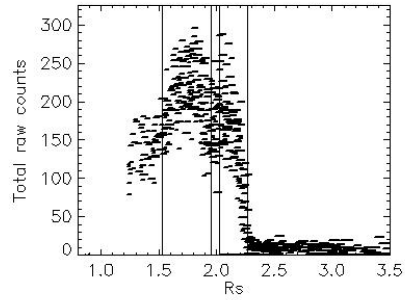
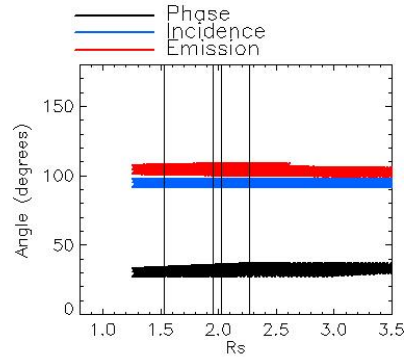
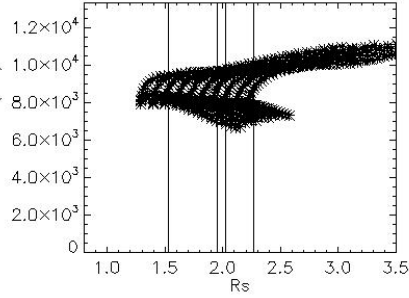
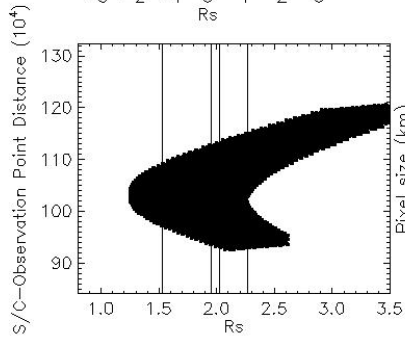


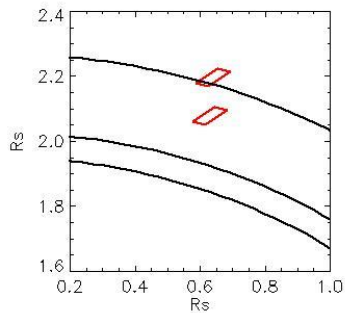
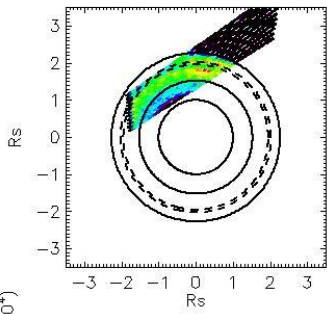
Observation Name:
UVIS_085RLTMAPS10LP001_CIRS

Observation Date:
2008_263_18_09_31

Observation Duration:
1000 S

Integration time = 100 S



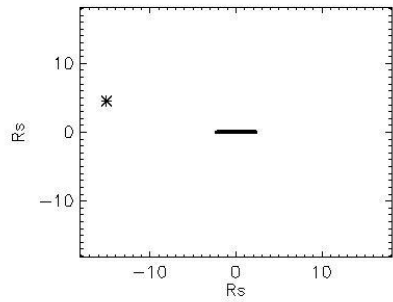
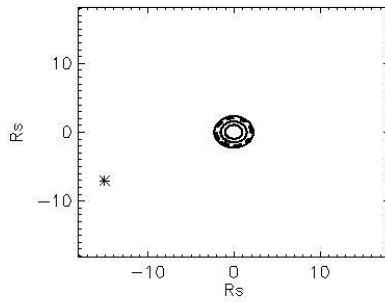
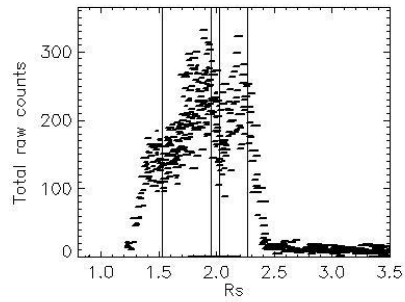
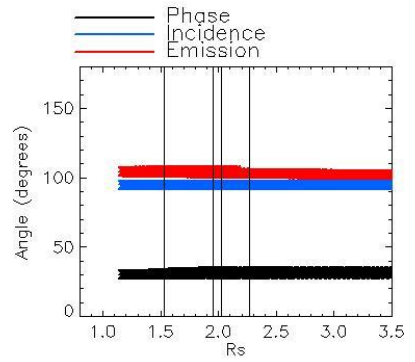
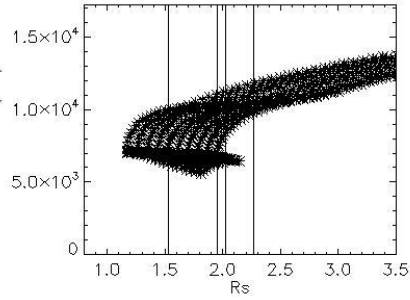
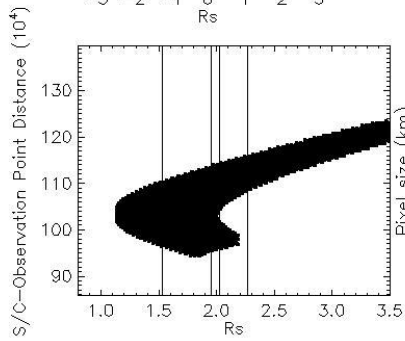


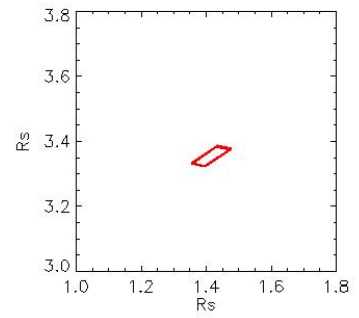
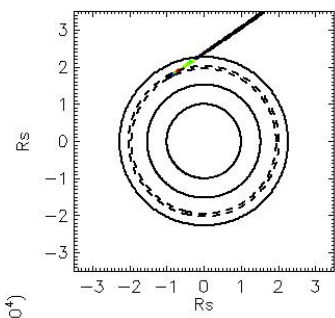
Observation Name:
UVS_085RLTMAPS10LP001_CIRS

Observation Date:
2008_263_18_32_31

Observation Duration:
1000 S

Integration time = 100 S





Observation Name:
 UVS_085RLTMAPS10LP001_CIRS
 Observation Date:
 2008_263_18_54_31
 Observation Duration:
 1000 S
 Integration time = 100 S

