

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.

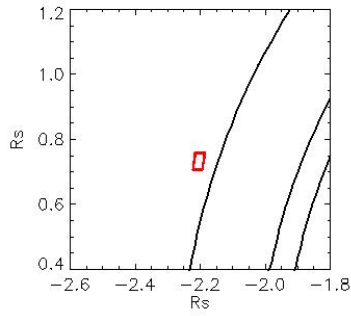
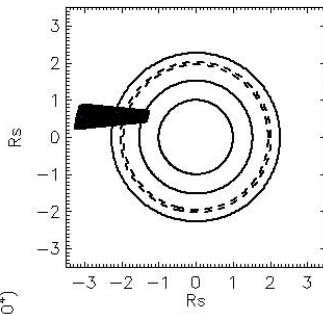
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.



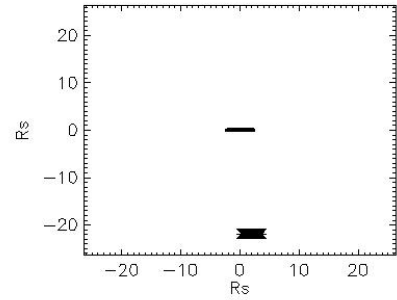
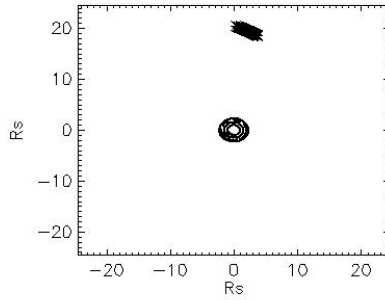
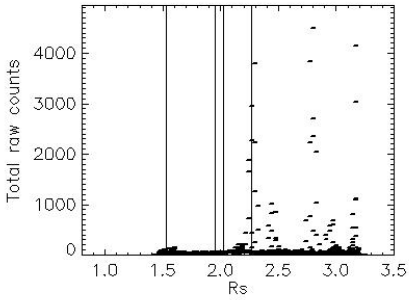
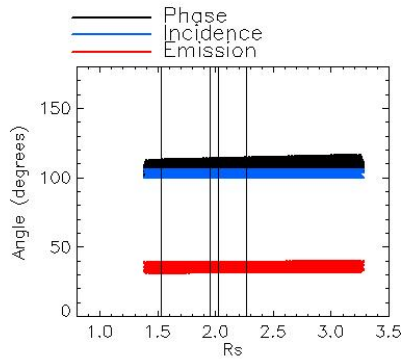
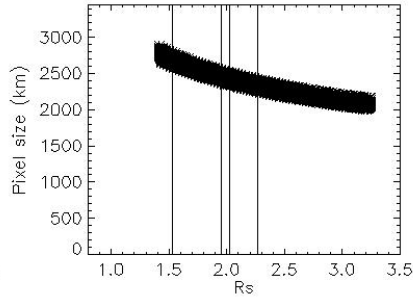
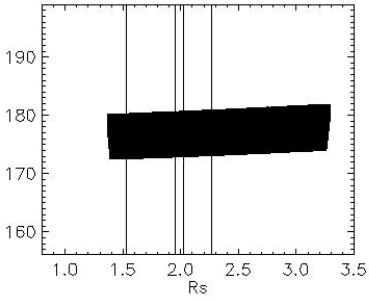
Observation Name:
UVIS_041RF_FMOVIE002_VIMS

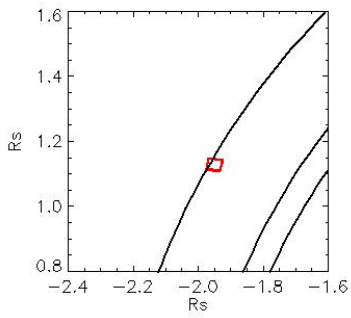
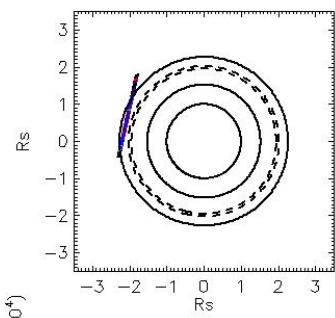
Observation Date:
2007_076_02_11_52

Observation Duration:
60600 S

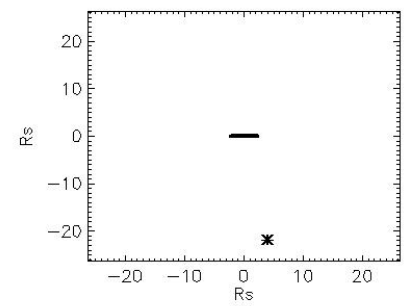
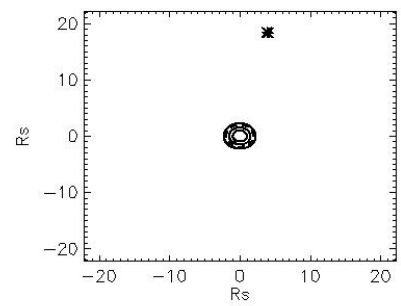
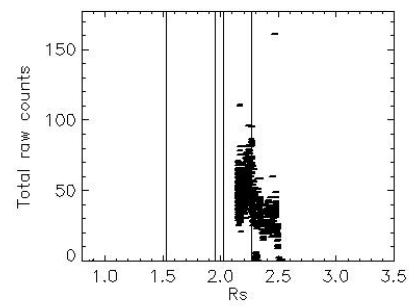
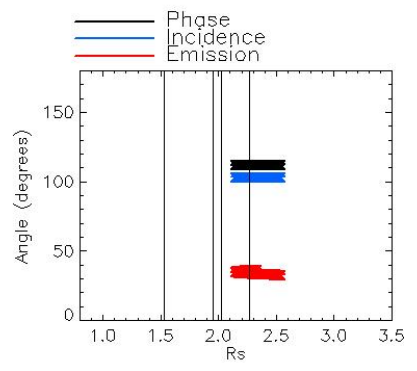
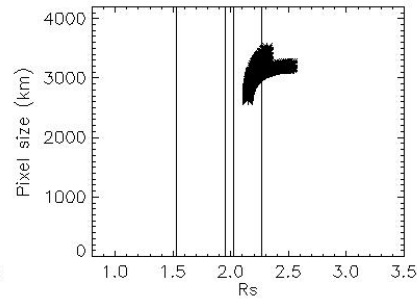
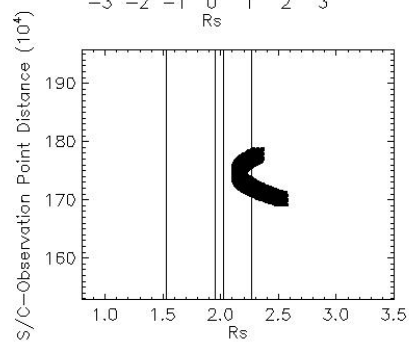
Integration time = 300 S

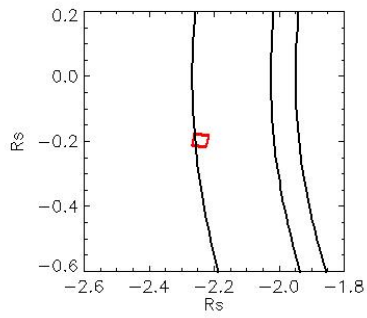
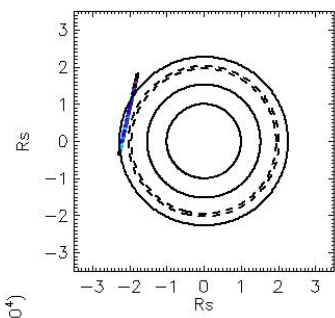
S/C—Observation Point Distance (10^4)



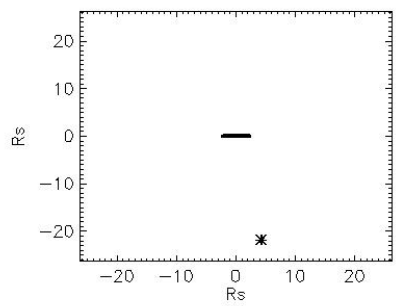
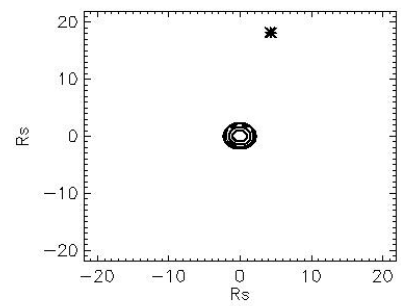
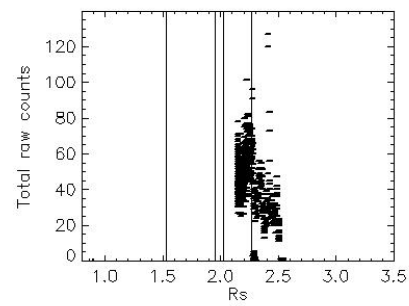
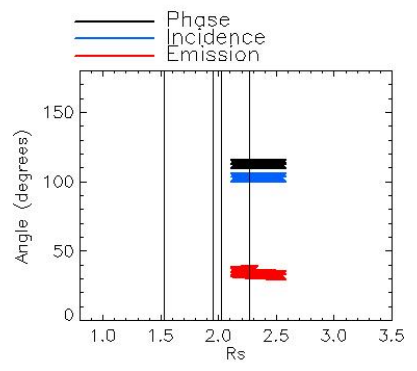
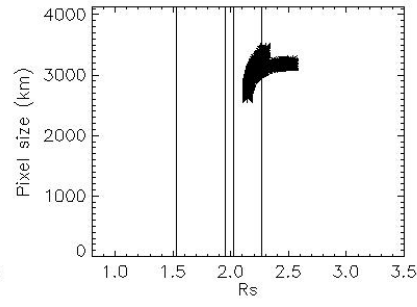
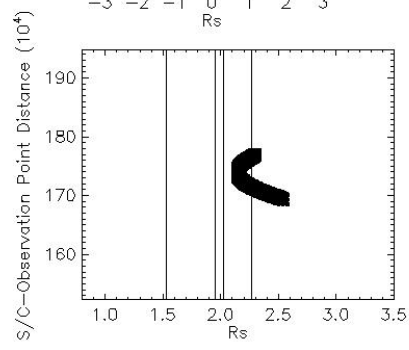


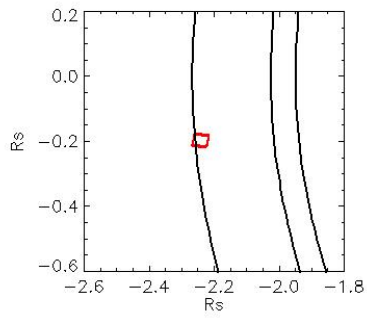
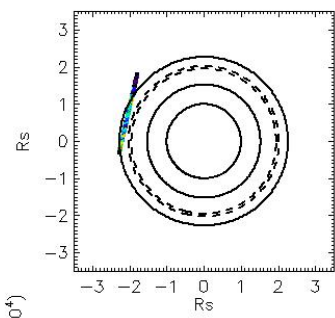
Observation Name:
UVIS_041RLFMONITOR01_CIRS
Observation Date:
2007_076_19_33_51
Observation Duration:
5100 S
Integration time = 300 S





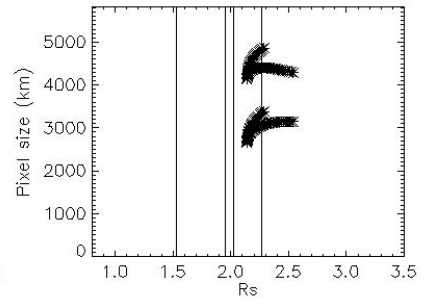
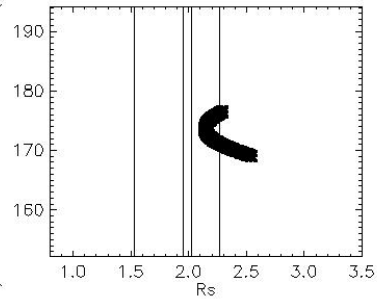
Observation Name:
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Observation Date:
2007_076_21_31_51
Observation Duration:
3600 S
Integration time = 300 S



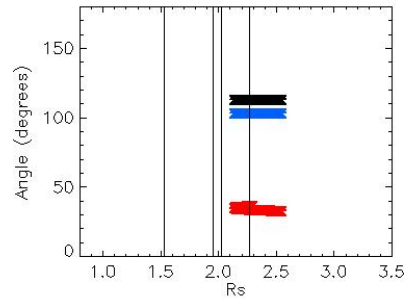


Observation Name:
 UVS_041RLFMONITOR01_CIRS
 Observation Date:
 2007_076_22_47_35
 Observation Duration:
 600 S
 Integration time = 300 S

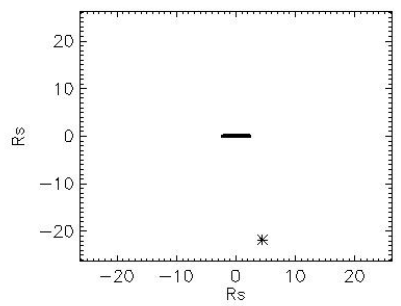
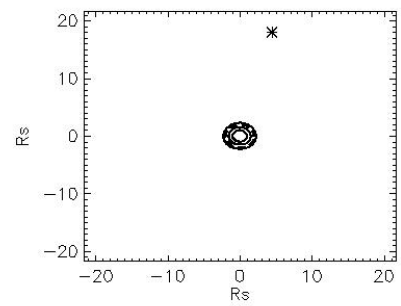
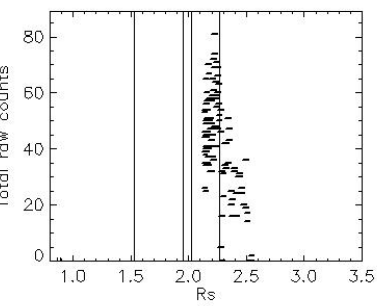
S/C—Observation Point Distance (10^4)

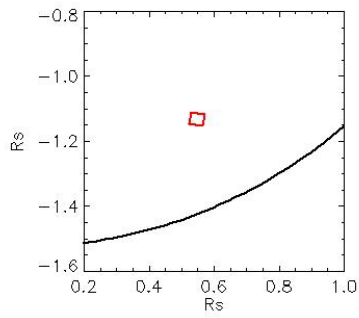
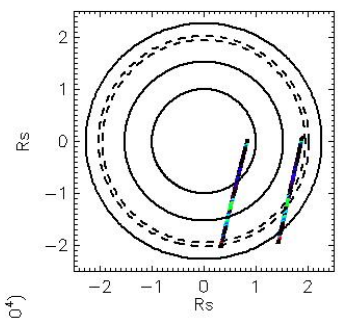


— Phase
 — Incidence
 — Emission

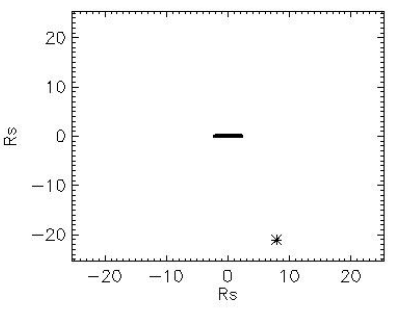
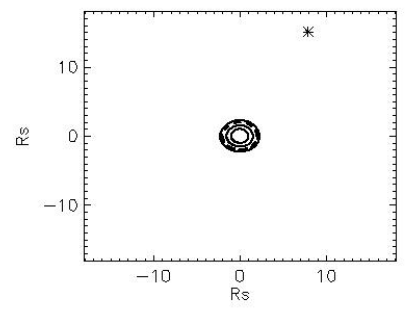
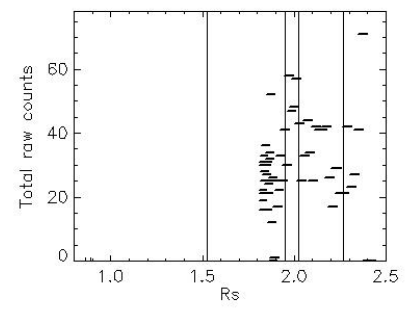
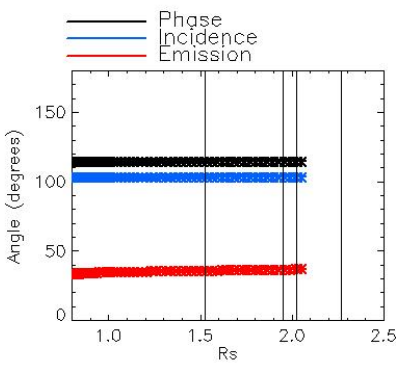
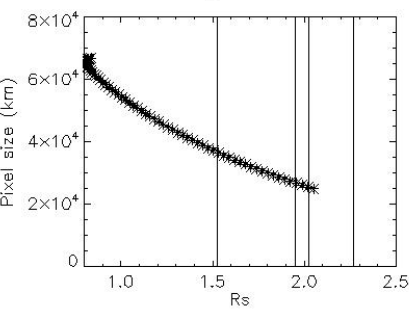
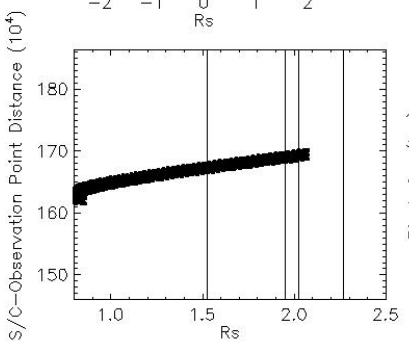


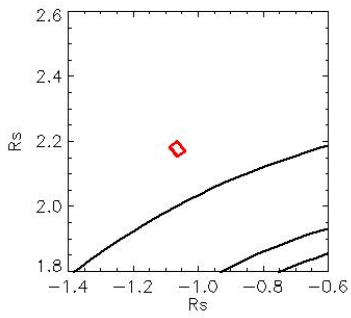
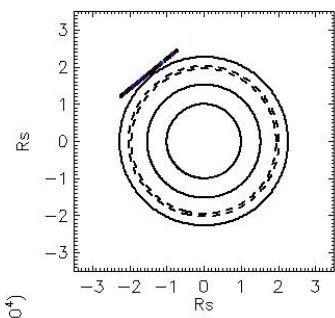
Total raw counts





Observation Name:
 UVS_041RLSHADBOUND001_ISS
 Observation Date:
 2007_077_17_15_45
 Observation Duration:
 300 S
 Integration time = 300 S



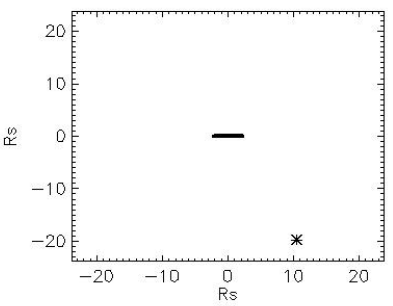
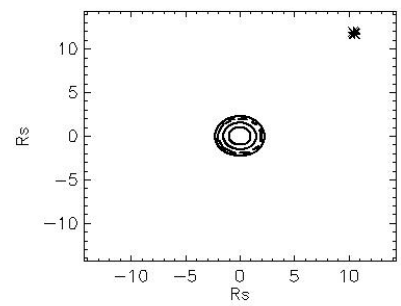
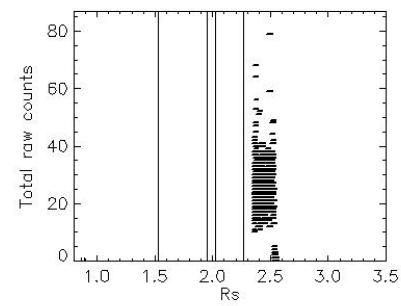
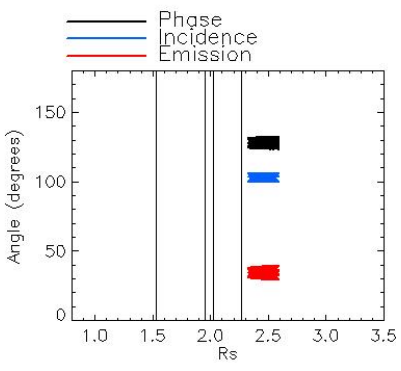
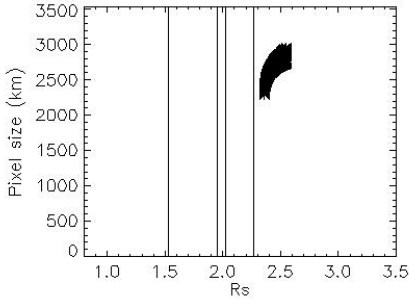
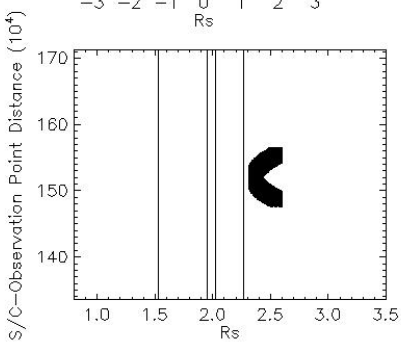


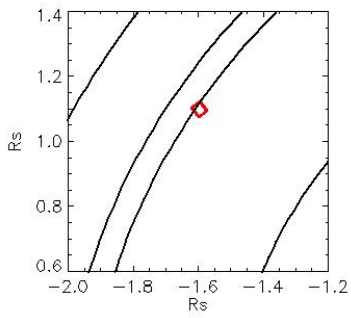
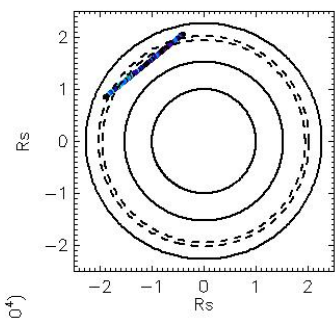
Observation Name:
UMS_041RLLATPHASE001_VIMS

Observation Date:
2007_078_09_14_52

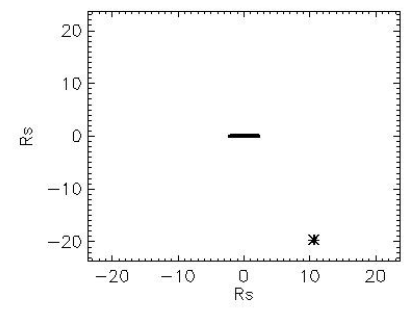
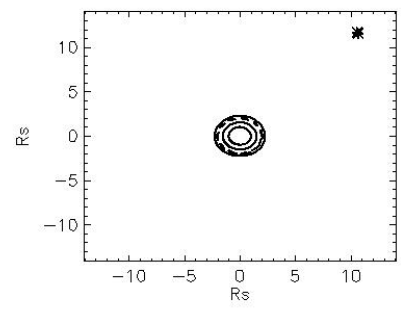
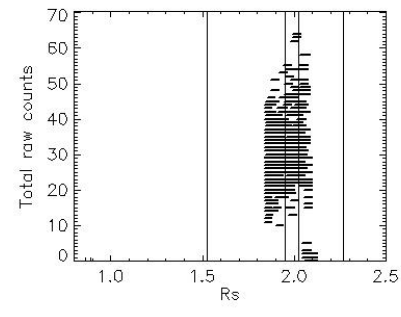
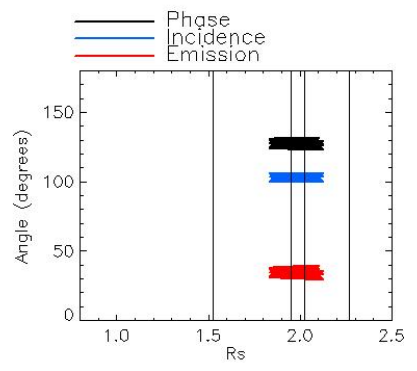
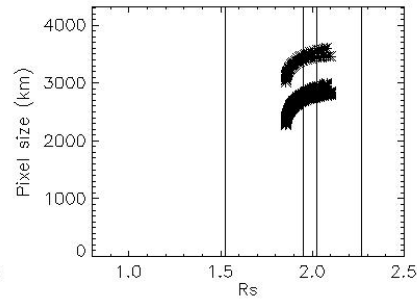
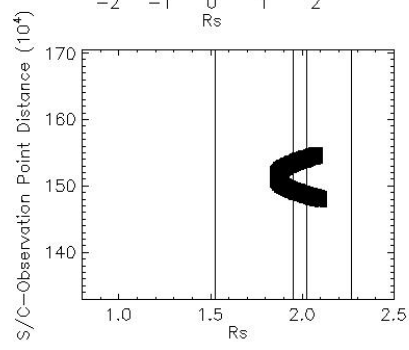
Observation Duration:
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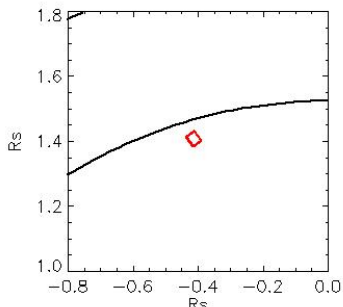
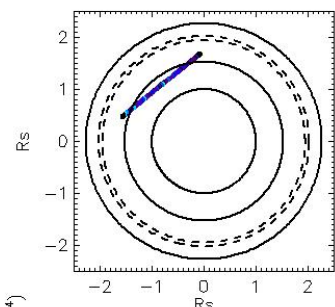
Integration time = 300 S



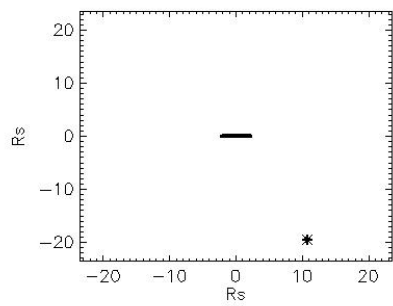
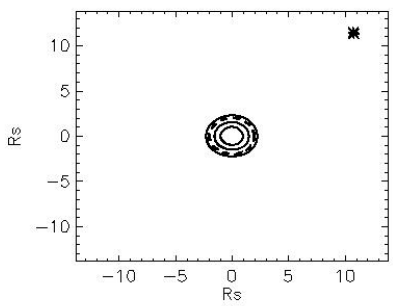
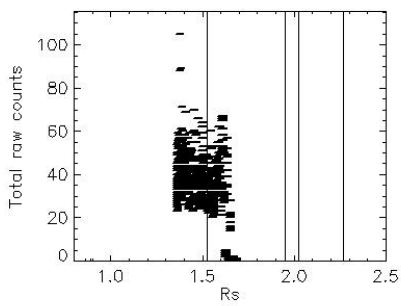
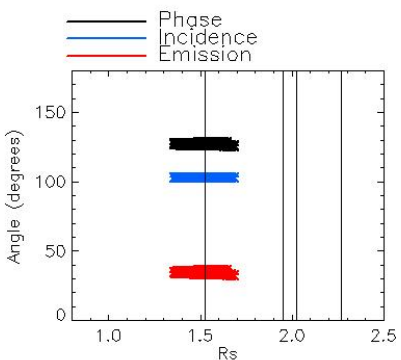
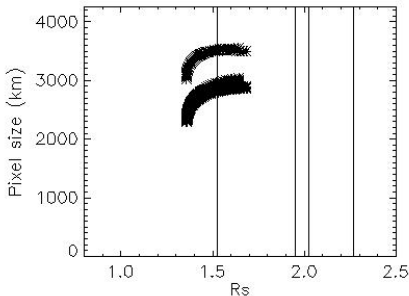
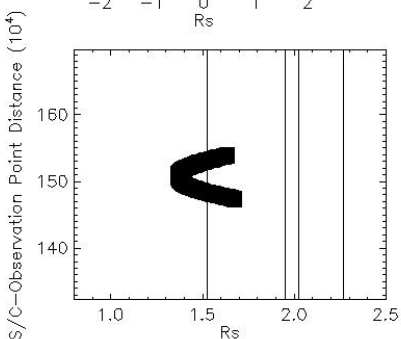


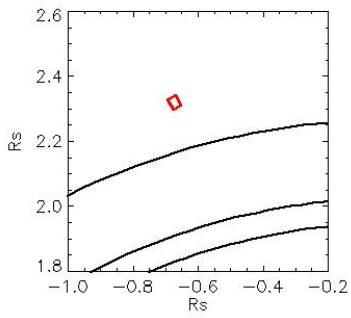
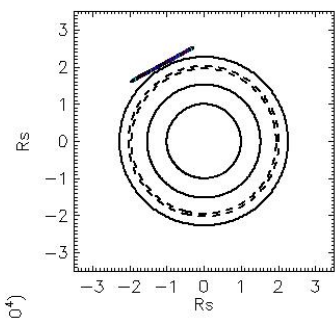
Observation Name:
 UVS_041RLLATPHASE001_VIMS
 Observation Date:
 2007_078_10_16_00
 Observation Duration:
 3600 S
 Integration time = 300 S



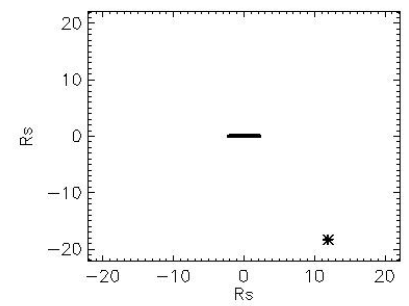
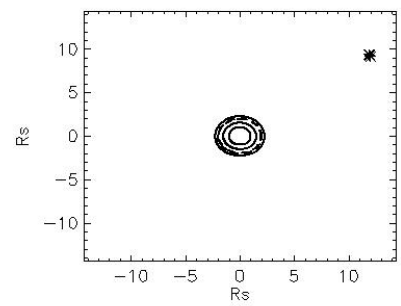
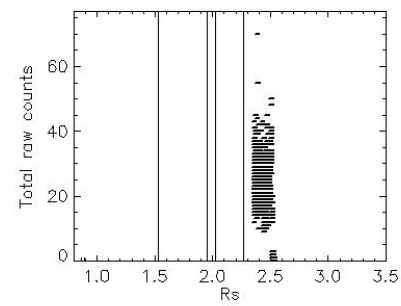
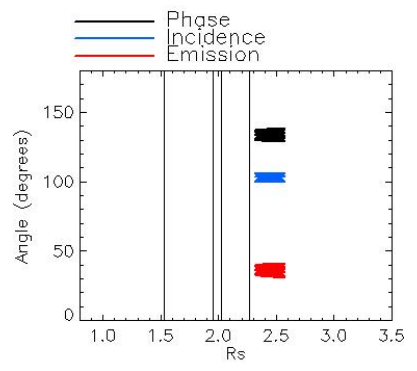
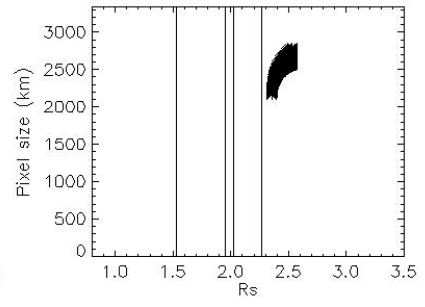
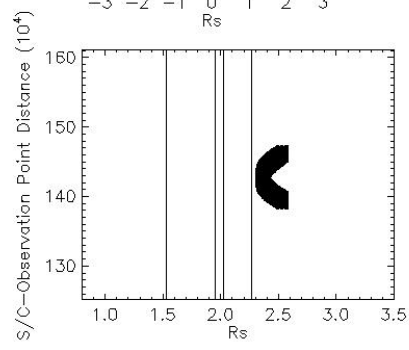


Observation Name:
 UVS_041RLLATPHASE01_VIMS
 Observation Date:
 2007_078_11_17_08
 Observation Duration:
 3600 S
 Integration time = 300 S

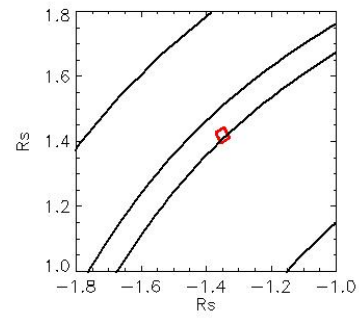
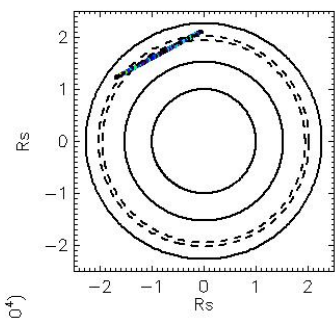




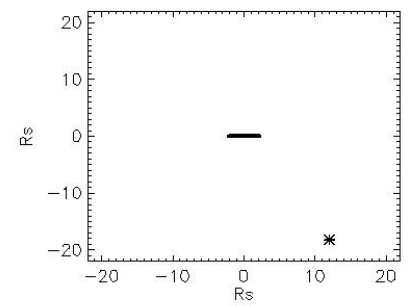
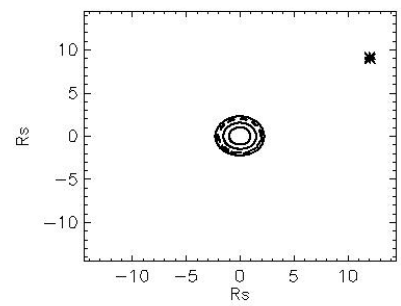
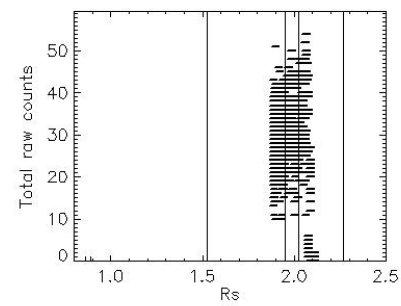
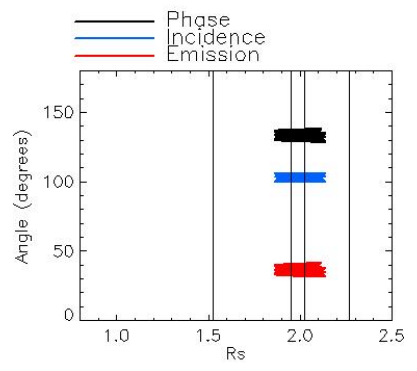
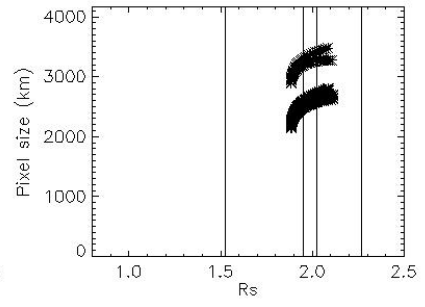
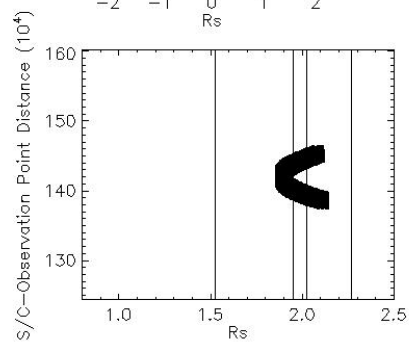
Observation Name:
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Observation Date:
2007_078_20_59_52
Observation Duration:
3600 S
Integration time = 300 S



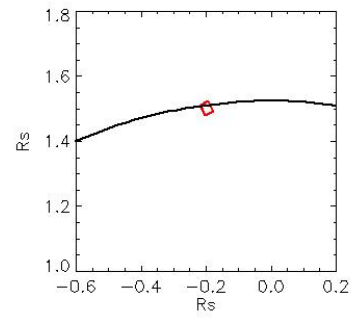
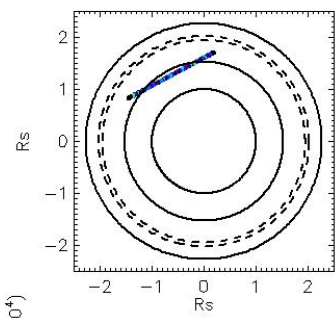
— Phase
— Incidence
— Emission



Observation Name:
UVIS_041RLLATPHASE002_VIMS
Observation Date:
2007_078_22_01_00
Observation Duration:
3600 S
Integration time = 300 S



— Phase
— Incidence
— Emission



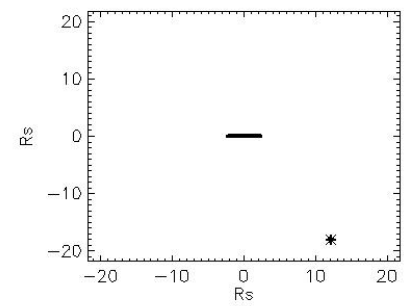
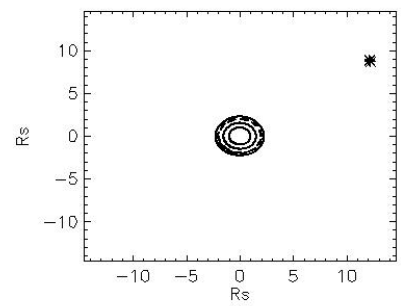
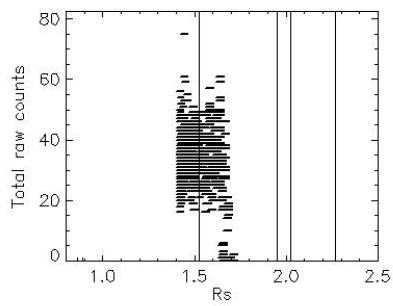
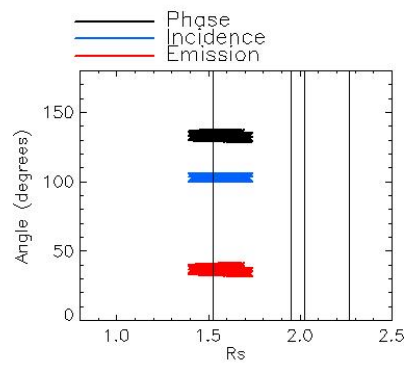
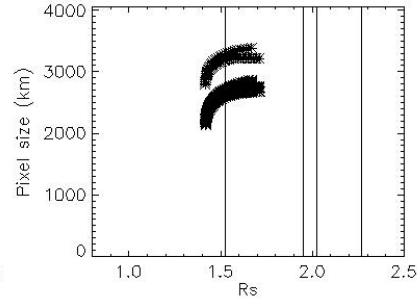
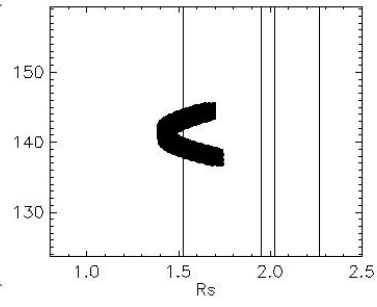
Observation Name:
UVIS_041RLLATPHASE002_VIMS

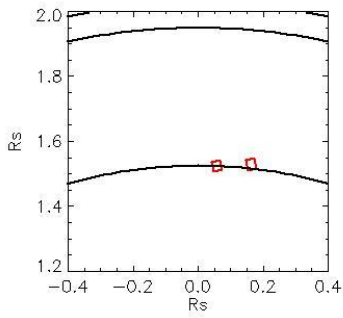
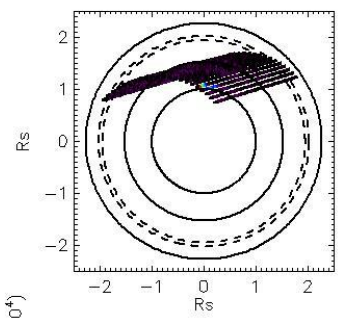
Observation Date:
2007_078_23_02_08

Observation Duration:
3600 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



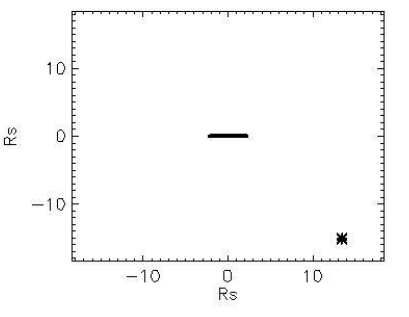
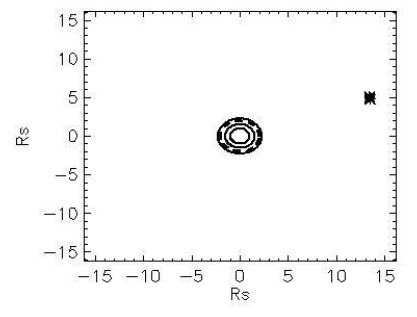
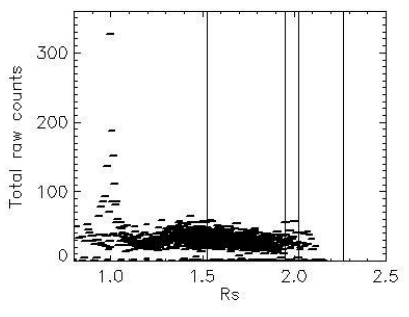
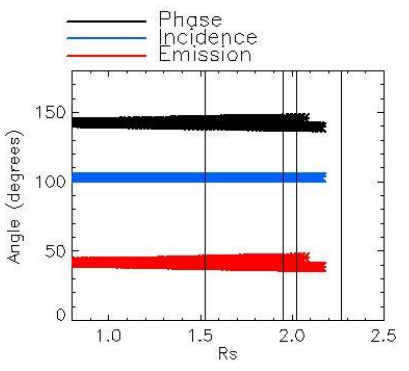
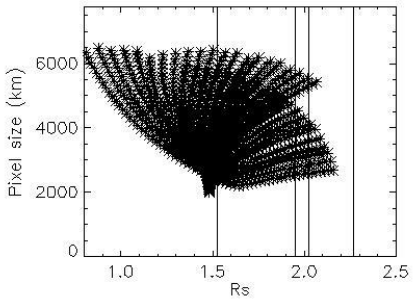
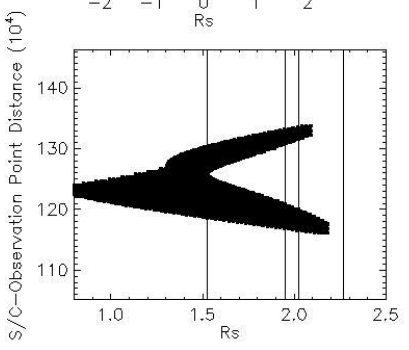


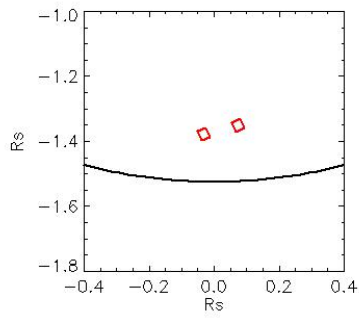
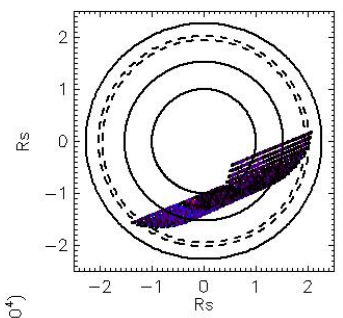
Observation Name:
UMS_041RC_VERTULHP001_CIRS

Observation Date:
2007_079_15_39_51

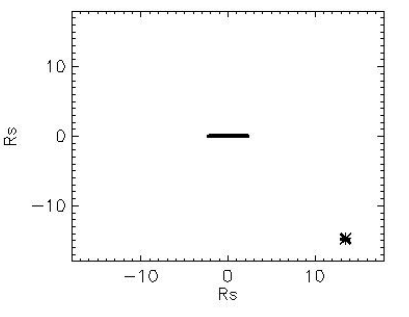
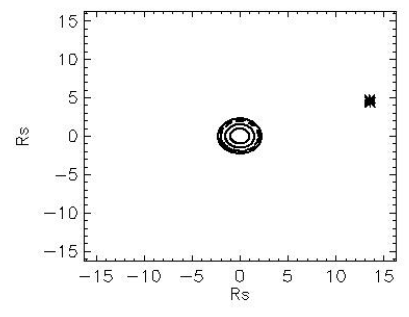
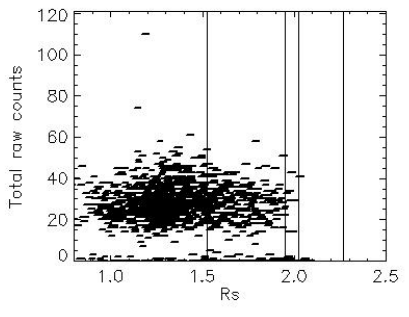
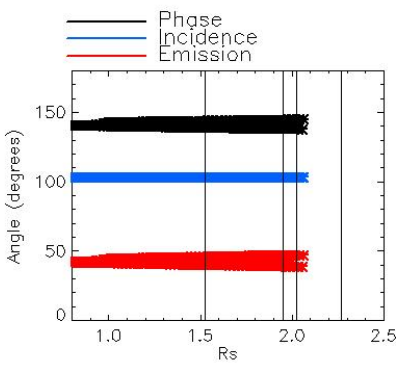
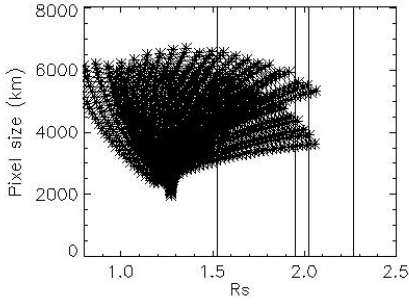
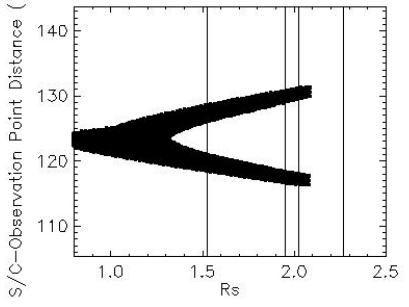
Observation Duration:
6300 S

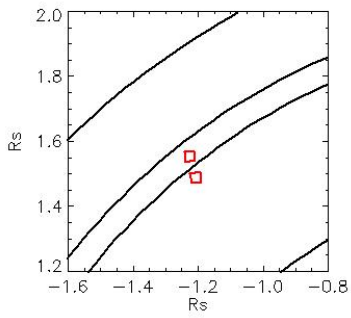
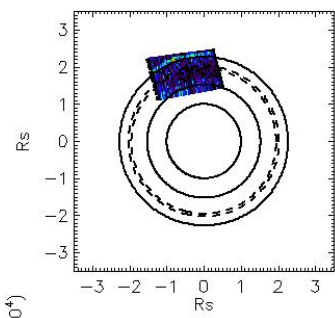
Integration time = 300 S



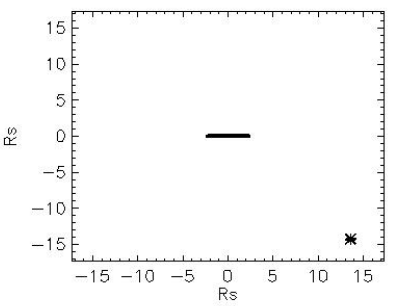
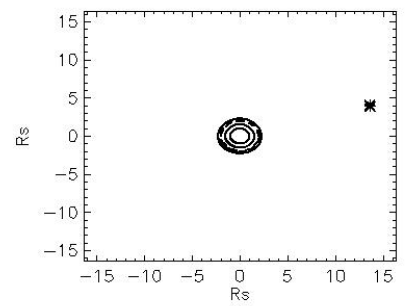
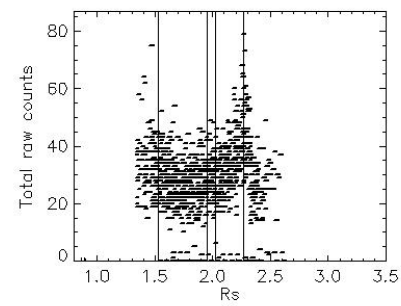
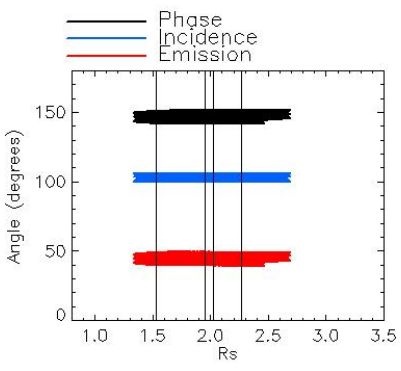
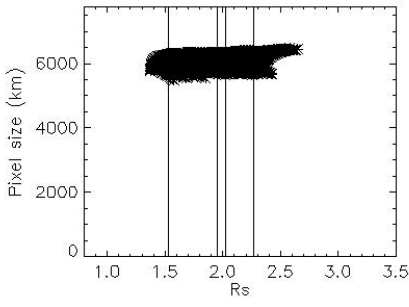
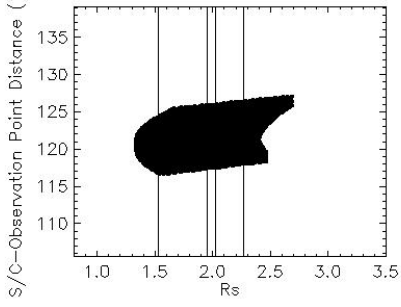


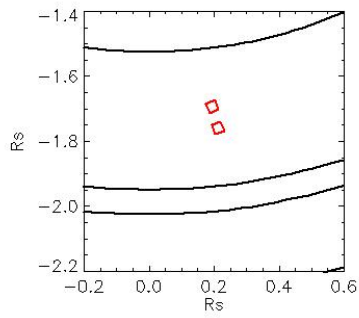
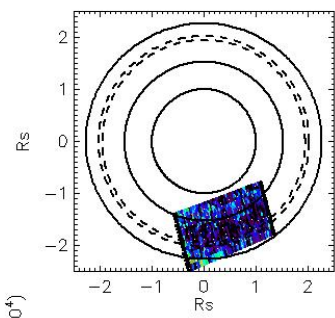
Observation Name:
 UVS_041RC_VERTULHP001_CIRS
 Observation Date:
 2007_079_17_29_51
 Observation Duration:
 6600 S
 Integration time = 300 S





Observation Name:
 UVS_041RLTEMPU45HP001_CIRS
 Observation Date:
 2007_079_20_04_51
 Observation Duration:
 4800 S
 Integration time = 300 S



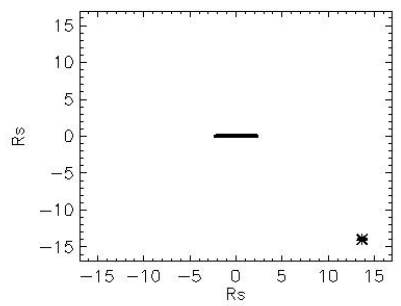
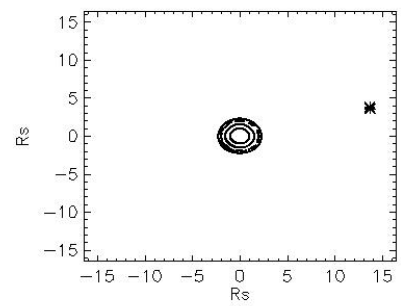
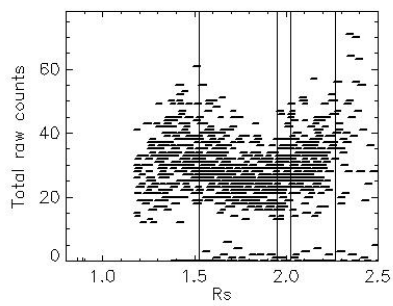
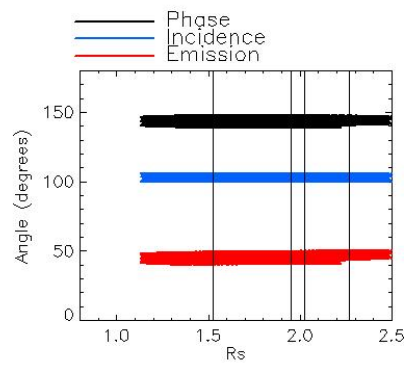
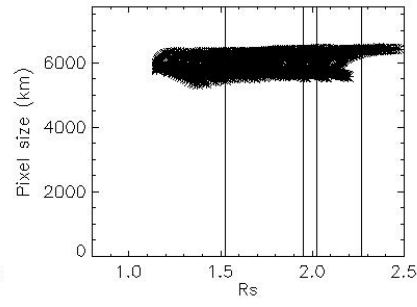
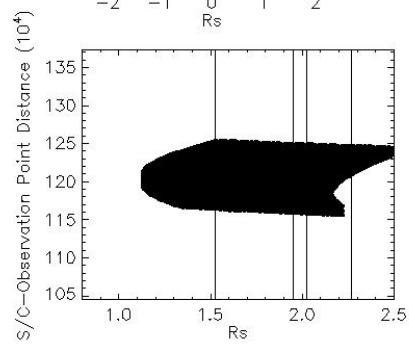


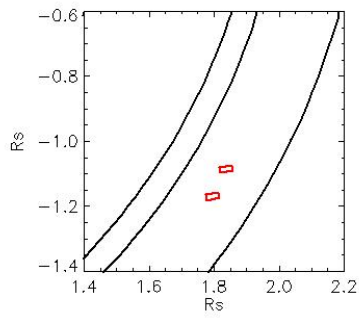
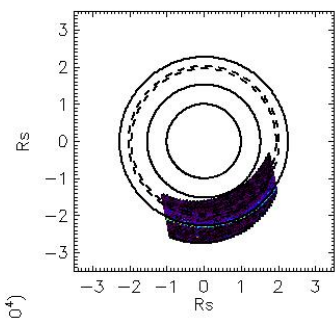
Observation Name:
UVS_041RLTEMPU45HP001_CIRS

Observation Date:
2007_079_21_34_51

Observation Duration:
4800 S

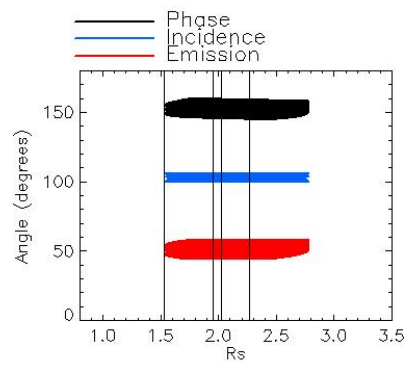
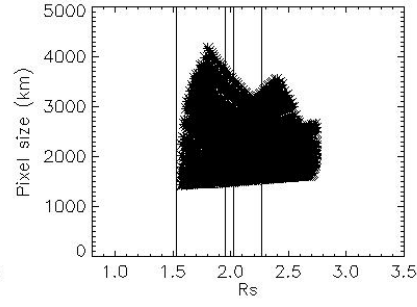
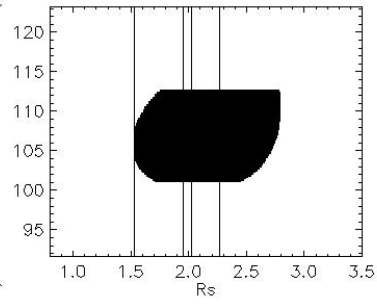
Integration time = 300 S



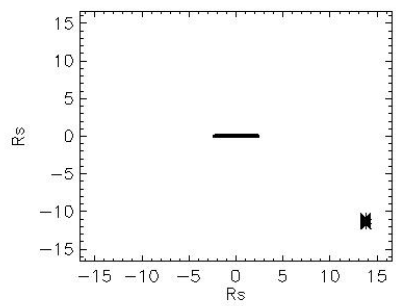
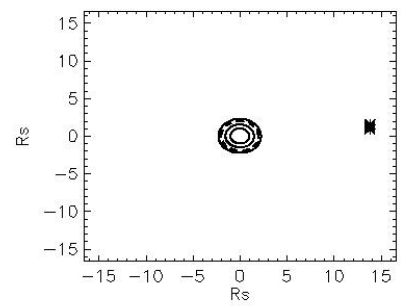
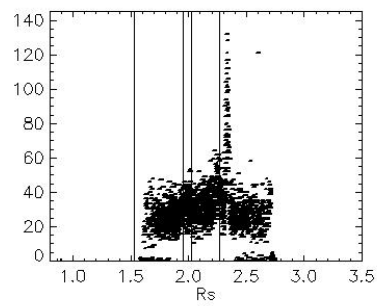


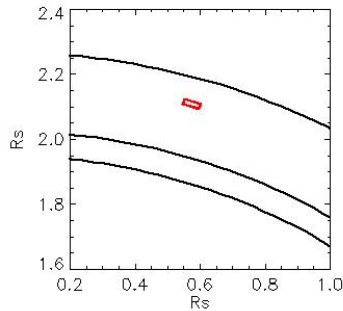
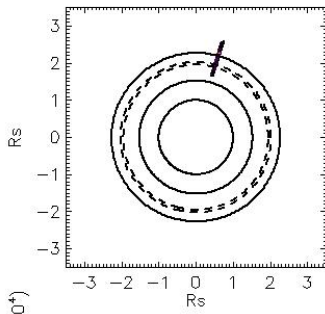
Observation Name:
 UVS_041RA_VERTULHP001_CIRS
 Observation Date:
 2007_080_07_39_51
 Observation Duration:
 10800 S
 Integration time = 300 S

S/C—Observation Point Distance (10^4)



Total raw counts



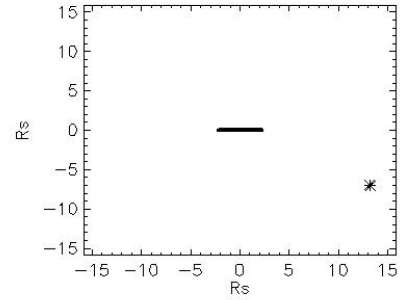
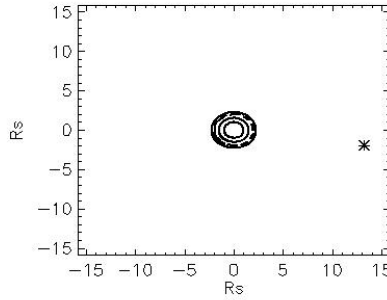
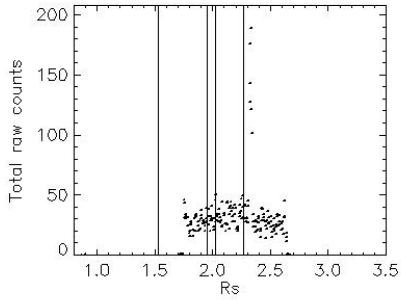
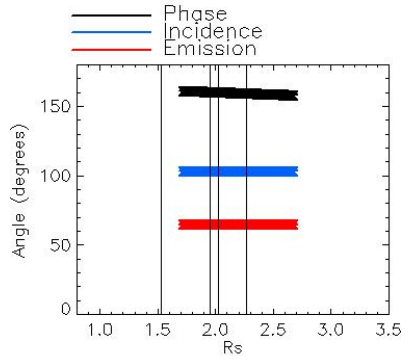
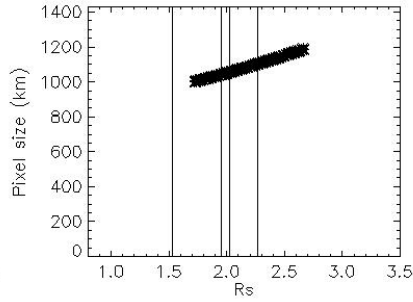
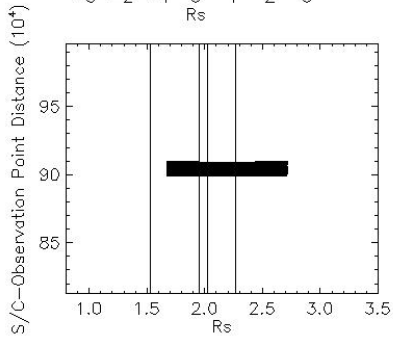


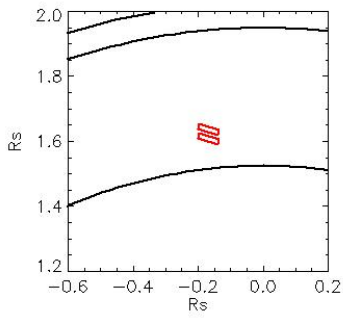
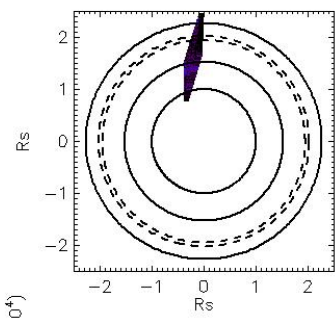
Observation Name:
UVS_041RLSUBMU25HP001_CIRS

Observation Date:
2007_080_23_09_52

Observation Duration:
900 S

Integration time = 300 S





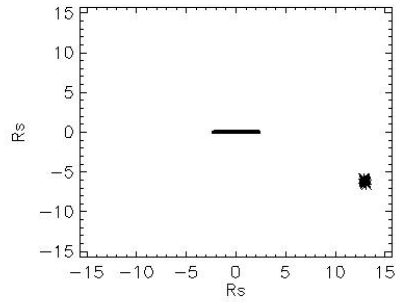
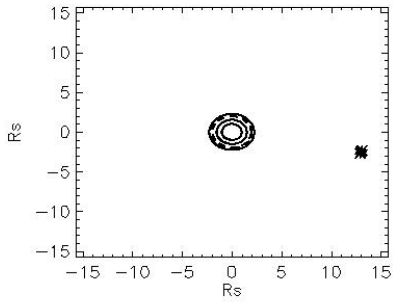
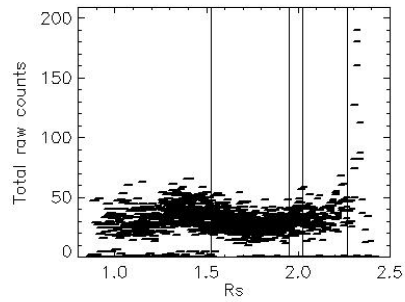
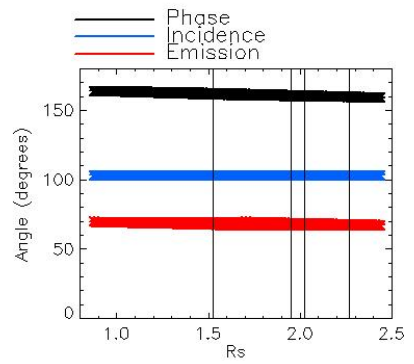
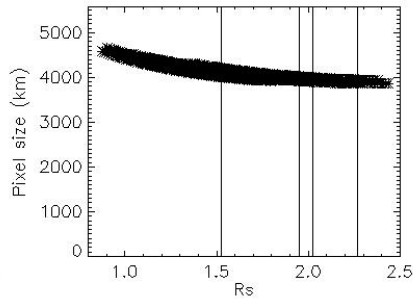
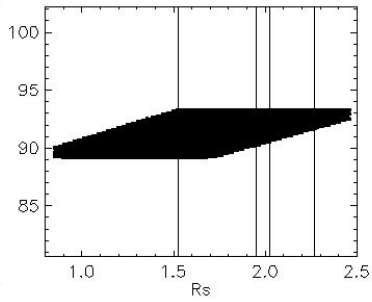
Observation Name:
UVS_041RLSUBMU25HP001_CIRS

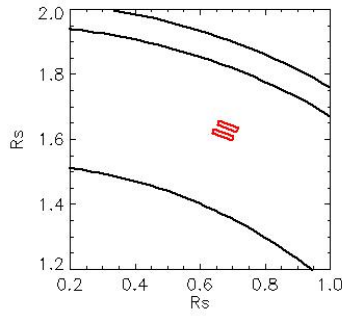
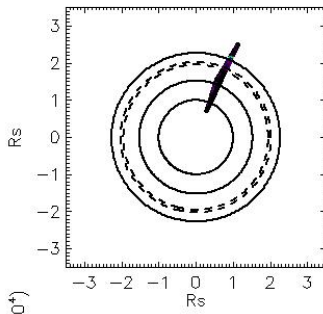
Observation Date:
2007_081_00_34_52

Observation Duration:
7800 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



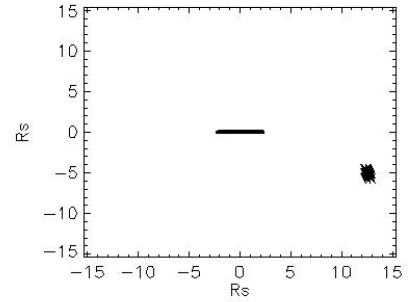
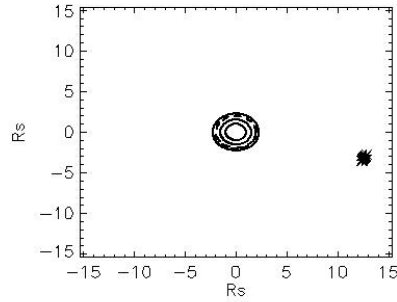
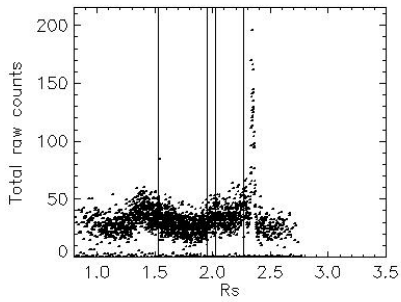
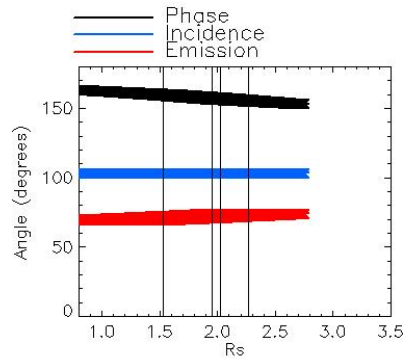
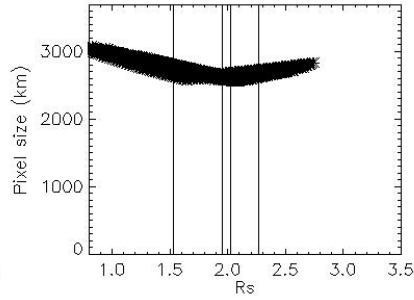
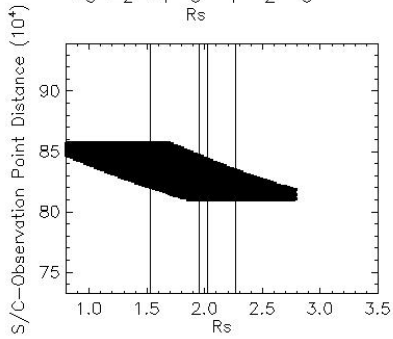


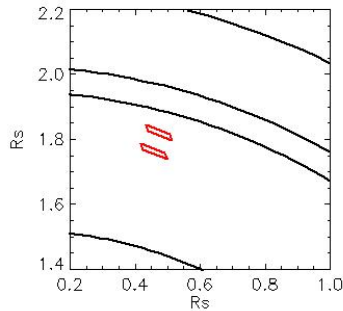
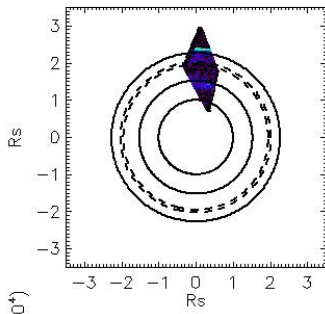
Observation Name:
UVS_041RLSUBMU25HP001_CIRS

Observation Date:
2007_081_03_13_52

Observation Duration:
11700 S

Integration time = 300 S



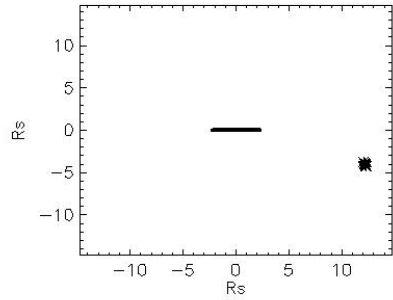
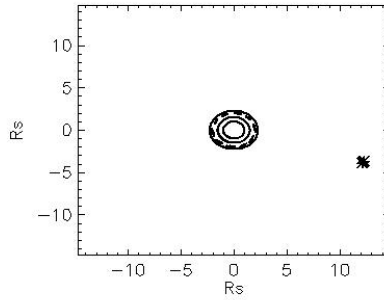
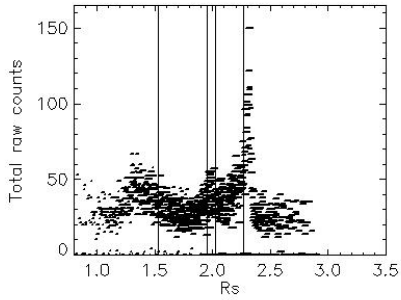
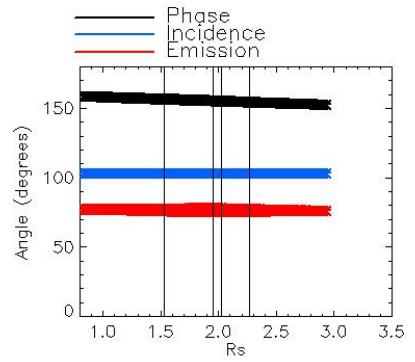
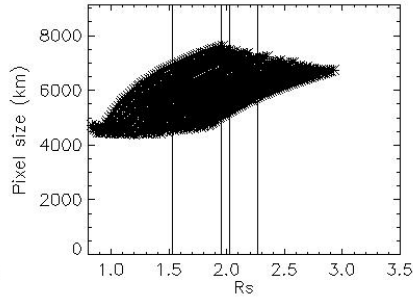
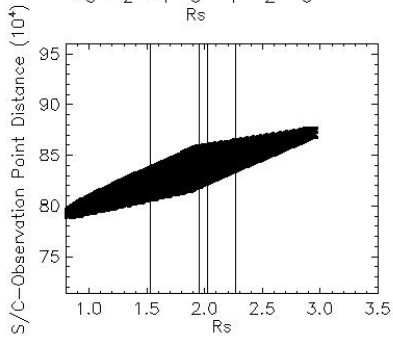


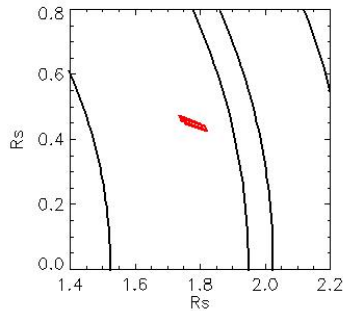
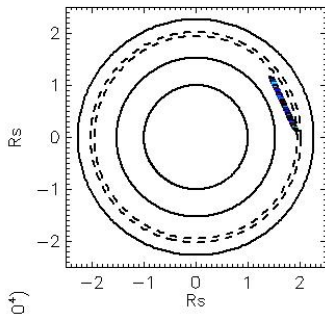
Observation Name:
UMS_041RLTEMPU15HP001_CIRS

Observation Date:
2007_081_07_05_51

Observation Duration:
5400 S

Integration time = 300 S



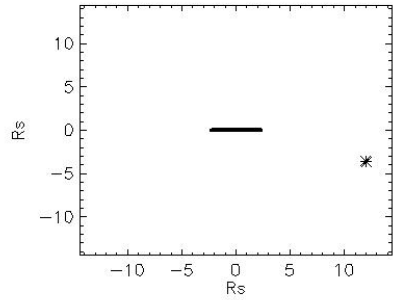
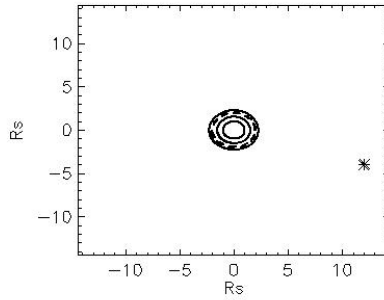
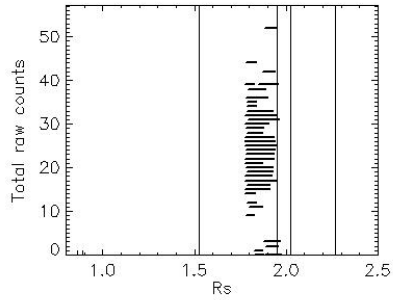
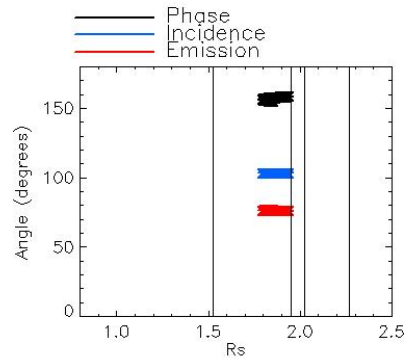
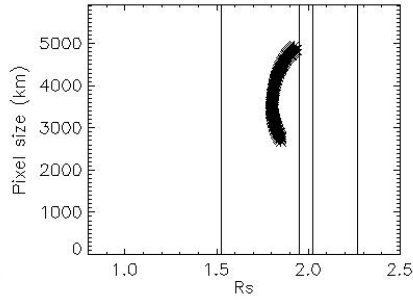
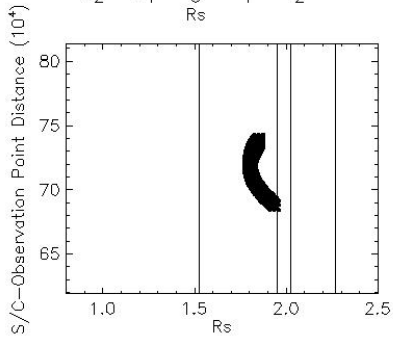


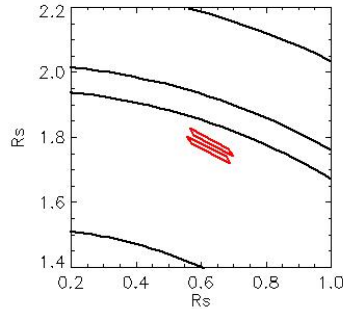
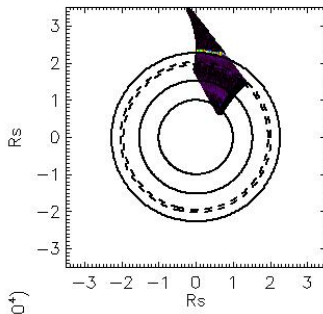
Observation Name:
UMS_041RLTEMPU15HP001_CIRS

Observation Date:
2007_081_08_44_51

Observation Duration:
900 S

Integration time = 300 S



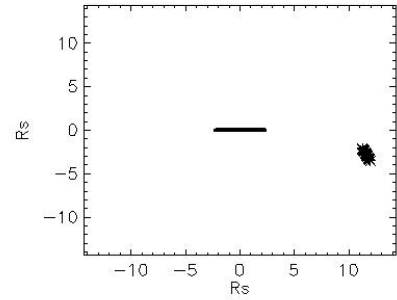
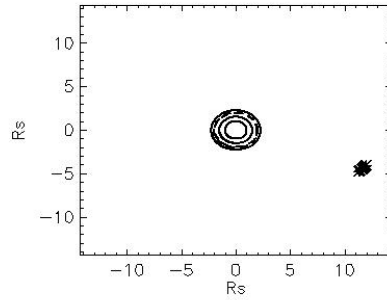
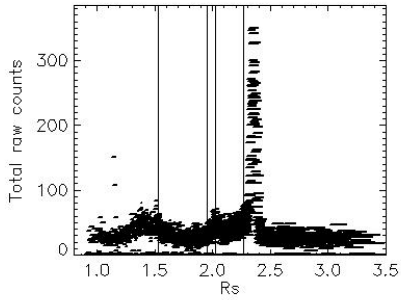
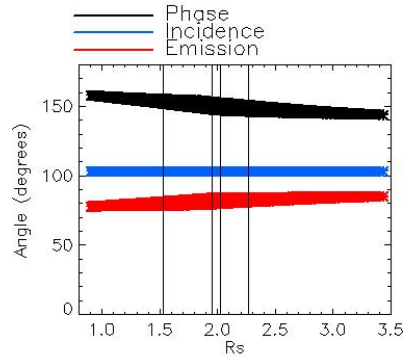
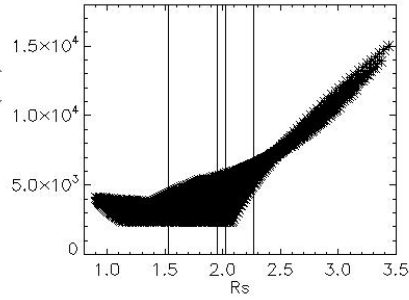
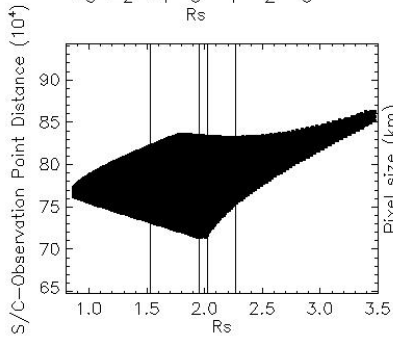


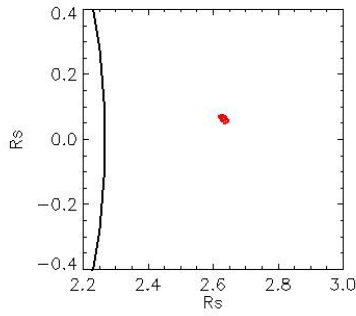
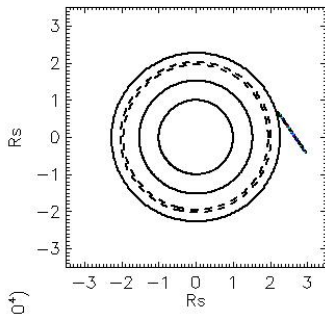
Observation Name:
UVS_041RLSUBMU10HP001_CIRS

Observation Date:
2007_081_09_07_11

Observation Duration:
13500 S

Integration time = 300 S



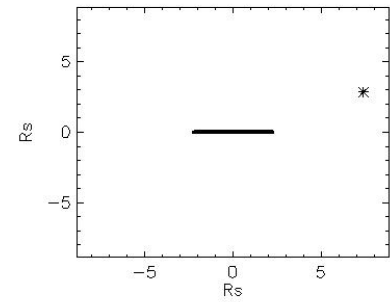
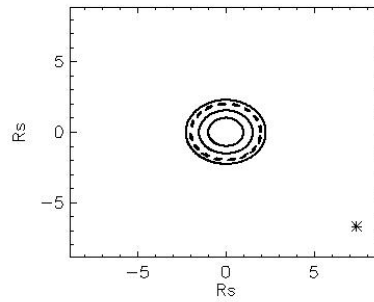
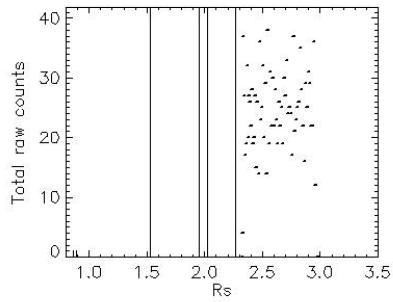
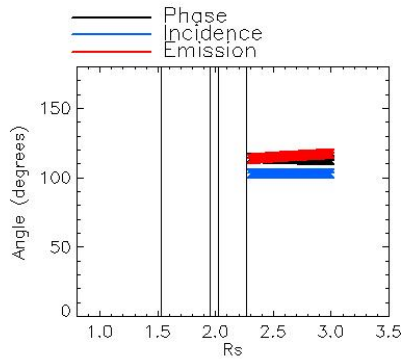
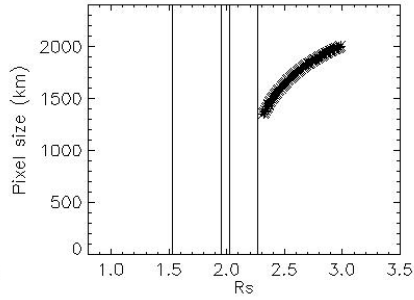
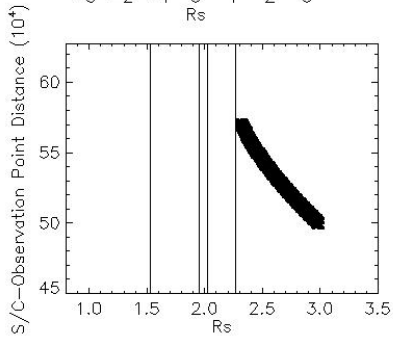


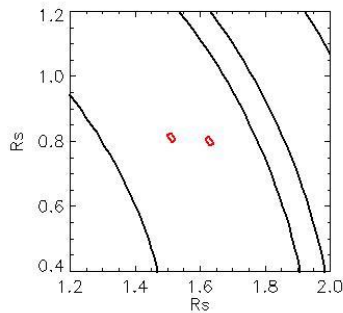
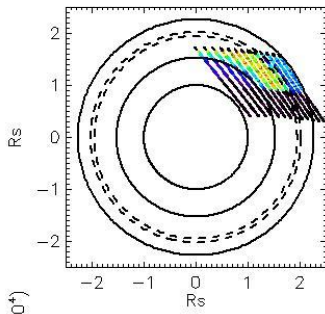
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_01_29_51

Observation Duration:
300 S

Integration time = 300 S



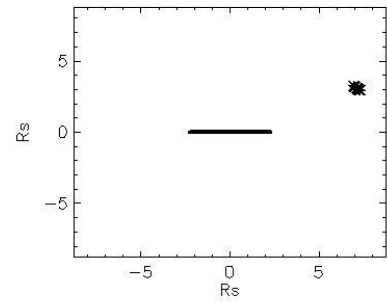
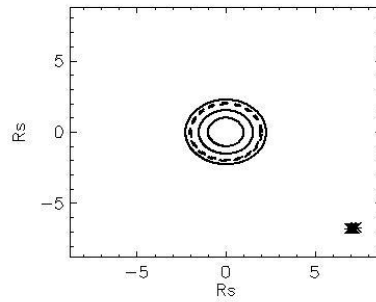
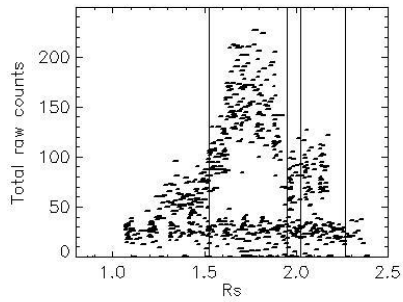
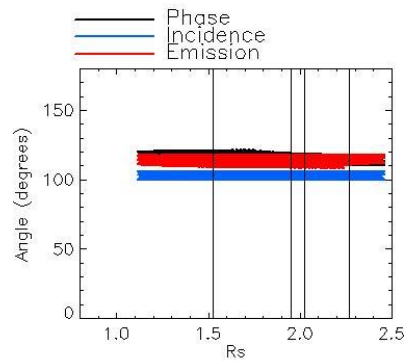
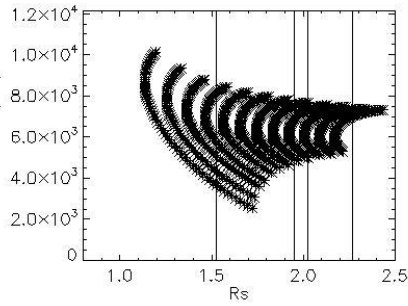
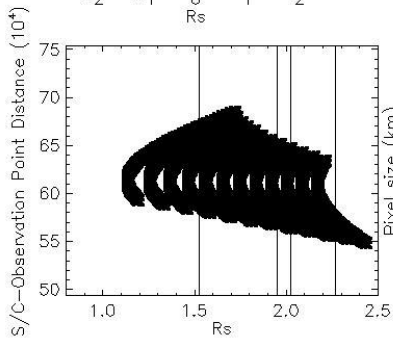


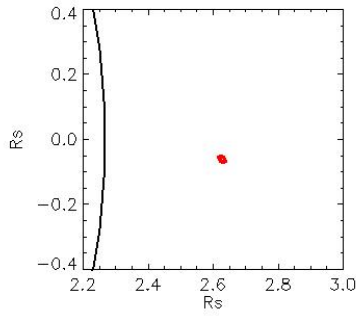
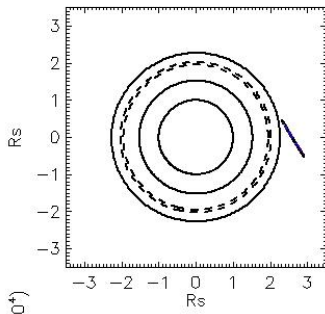
Observation Name:
UMS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_01_40_51

Observation Duration:
3600 S

Integration time = 300 S



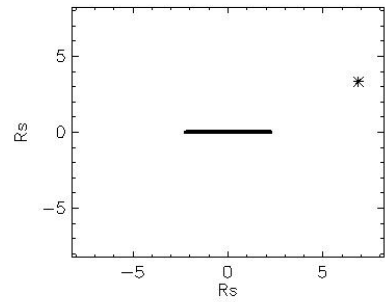
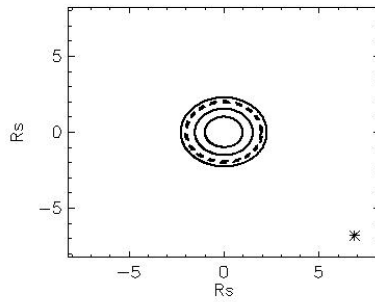
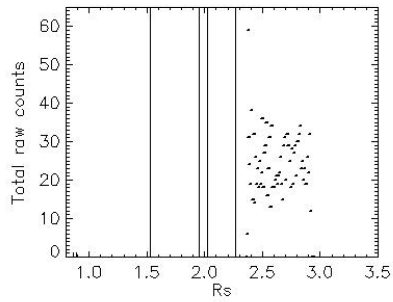
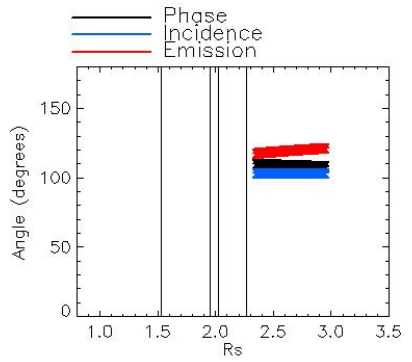
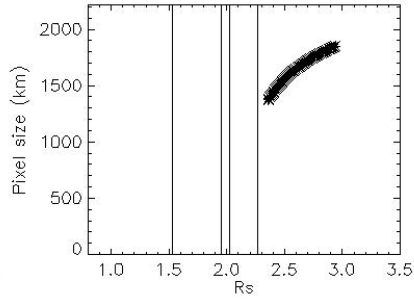
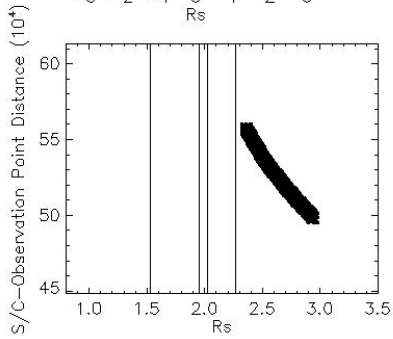


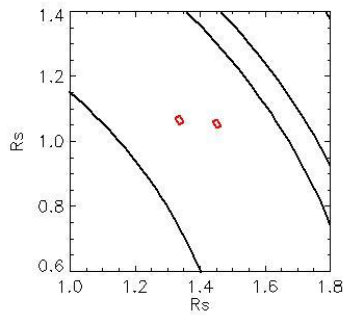
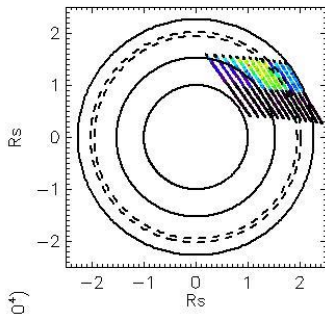
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_02_46_51

Observation Duration:
300 S

Integration time = 300 S



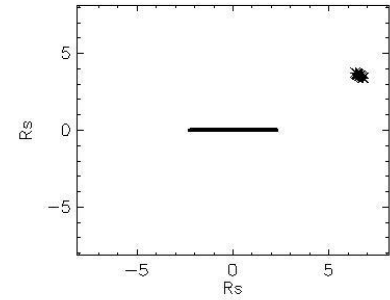
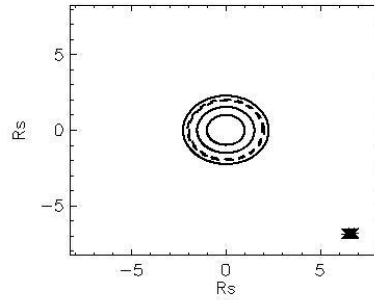
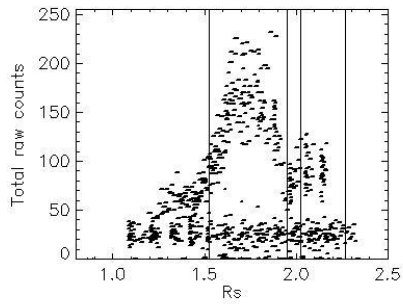
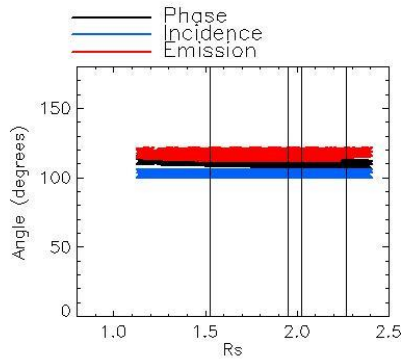
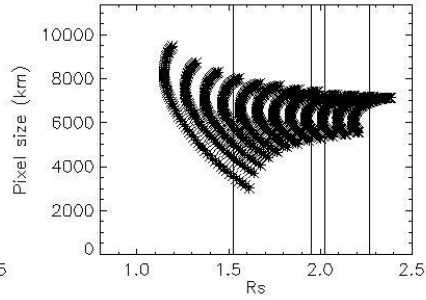
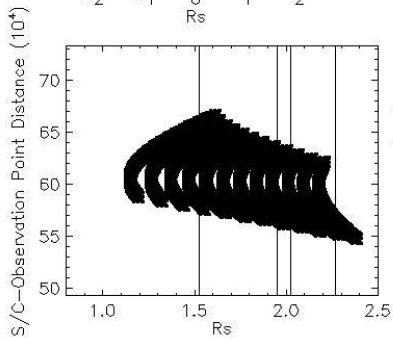


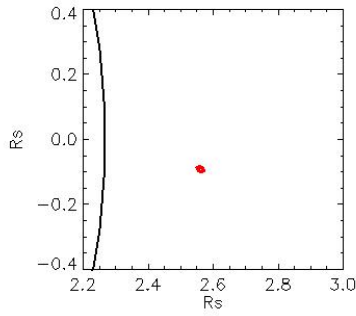
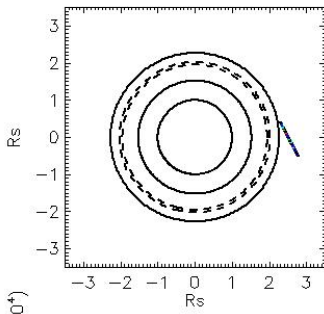
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_02_57_51

Observation Duration:
3600 S

Integration time = 300 S



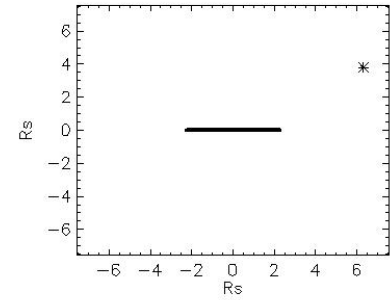
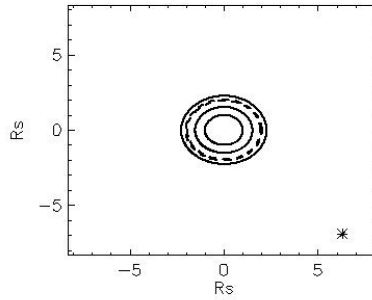
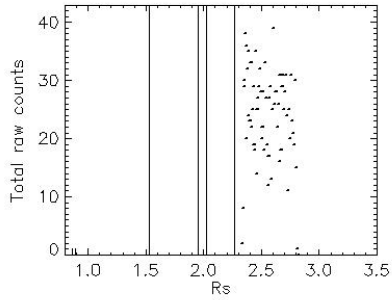
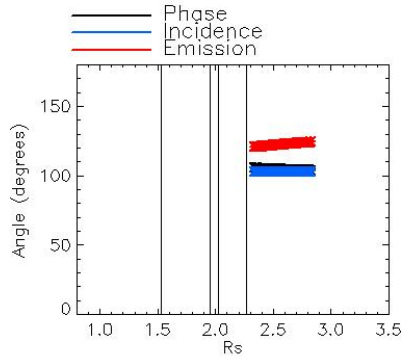
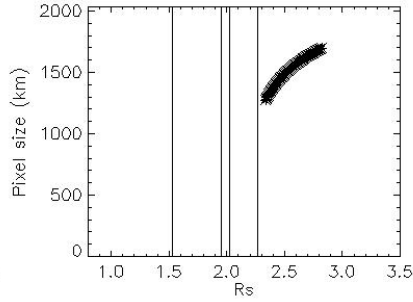
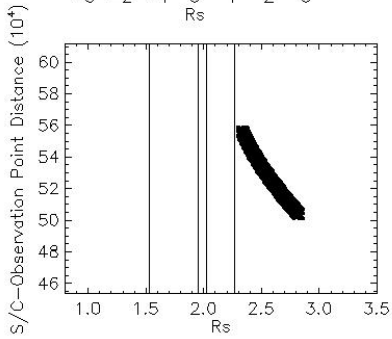


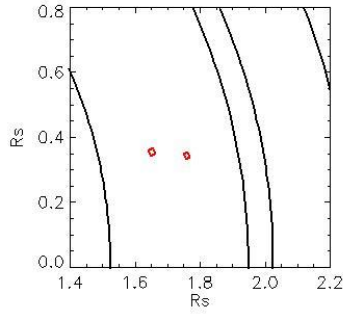
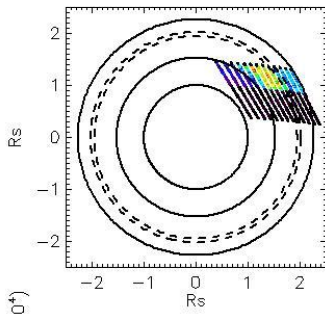
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_04_03_51

Observation Duration:
300 S

Integration time = 300 S



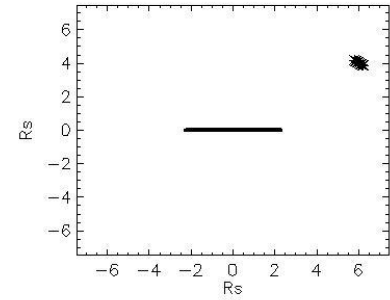
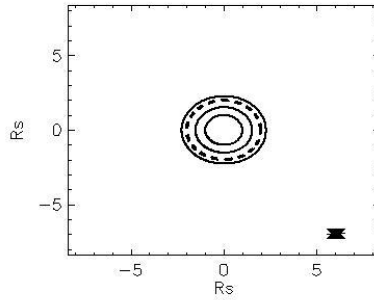
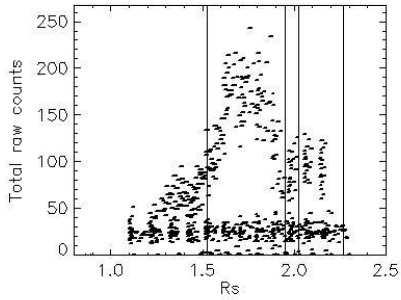
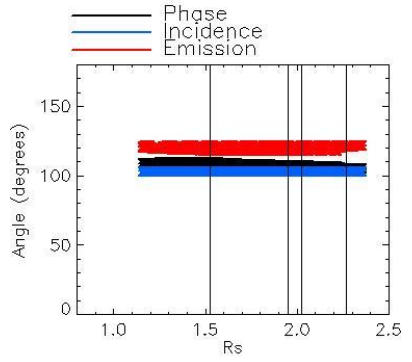
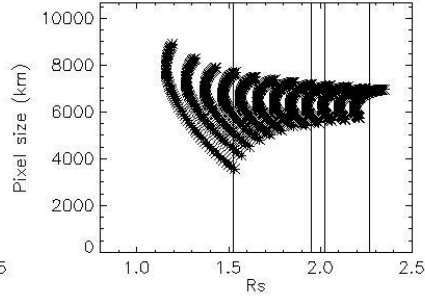
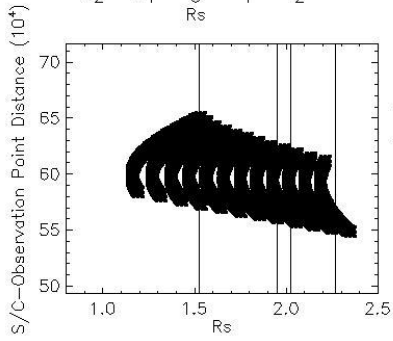


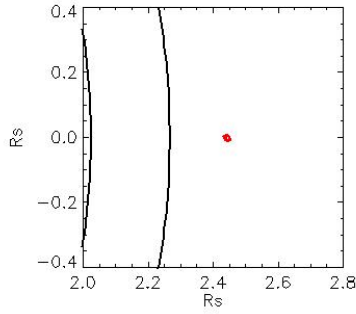
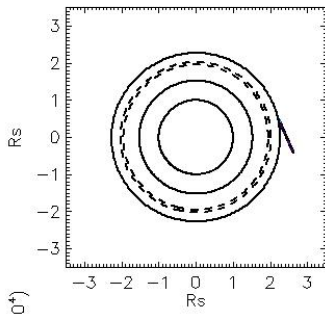
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_04_14_51

Observation Duration:
3600 S

Integration time = 300 S



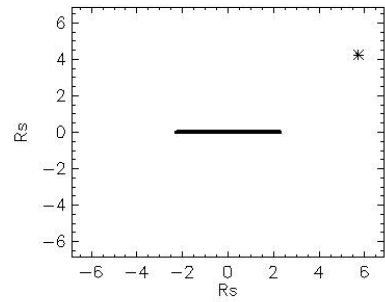
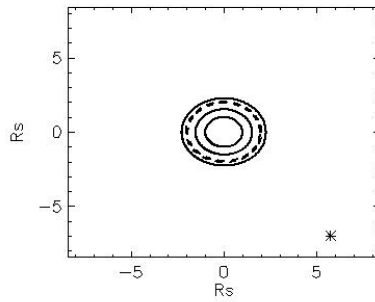
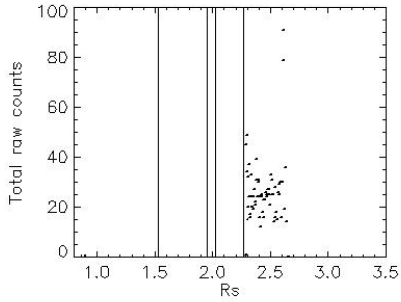
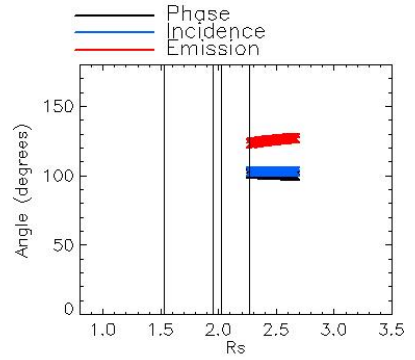
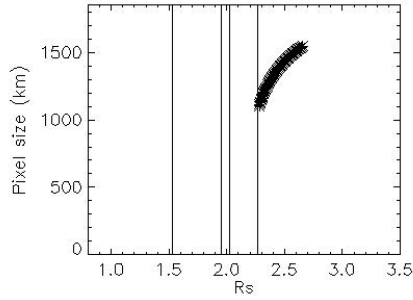
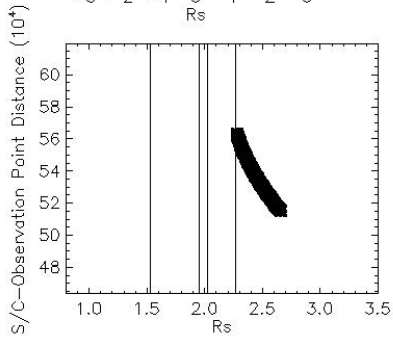


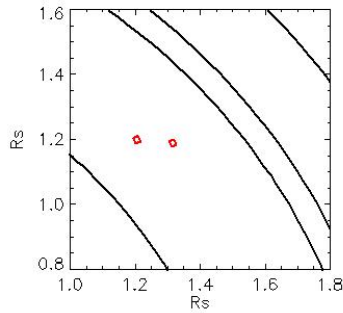
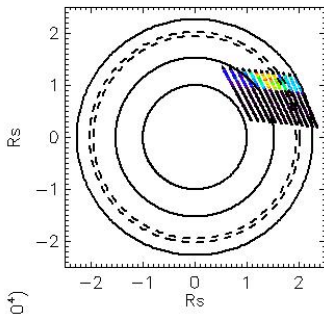
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_05_20_36

Observation Duration:
300 S

Integration time = 300 S



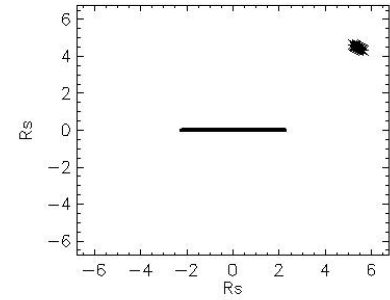
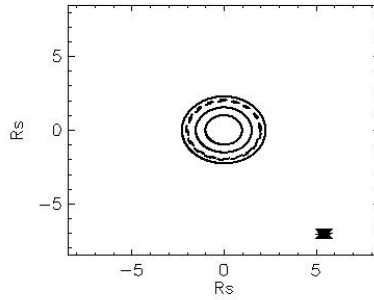
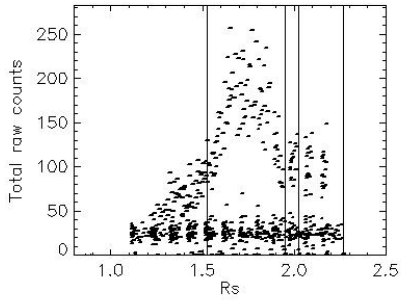
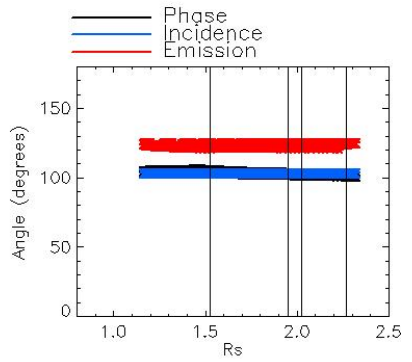
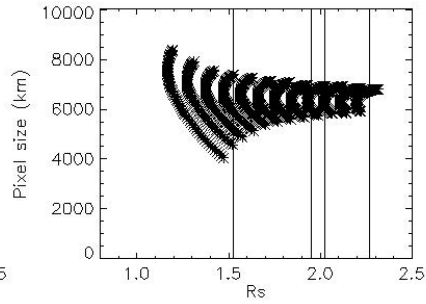
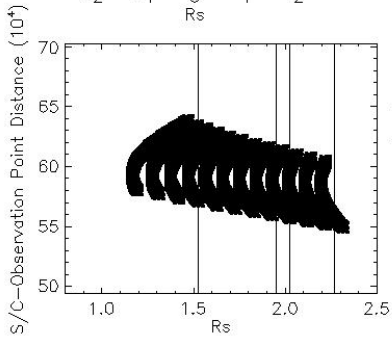


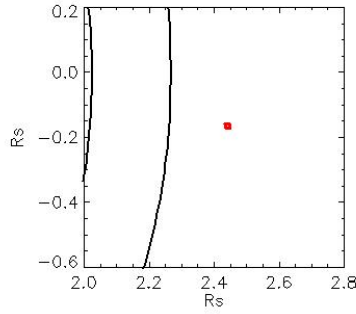
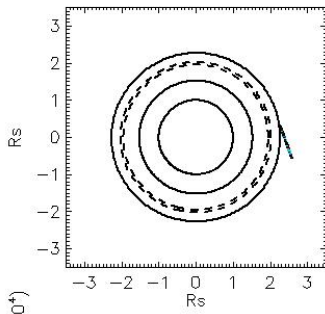
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_05_30_51

Observation Duration:
3600 S

Integration time = 300 S



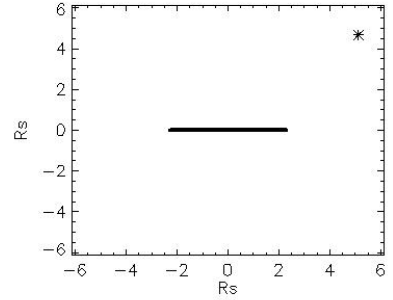
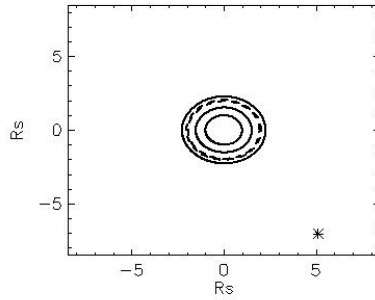
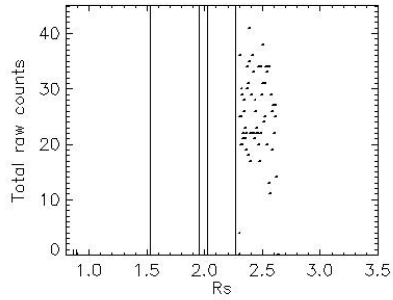
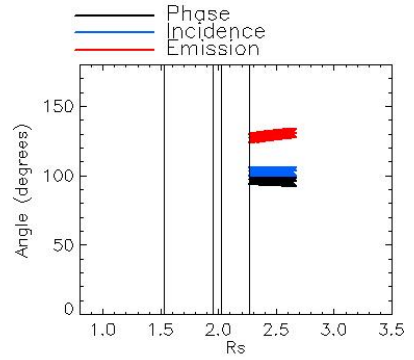
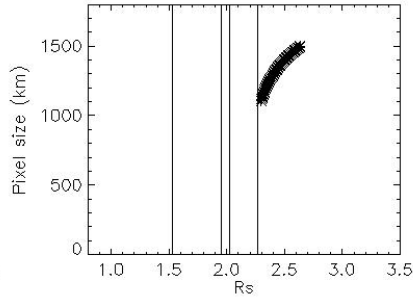
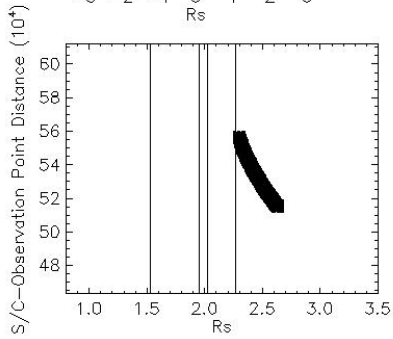


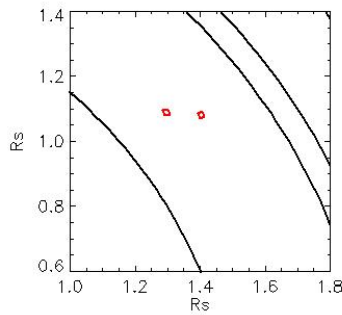
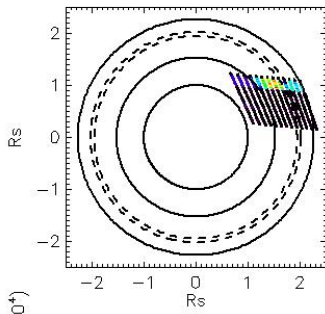
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_06_36_51

Observation Duration:
300 S

Integration time = 300 S



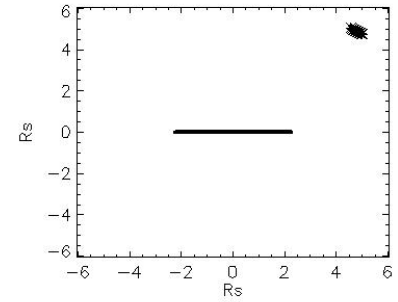
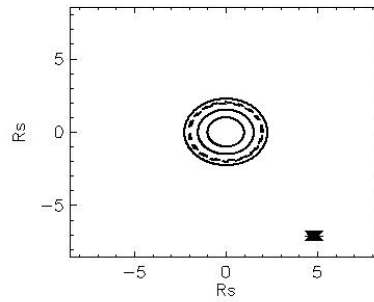
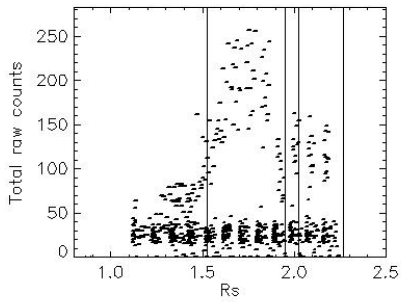
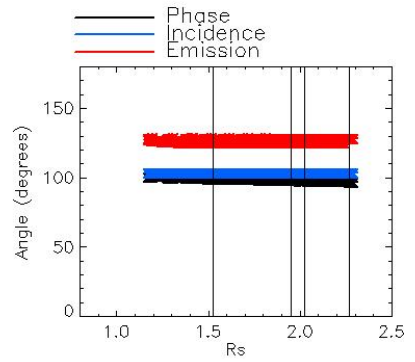
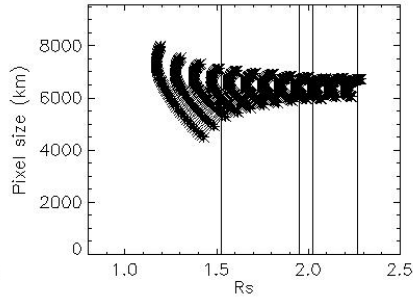
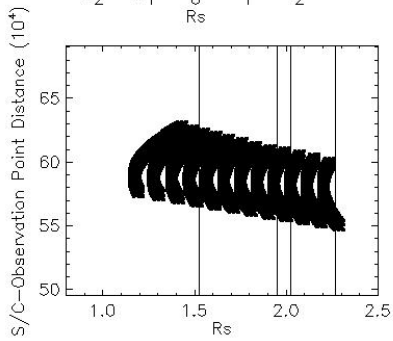


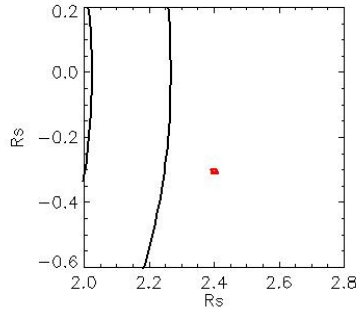
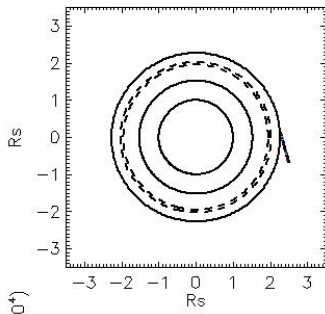
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_06_47_51

Observation Duration:
3600 S

Integration time = 300 S



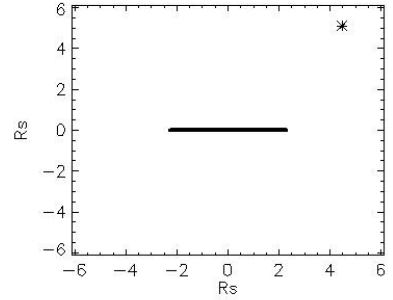
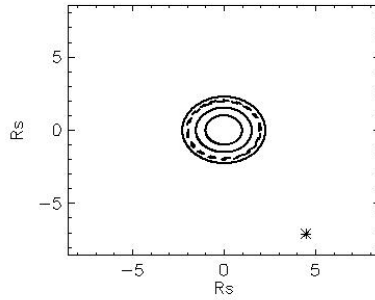
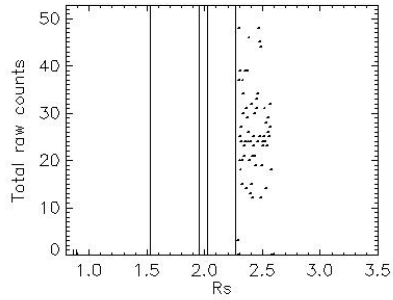
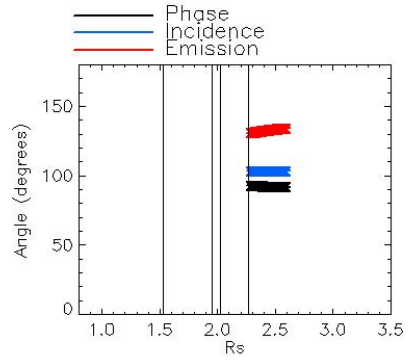
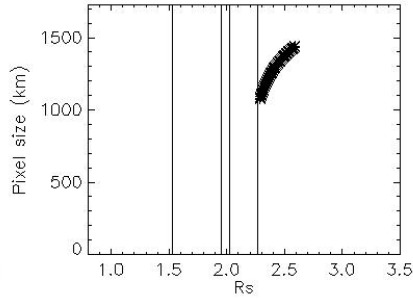
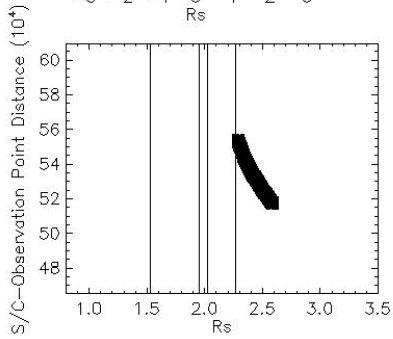


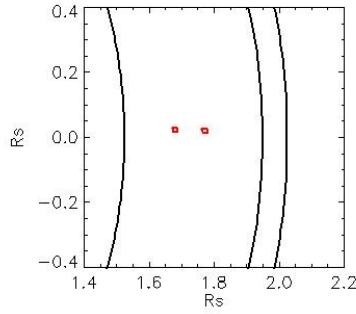
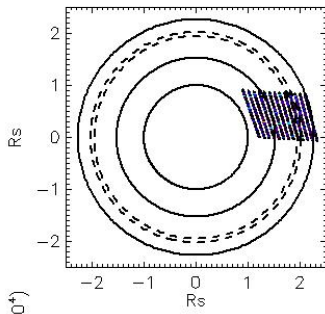
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_07_53_51

Observation Duration:
300 S

Integration time = 300 S



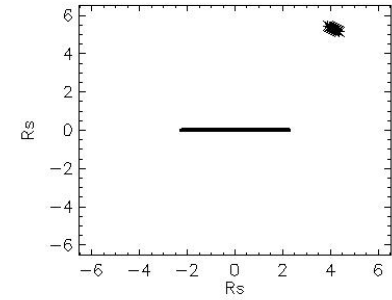
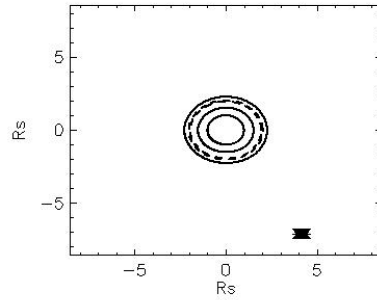
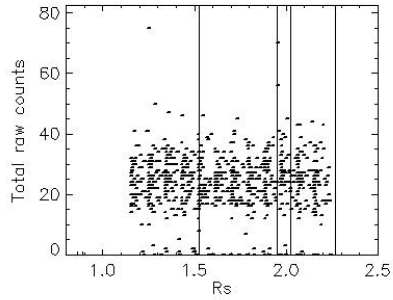
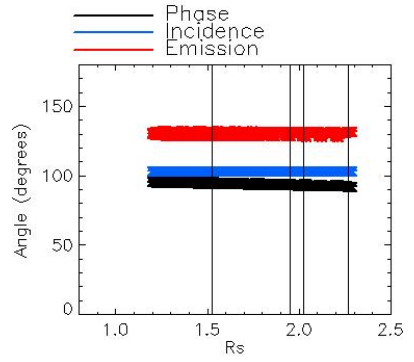
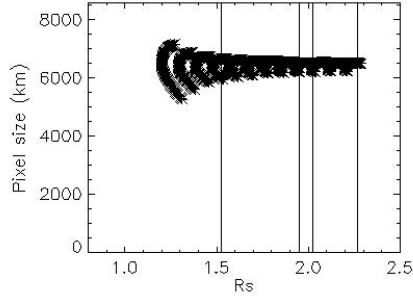
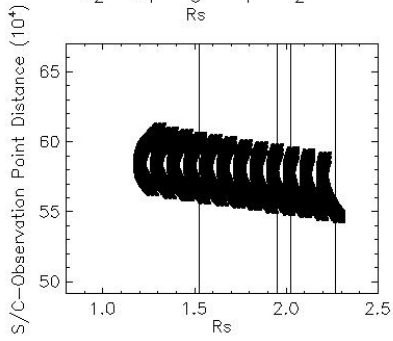


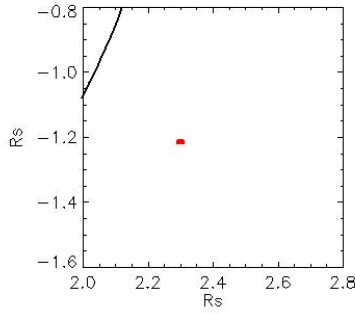
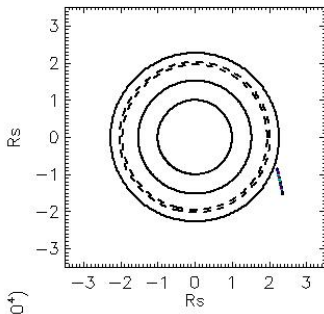
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_08_04_51

Observation Duration:
3600 S

Integration time = 300 S



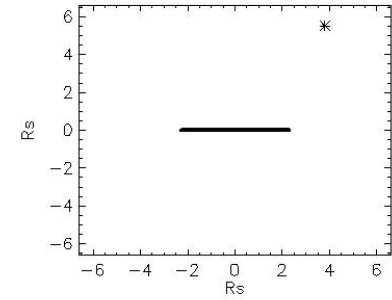
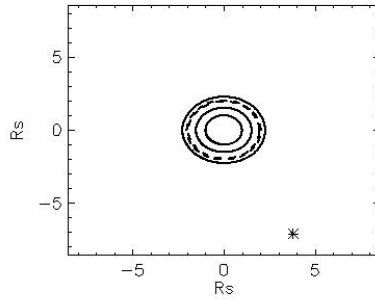
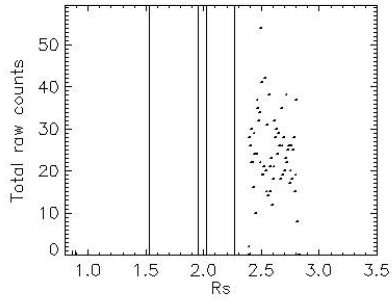
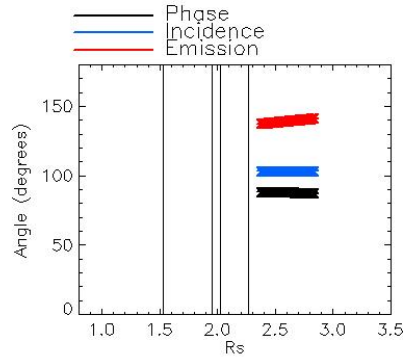
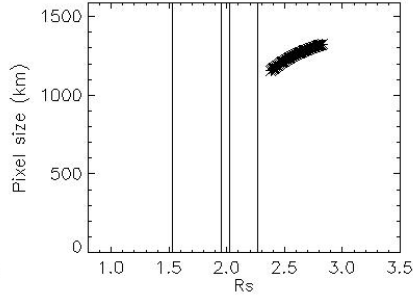
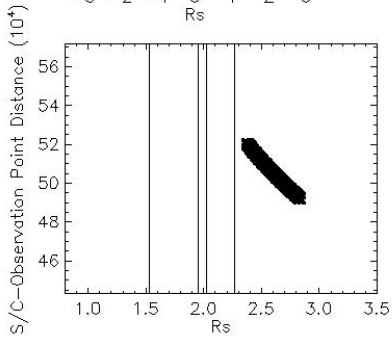


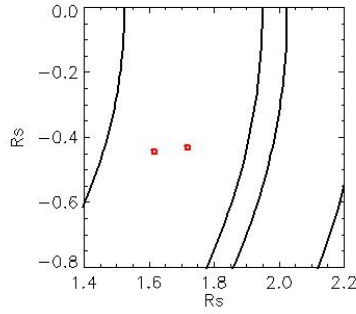
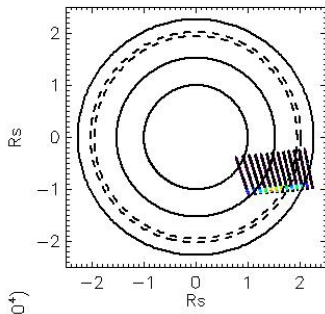
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_09_11_51

Observation Duration:
300 S

Integration time = 300 S



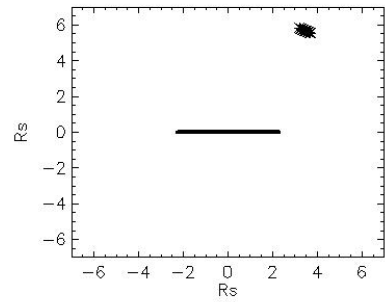
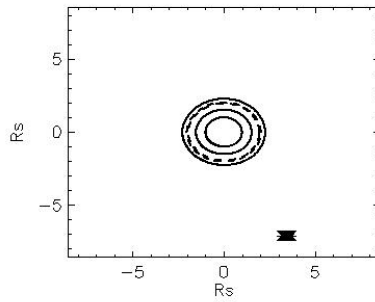
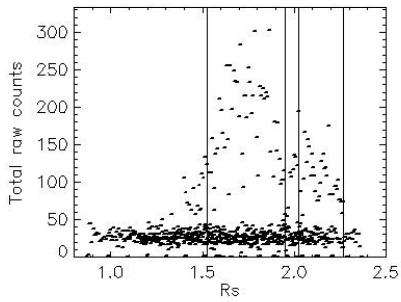
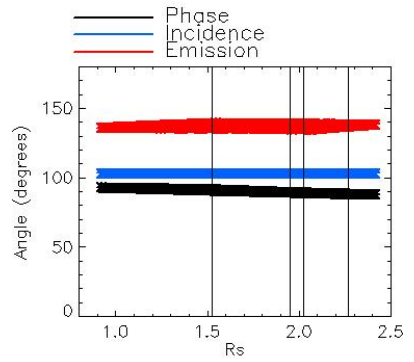
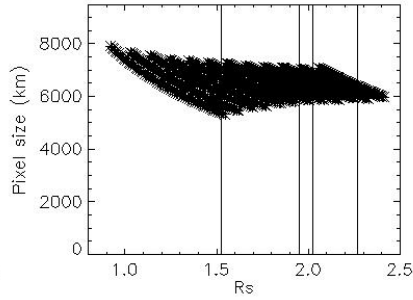
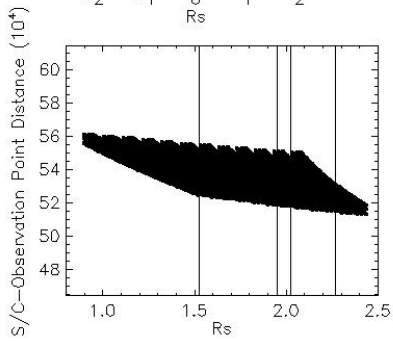


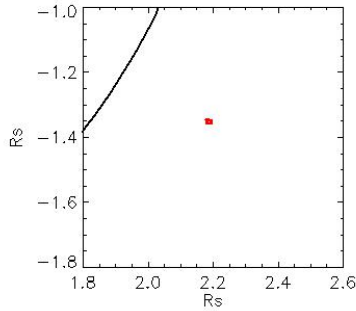
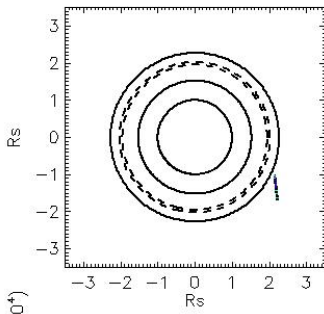
Observation Name:
UMS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_09_22_51

Observation Duration:
3600 S

Integration time = 300 S



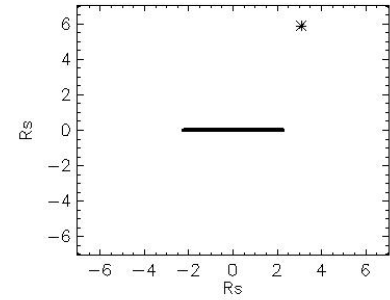
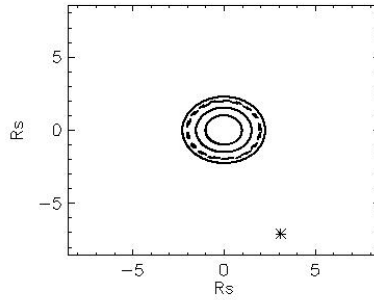
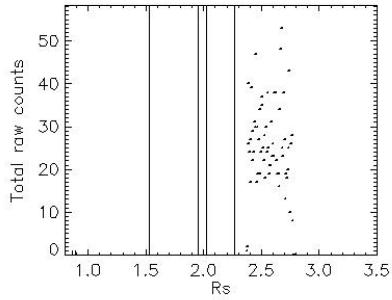
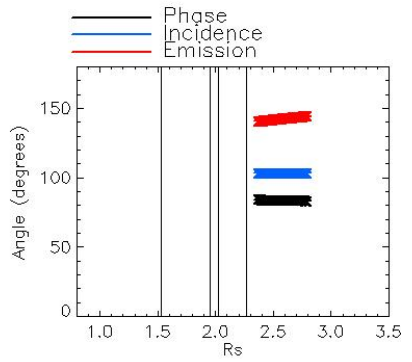
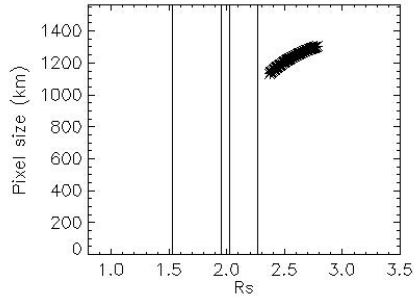
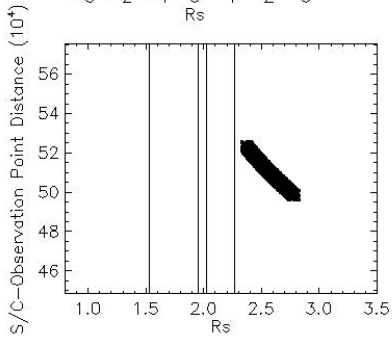


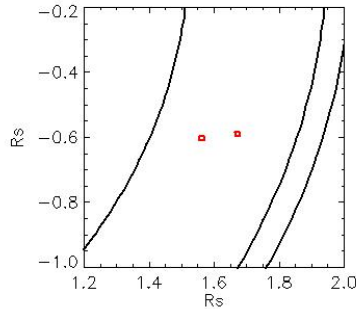
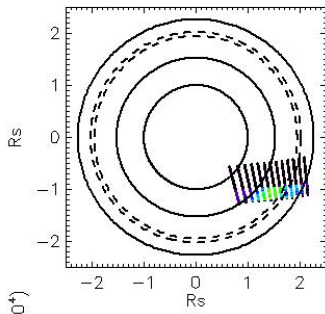
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_10_29_51

Observation Duration:
300 S

Integration time = 300 S



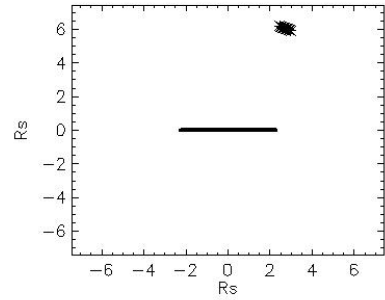
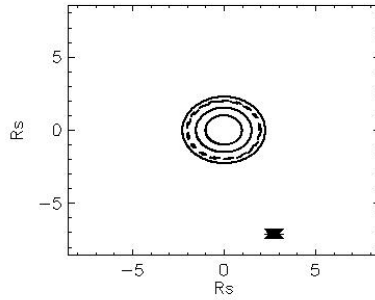
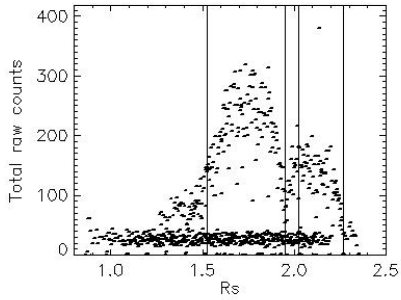
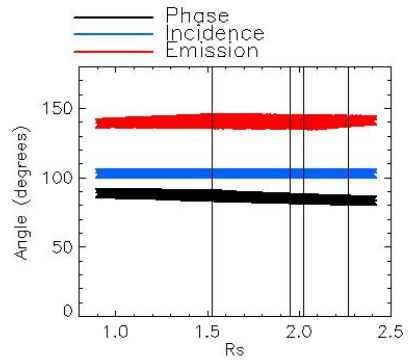
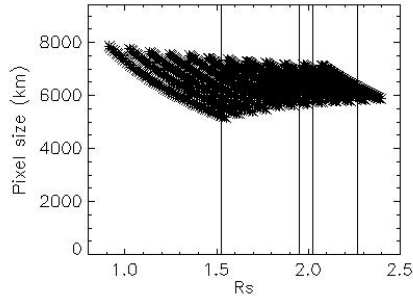
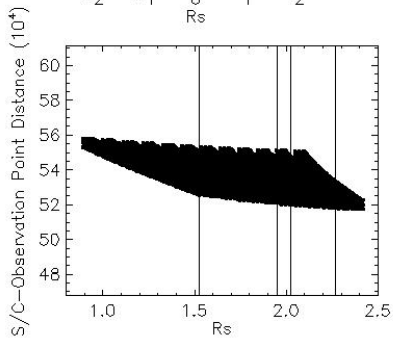


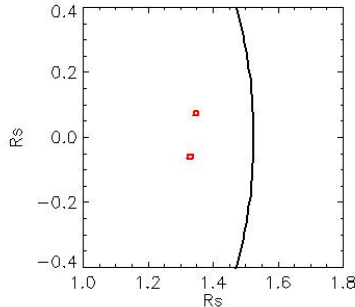
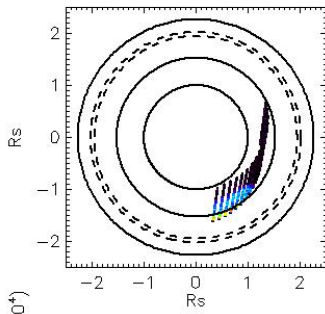
Observation Name:
UVIS_041RLSHADLMP001_CIRS

Observation Date:
2007_082_10_40_51

Observation Duration:
3600 S

Integration time = 300 S



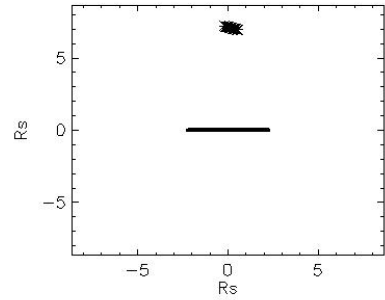
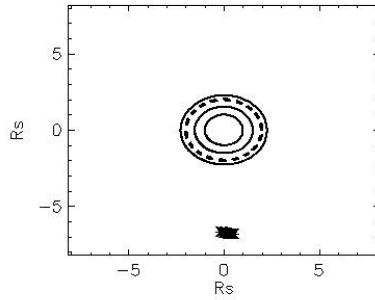
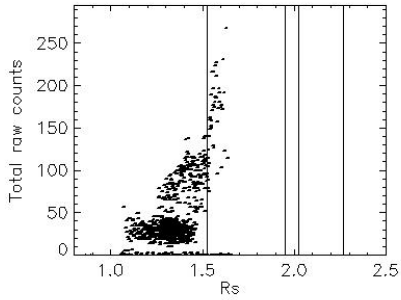
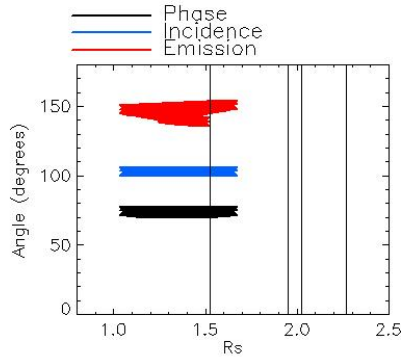
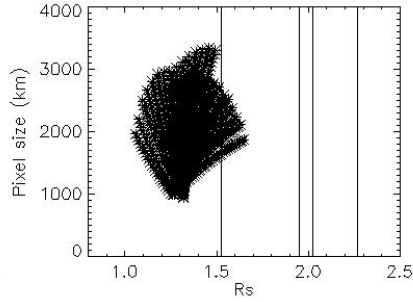
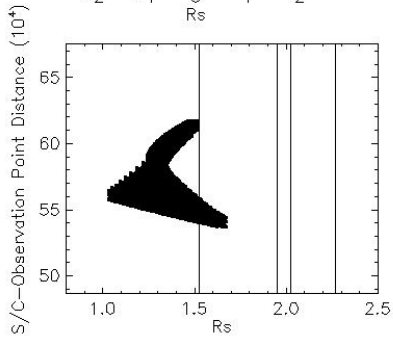


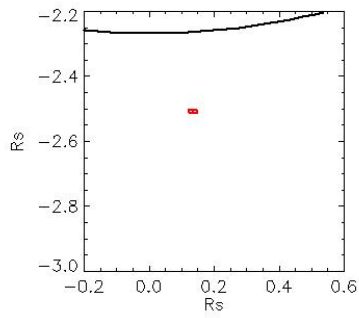
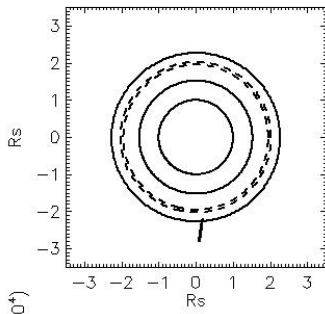
Observation Name:
UVIS_041RLSHADLMP002_CIRS

Observation Date:
2007_082_14_50_51

Observation Duration:
4500 S

Integration time = 300 S



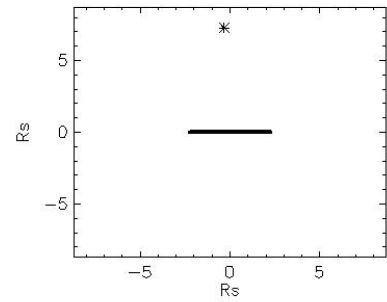
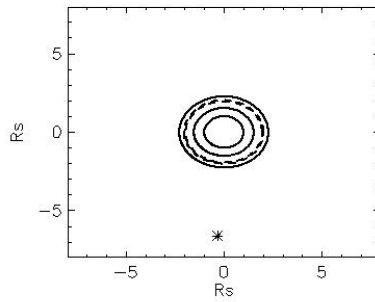
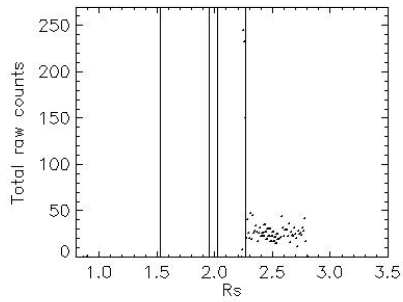
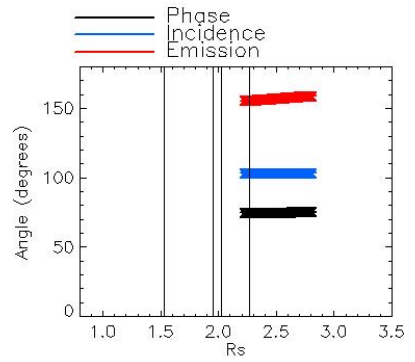
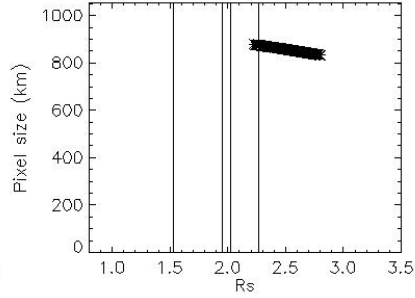
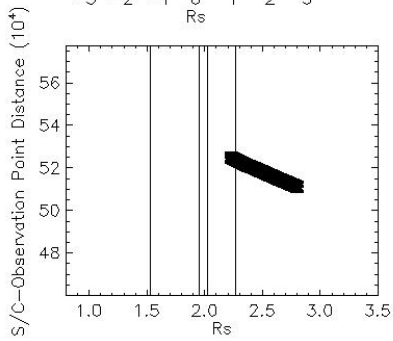


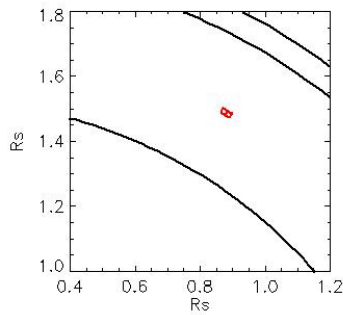
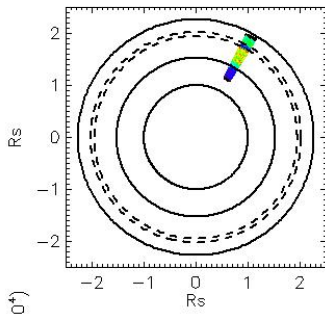
Observation Name:
UVIS_041RLSHADLMP002_CIRS

Observation Date:
2007_082_16_13_52

Observation Duration:
300 S

Integration time = 300 S



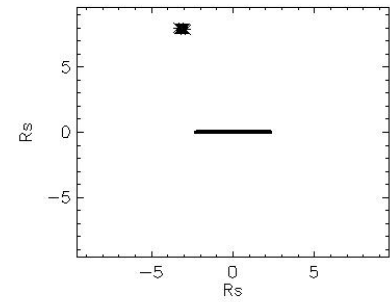
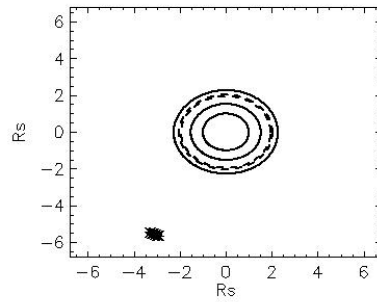
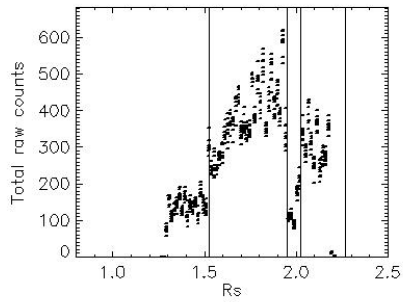
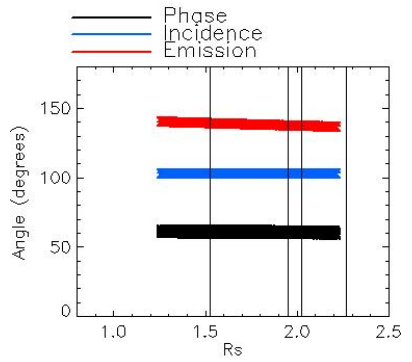
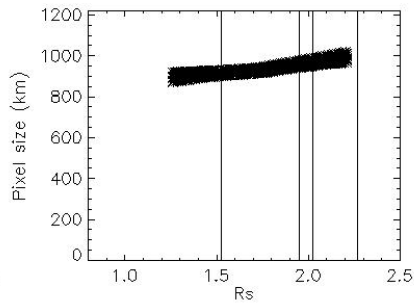
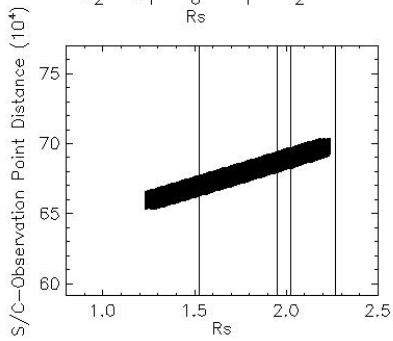


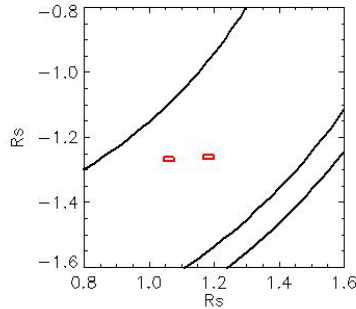
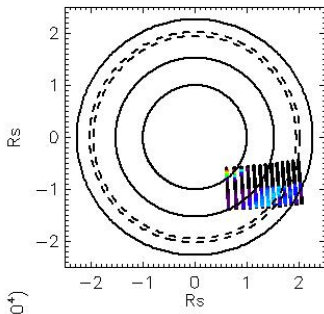
Observation Name:
UVS_041RB_SPOKE001_VIMS

Observation Date:
2007_082_20_29_52

Observation Duration:
3000 S

Integration time = 300 S



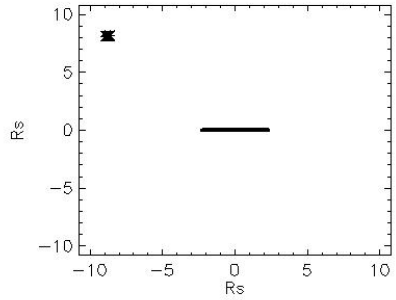
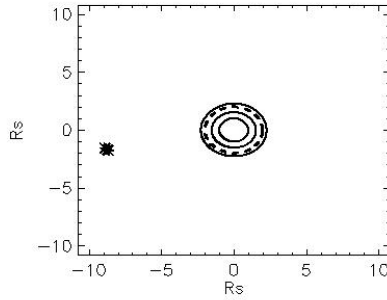
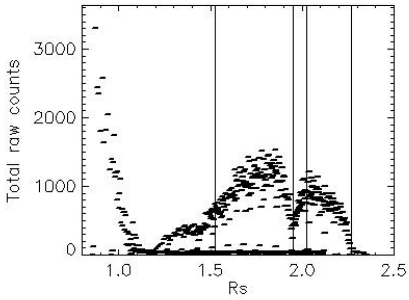
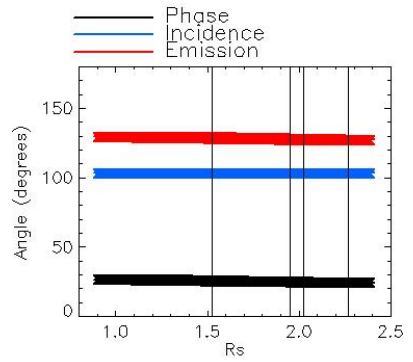
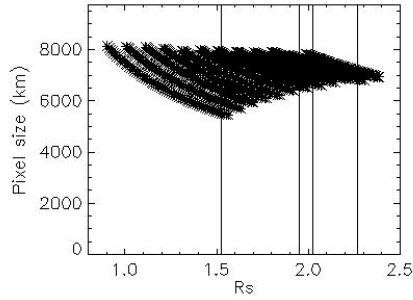
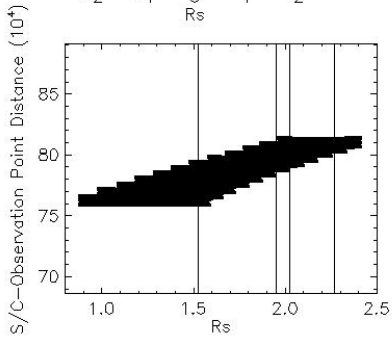


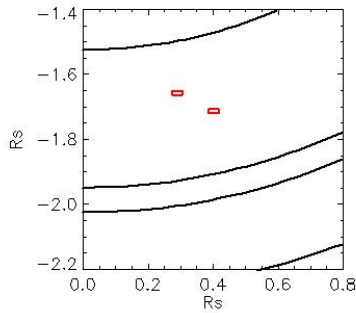
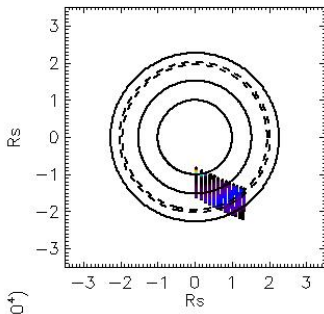
Observation Name:
UMS_041RC_VERTLLP001_CIRS

Observation Date:
2007_083_09_14_51

Observation Duration:
3600 S

Integration time = 300 S



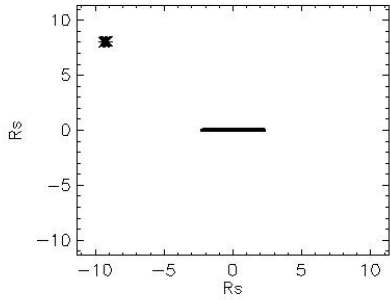
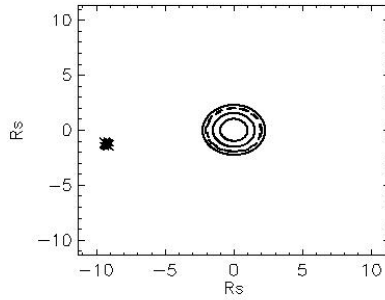
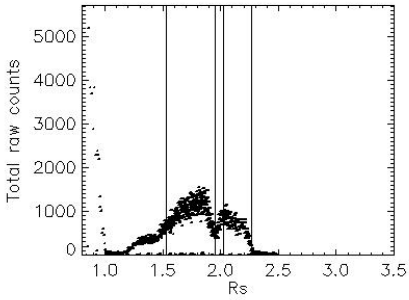
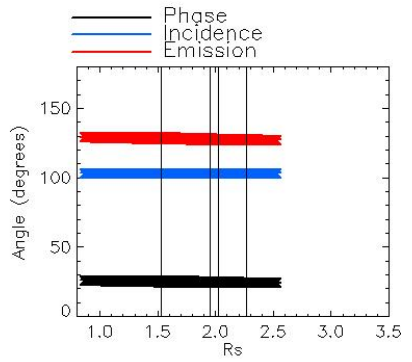
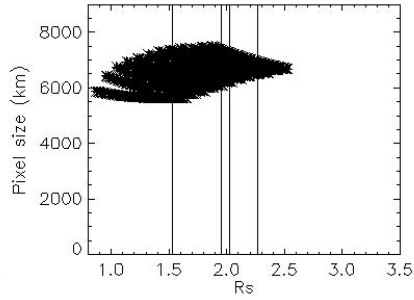
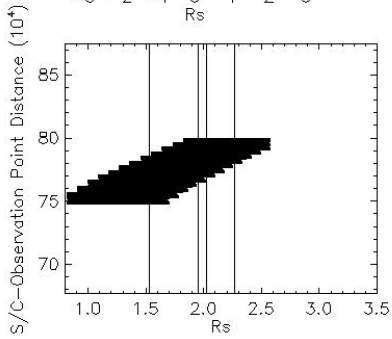


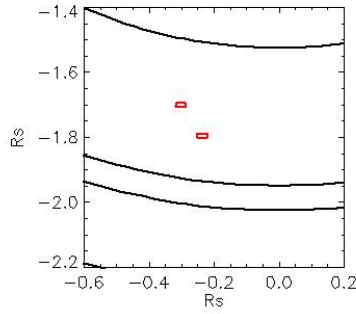
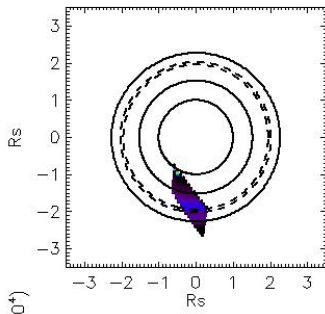
Observation Name:
UMS_041RC_VERTLLP001_CIRS

Observation Date:
2007_083_10_34_51

Observation Duration:
3600 S

Integration time = 300 S



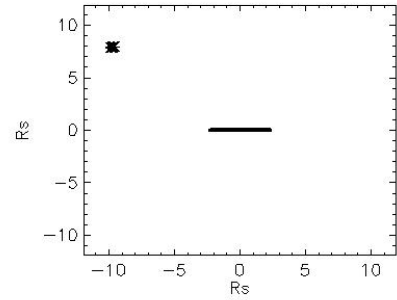
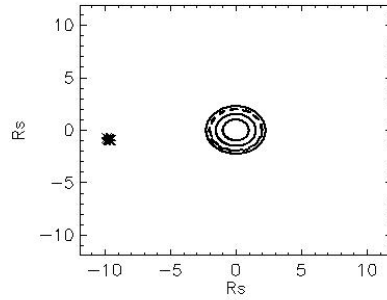
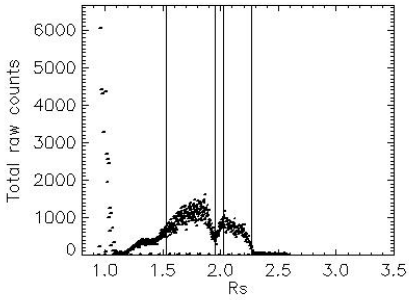
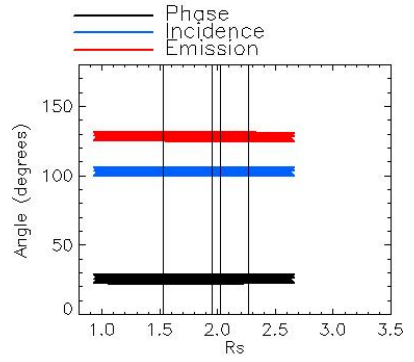
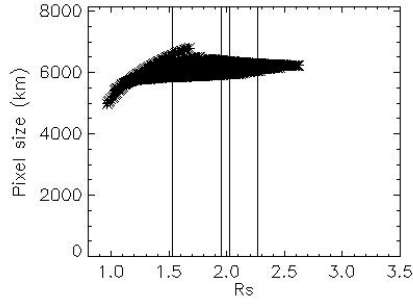
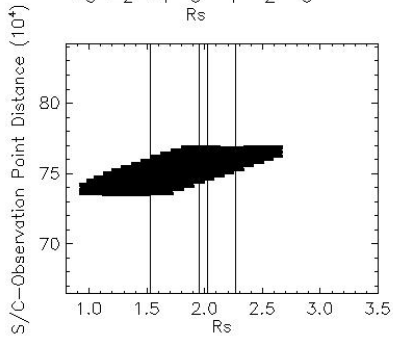


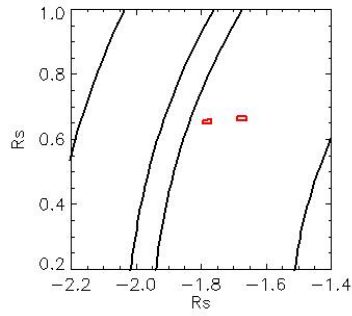
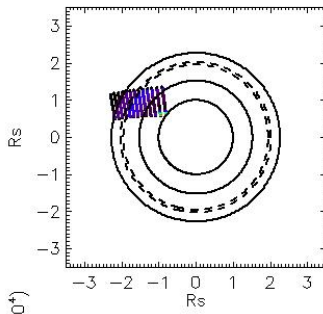
Observation Name:
UMS_041RC_VERTLLP001_CIRS

Observation Date:
2007_083_11_54_51

Observation Duration:
3600 S

Integration time = 300 S



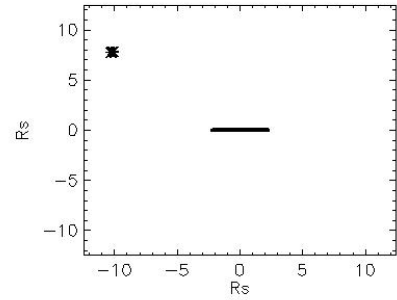
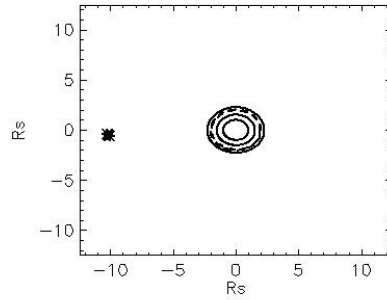
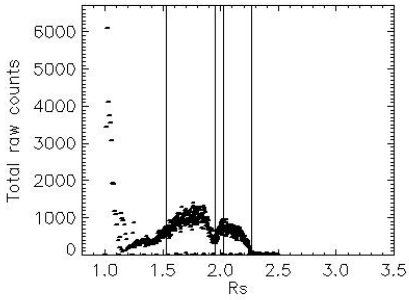
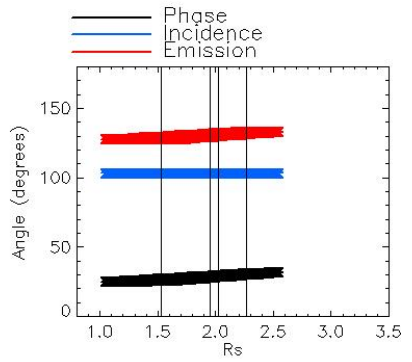
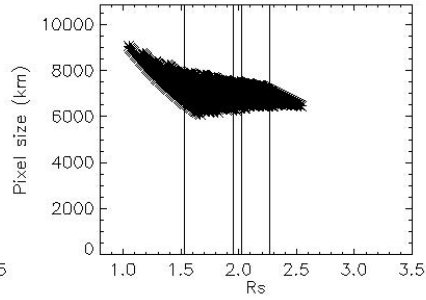
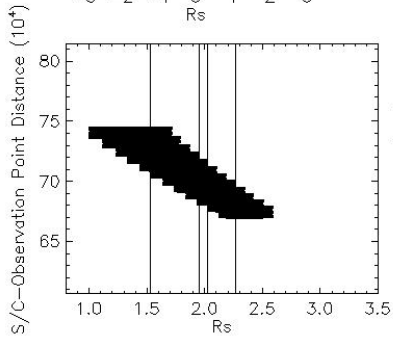


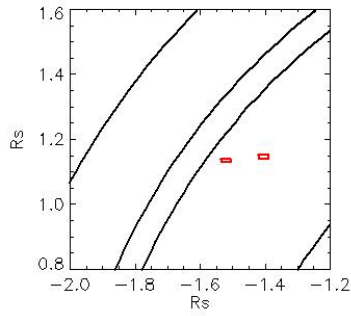
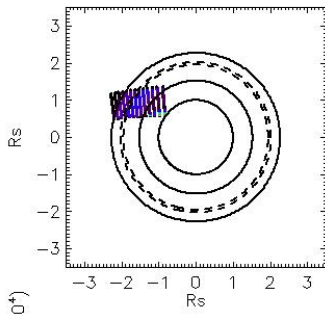
Observation Name:
UMS_041RC_VERTLLP001_CIRS

Observation Date:
2007_083_13_14_51

Observation Duration:
3600 S

Integration time = 300 S



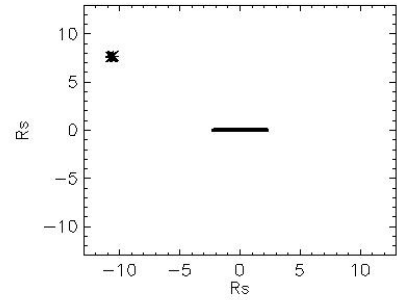
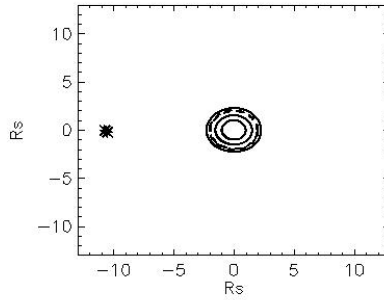
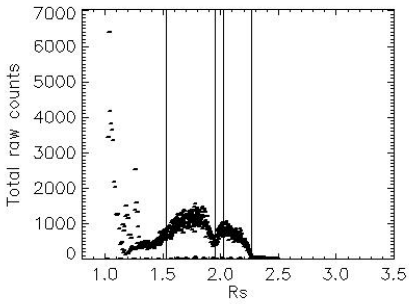
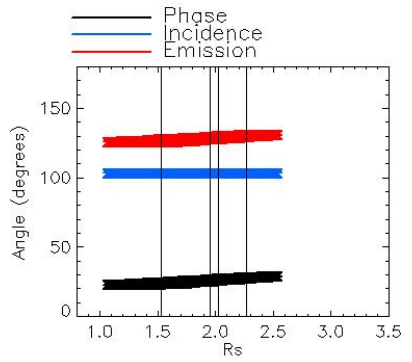
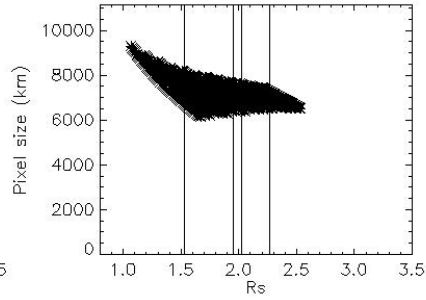
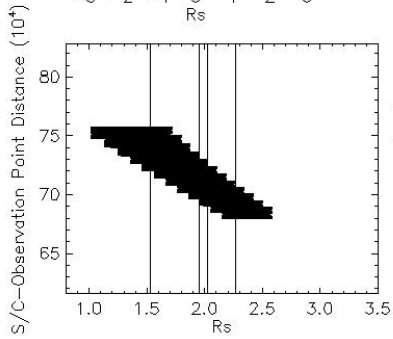


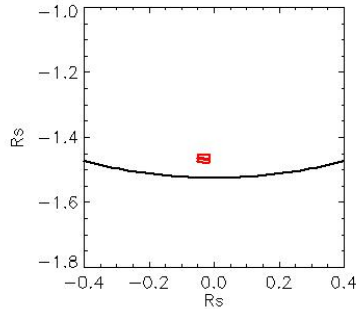
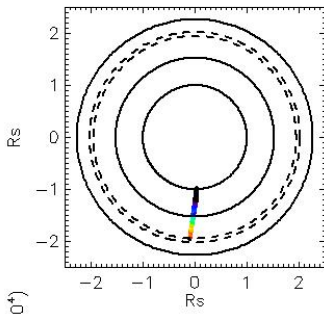
Observation Name:
UMS_041RC_VERTLLP001_CIRS

Observation Date:
2007_083_14_34_51

Observation Duration:
3600 S

Integration time = 300 S



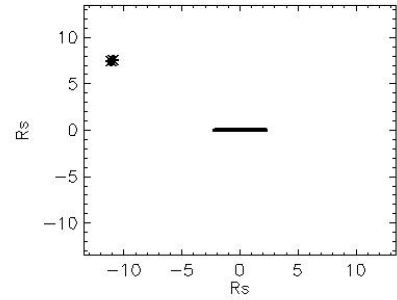
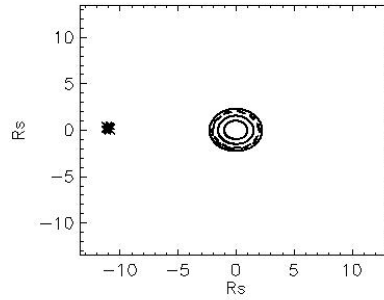
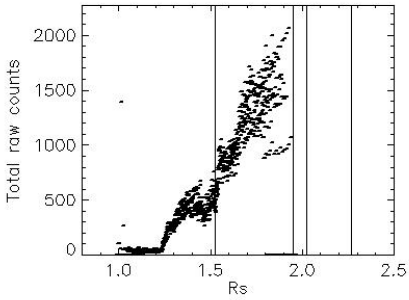
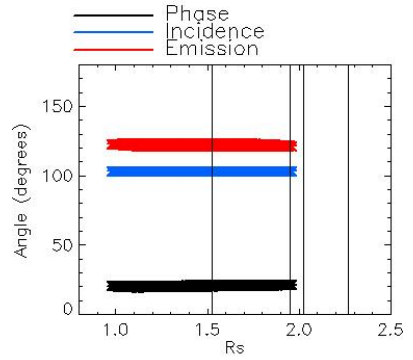
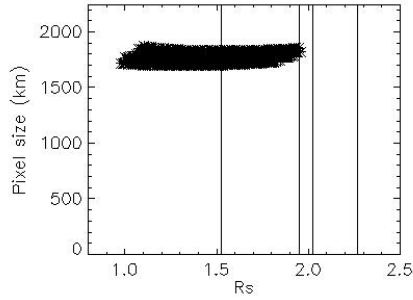
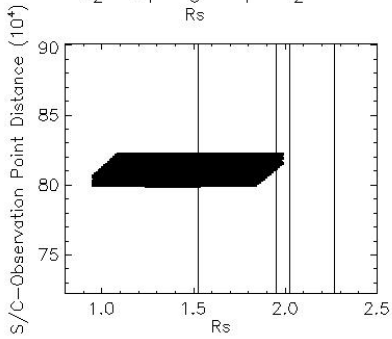


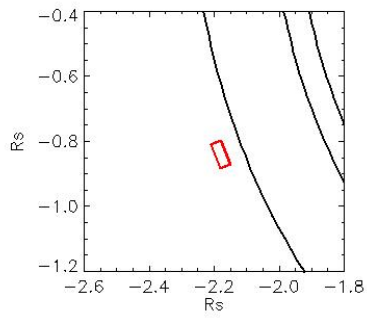
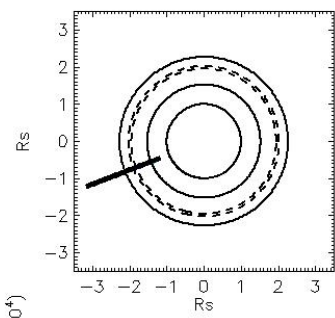
Observation Name:
UMS_041RC_VERTLLP001_CIRS

Observation Date:
2007_083_15_40_51

Observation Duration:
4200 S

Integration time = 300 S



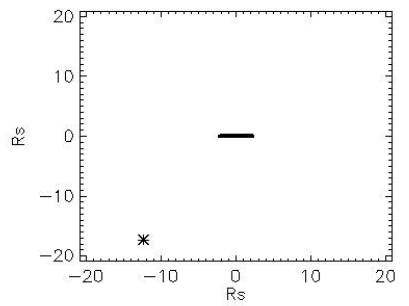
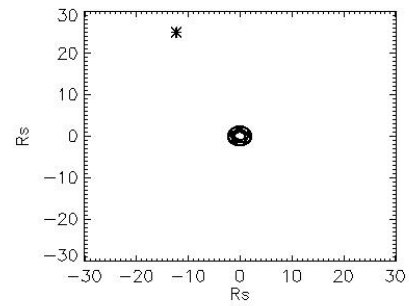
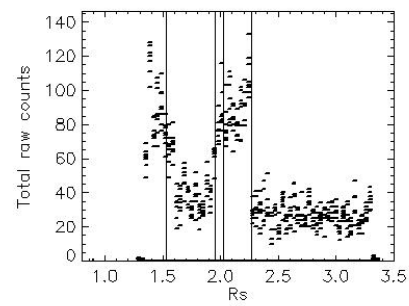
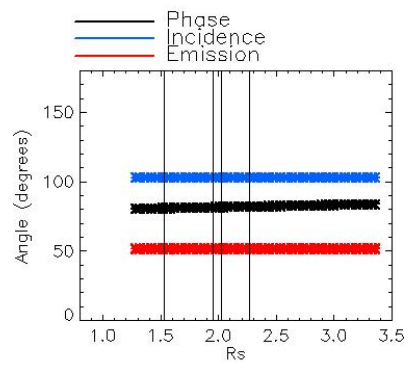
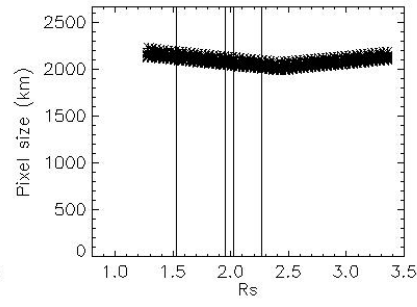
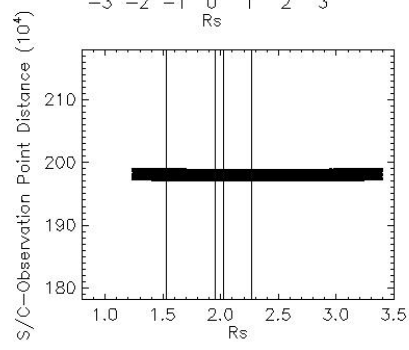


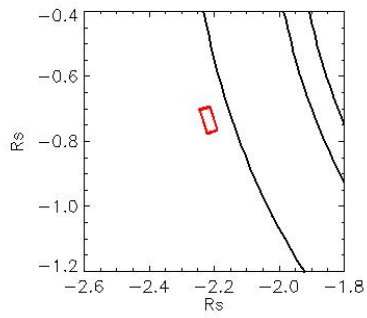
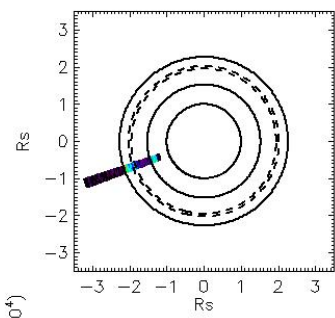
Observation Name:
UMS_041RF_FMOVIE001_VIMS

Observation Date:
2007_090_09_39_57

Observation Duration:
2700 S

Integration time = 300 S



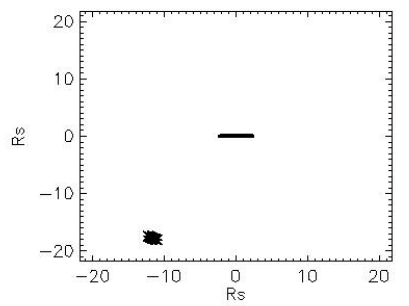
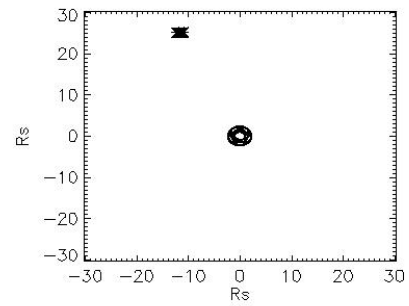
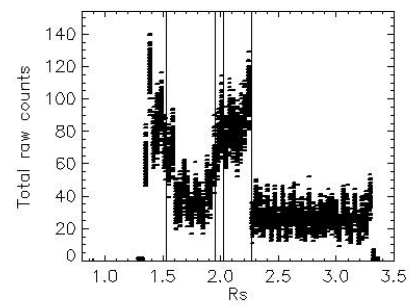
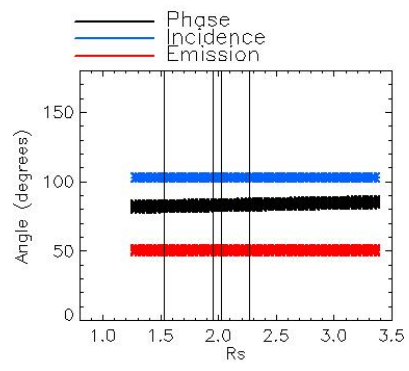
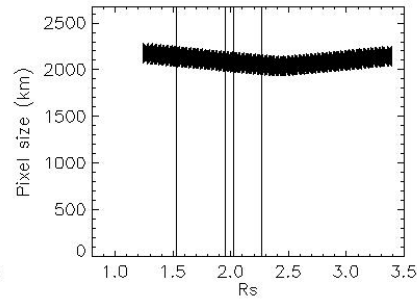
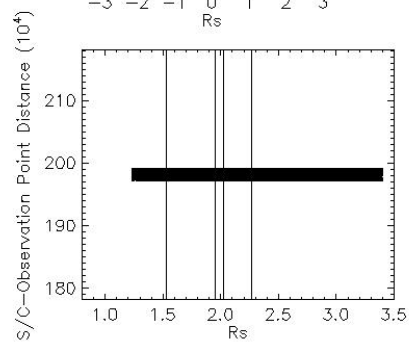


Observation Name:
UVIS_041RF_FMOVIE001_VIMS

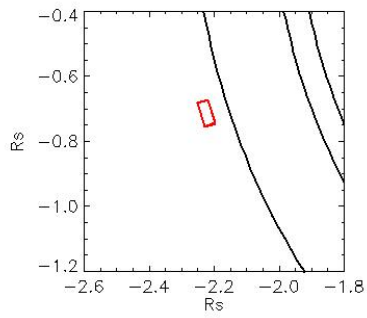
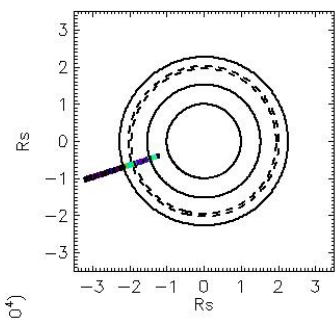
Observation Date:
2007_090_10_29_57

Observation Duration:
33900 S

Integration time = 300 S



— Phase
— Incidence
— Emission



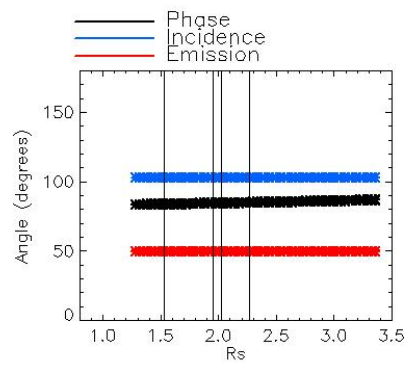
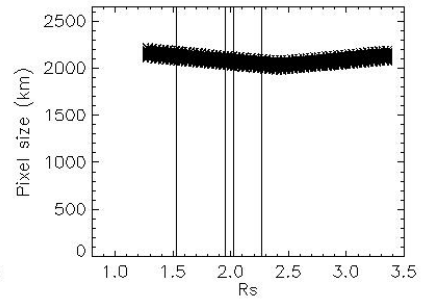
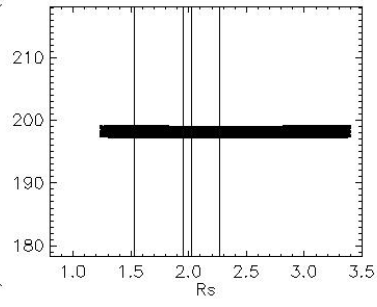
Observation Name:
UVIS_041RF_FMOVIE001_VIMS

Observation Date:
2007_090_19_54_56

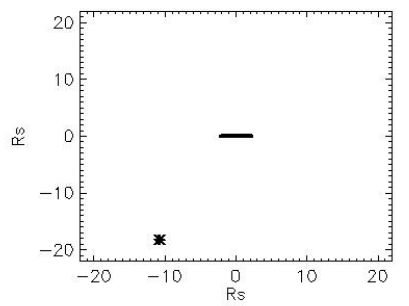
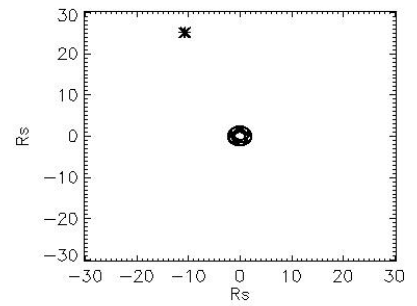
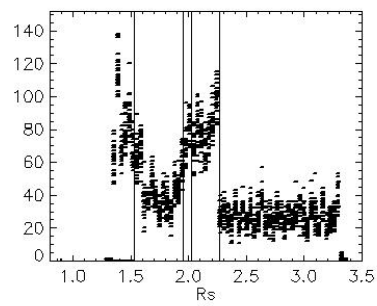
Observation Duration:
8100 S

Integration time = 300 S

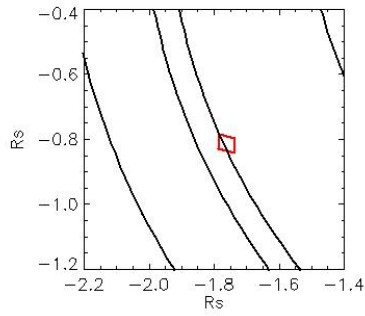
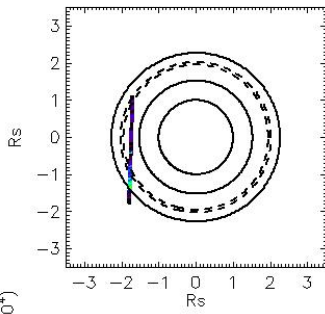
S/C—Observation Point Distance (10^4)



Total raw counts



— Phase
— Incidence
— Emission

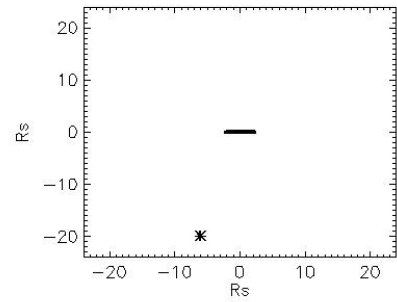
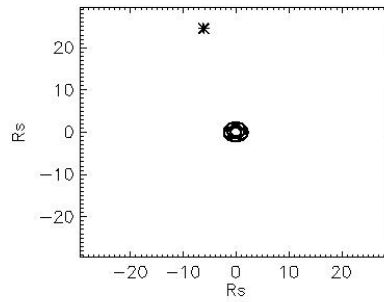
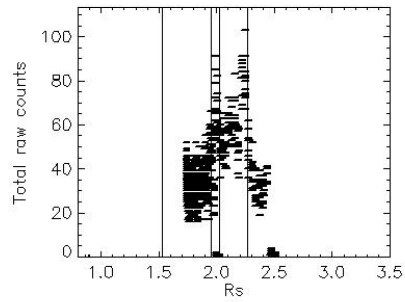
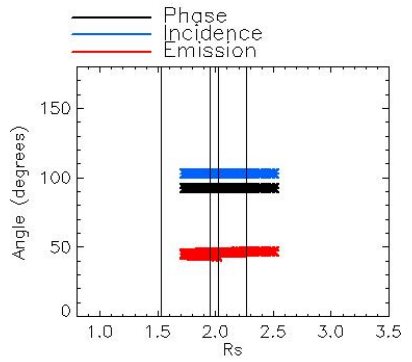
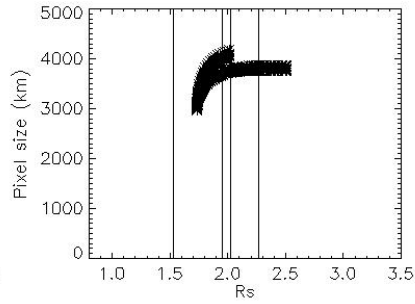
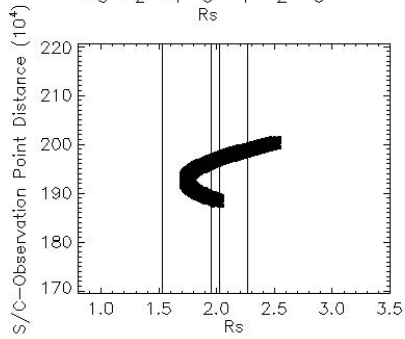


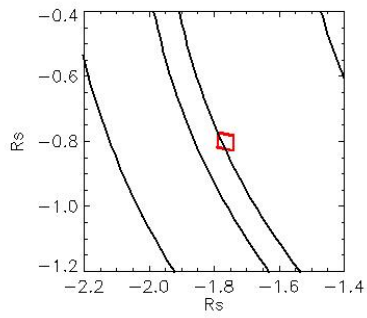
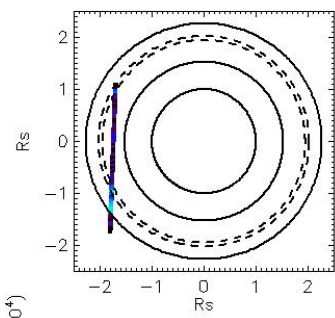
Observation Name:
UMS_042RLFMONITOR01_CIRS

Observation Date:
2007_092_01_38_21

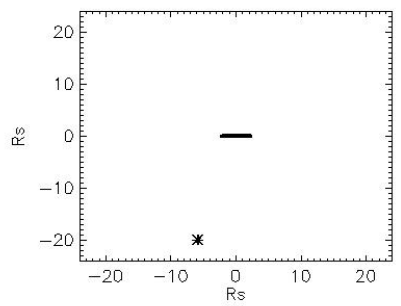
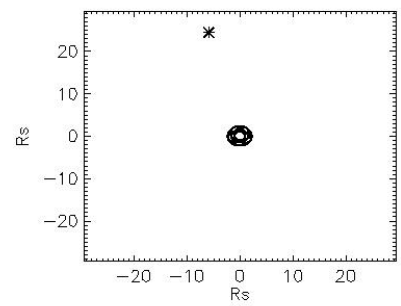
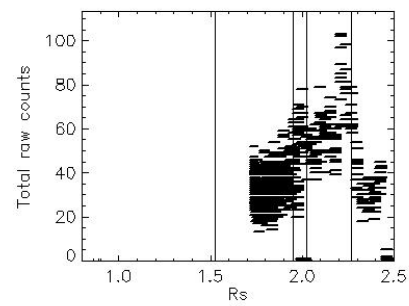
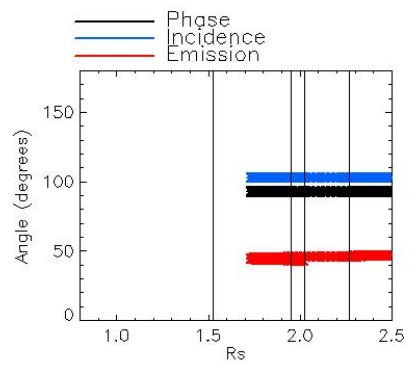
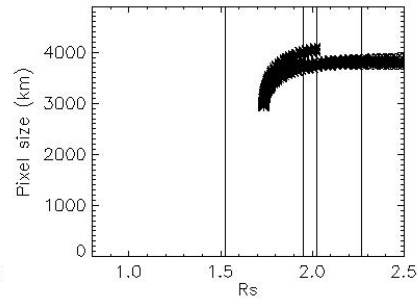
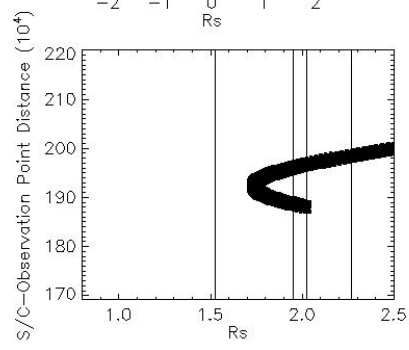
Observation Duration:
3600 S

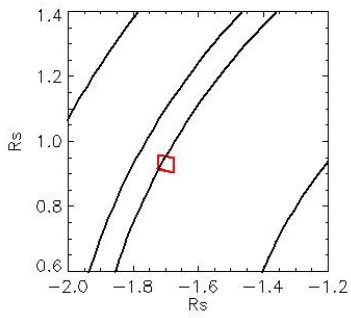
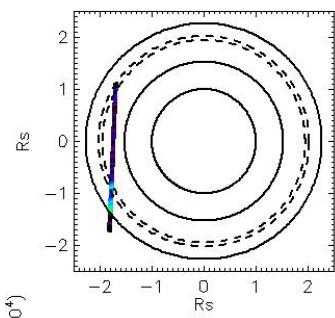
Integration time = 300 S



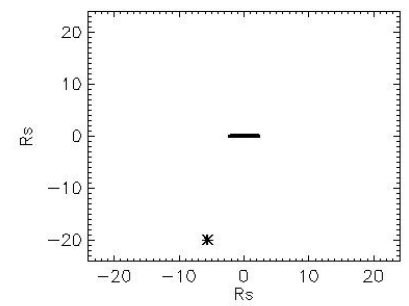
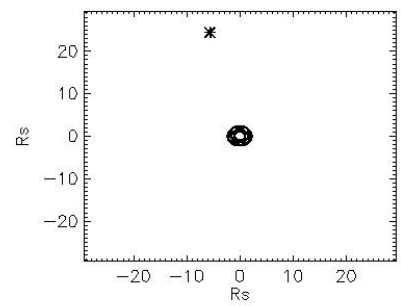
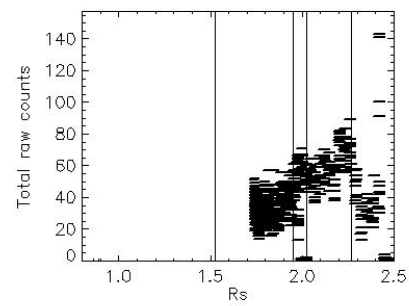
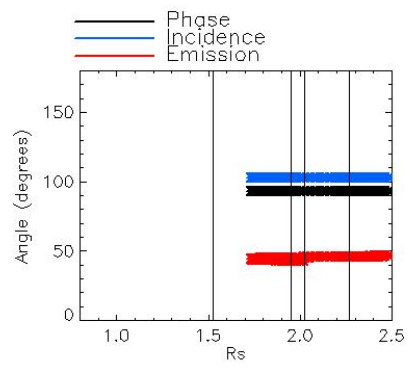
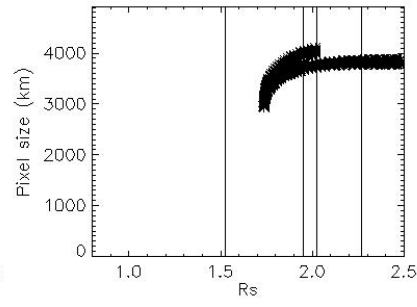
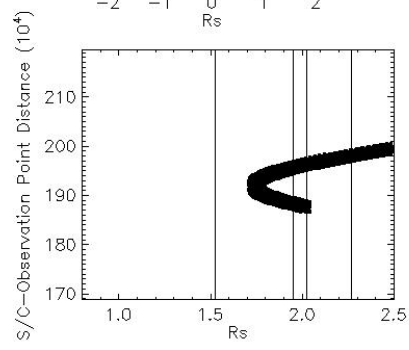


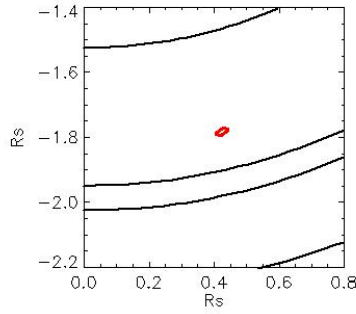
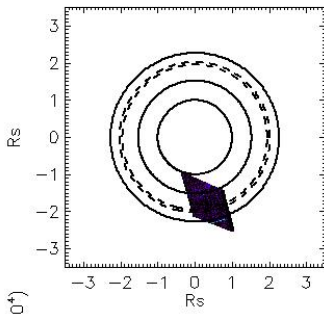
Observation Name:
 UVS_042RLFMONITOR001_CIRS
 Observation Date:
 2007_092_03_06_22
 Observation Duration:
 3600 S
 Integration time = 300 S





Observation Name:
UVIS_042RLFMONITOR001_CIRS
Observation Date:
2007_092_04_34_21
Observation Duration:
3600 S
Integration time = 300 S



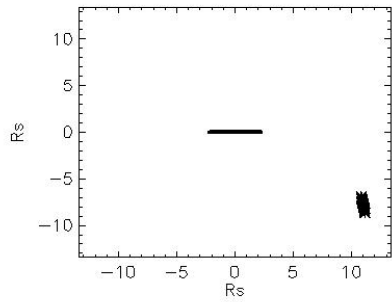
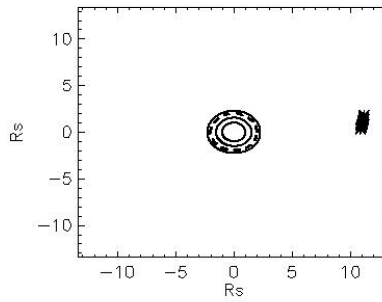
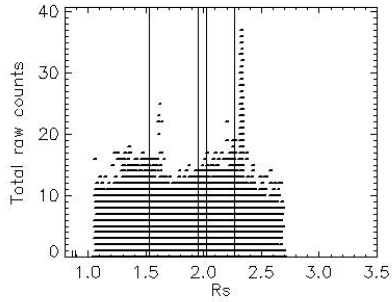
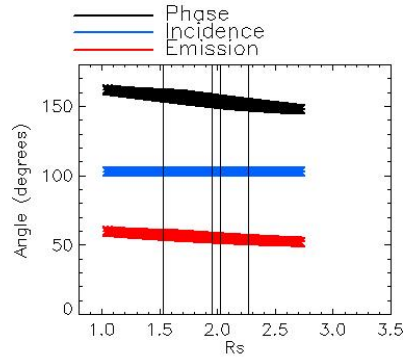
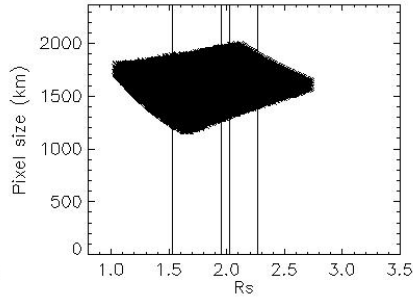
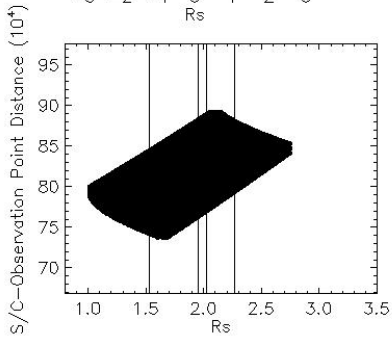


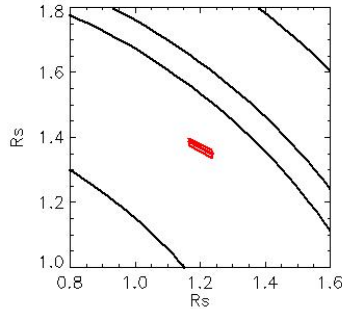
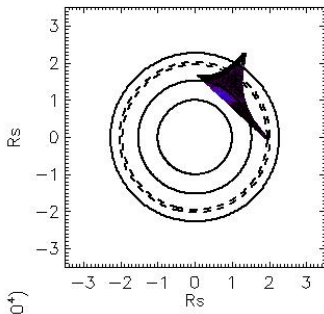
Observation Name:
UMS_042RLSUBMU40HP001_CIRS

Observation Date:
2007_097_08_13_52

Observation Duration:
19740 S

Integration time = 60 S



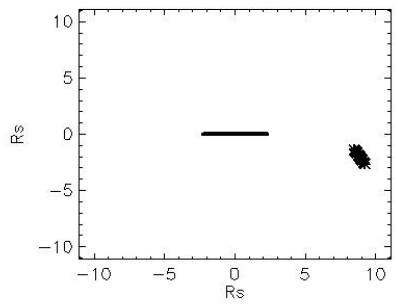
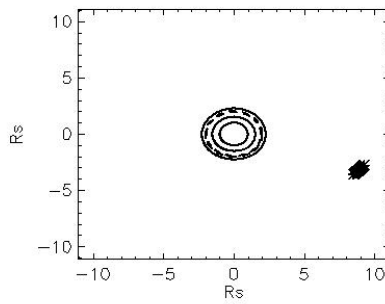
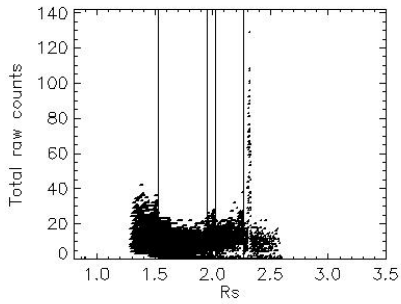
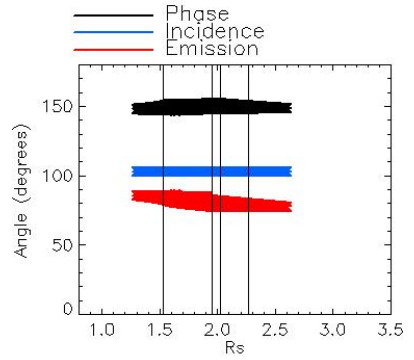
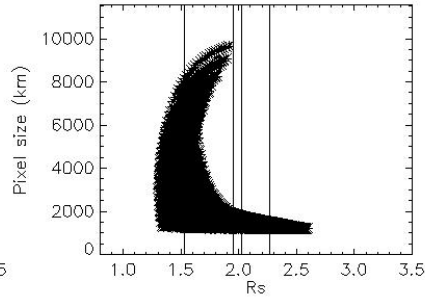
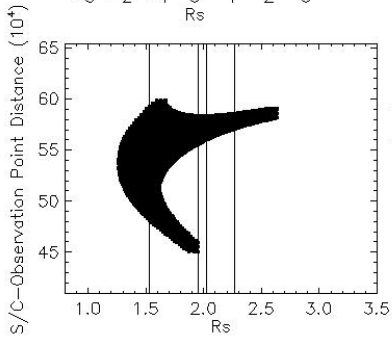


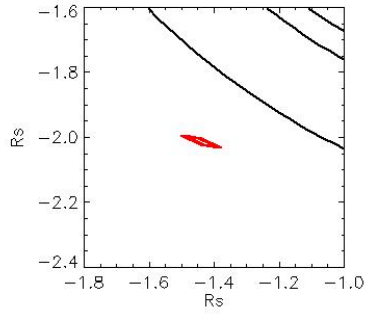
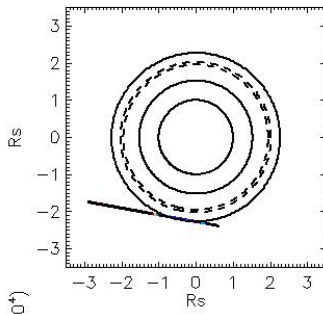
Observation Name:
UMS_042RLSUBMU10HP001_CIRS

Observation Date:
2007_098_00_27_31

Observation Duration:
11300 S

Integration time = 100 S



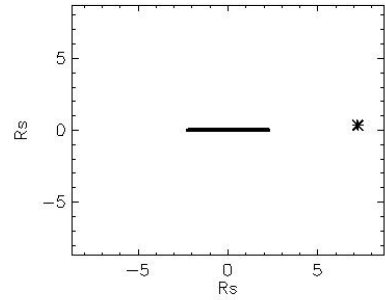
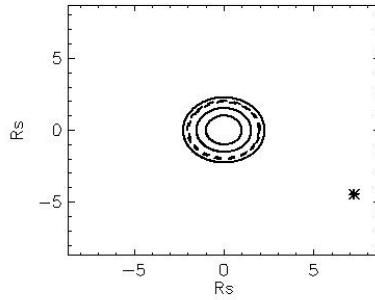
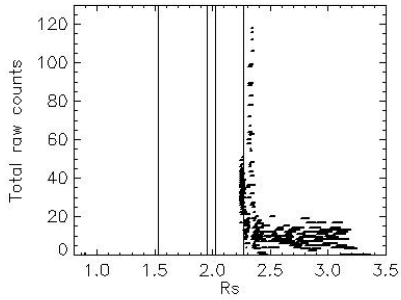
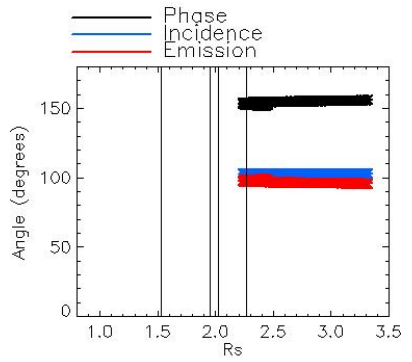
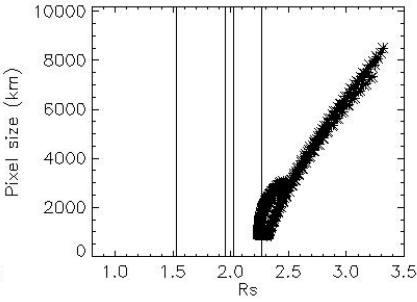
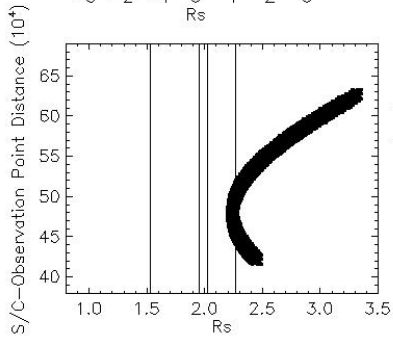


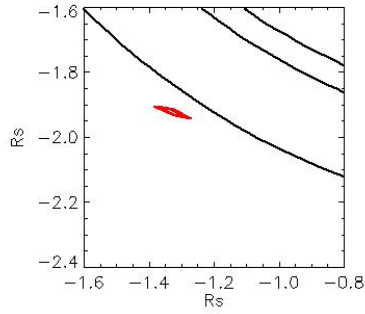
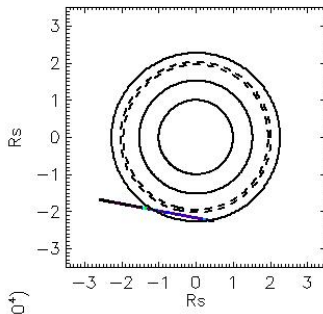
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_07_13_56

Observation Duration:
600 S

Integration time = 100 S



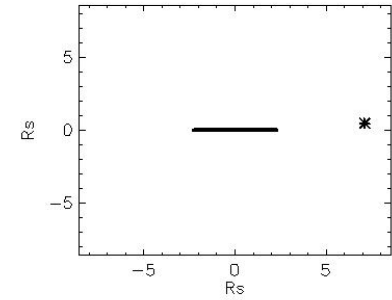
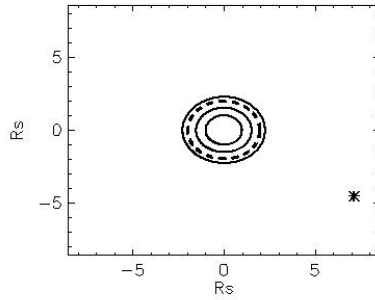
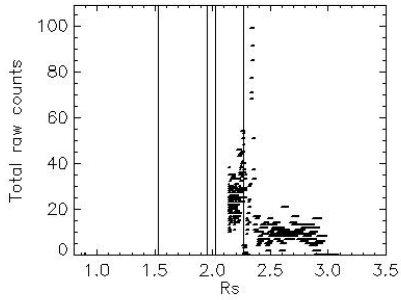
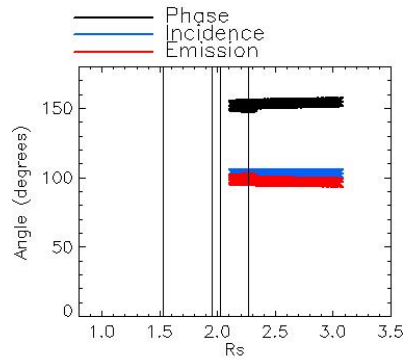
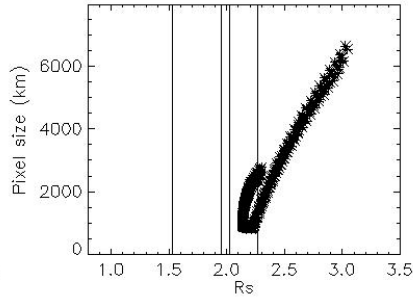
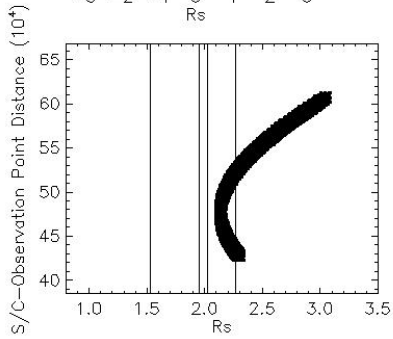


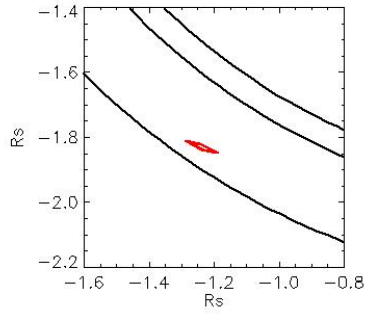
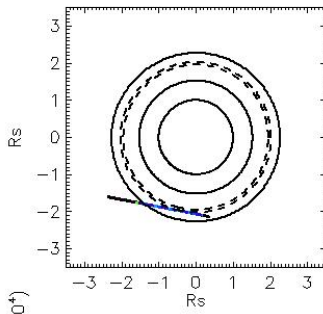
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_07_28_41

Observation Duration:
600 S

Integration time = 100 S



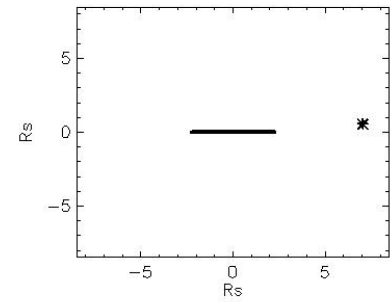
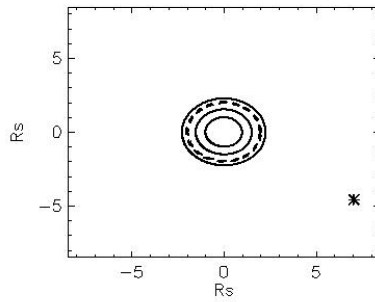
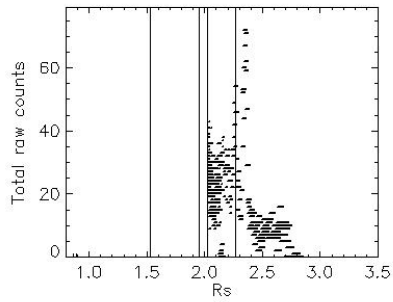
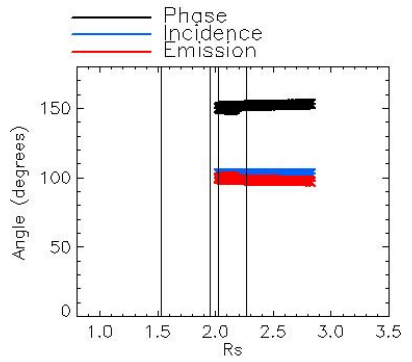
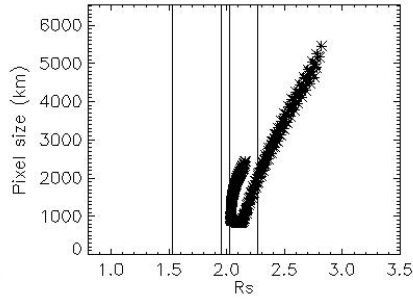
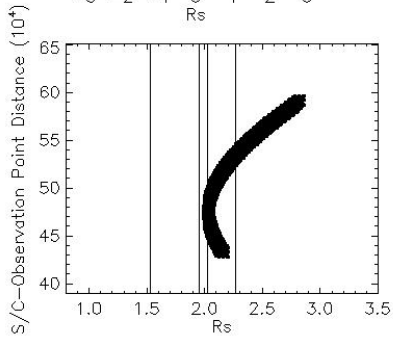


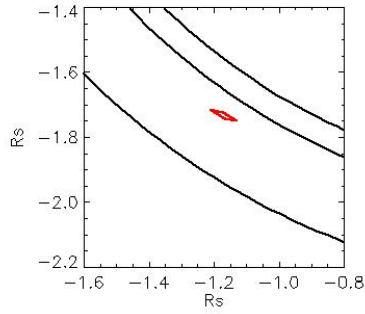
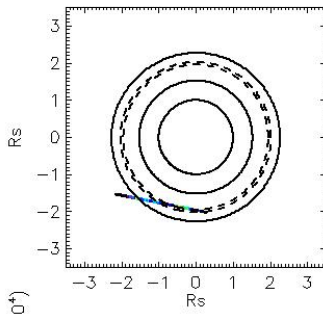
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_07_43_26

Observation Duration:
600 S

Integration time = 100 S



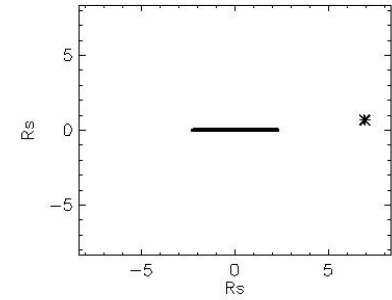
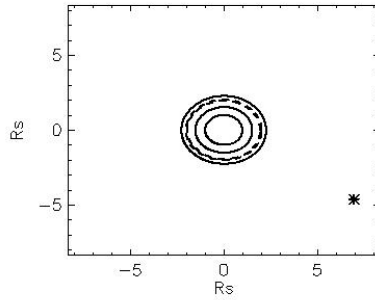
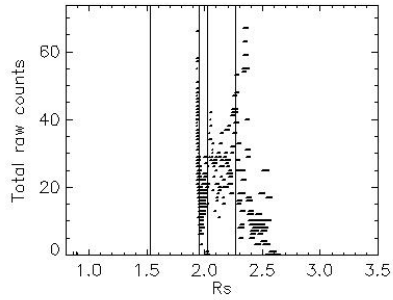
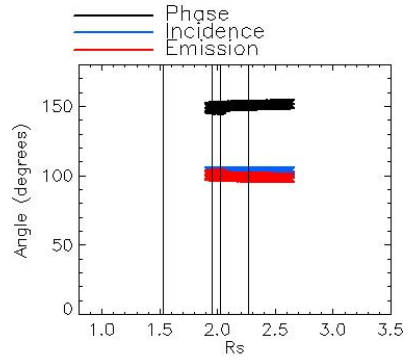
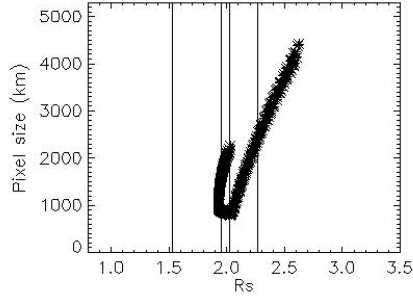
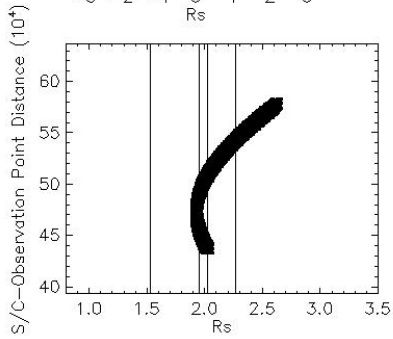


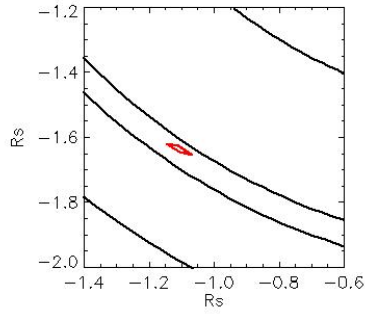
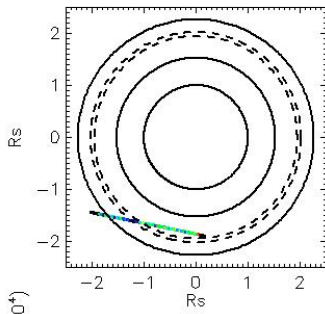
Observation Name:
UVS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_07_58_11

Observation Duration:
600 S

Integration time = 100 S



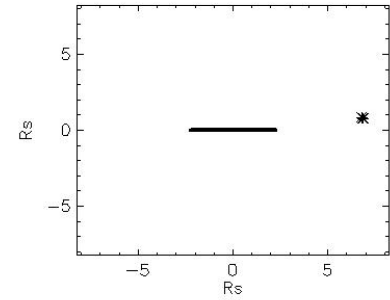
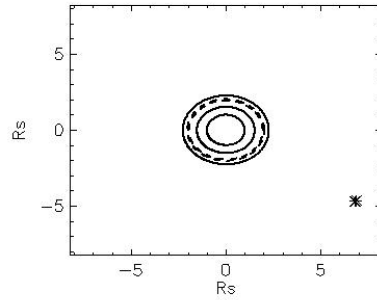
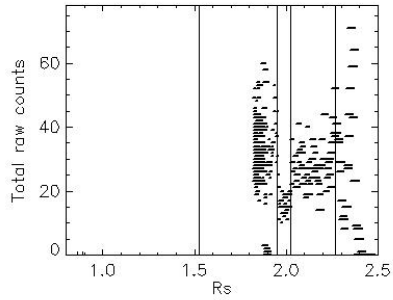
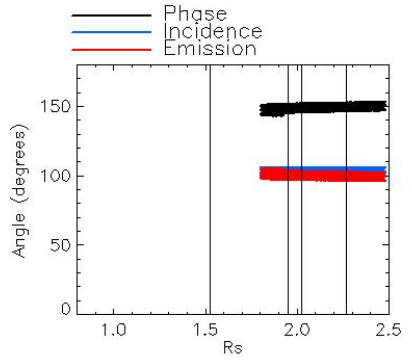
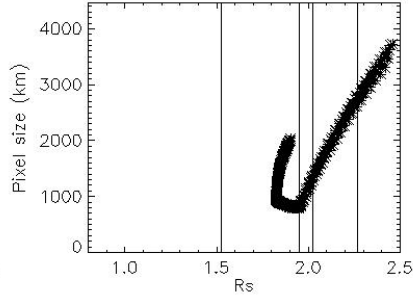
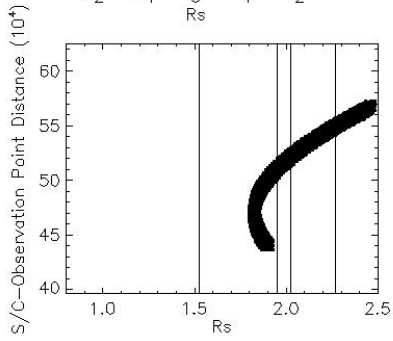


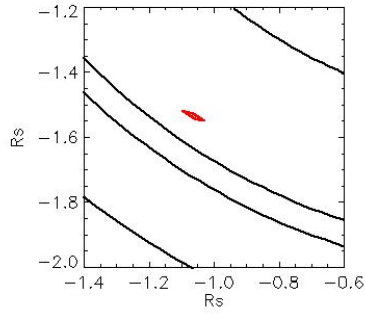
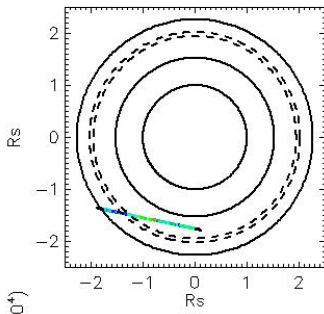
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_08_12_56

Observation Duration:
600 S

Integration time = 100 S



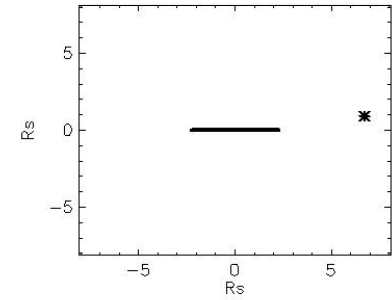
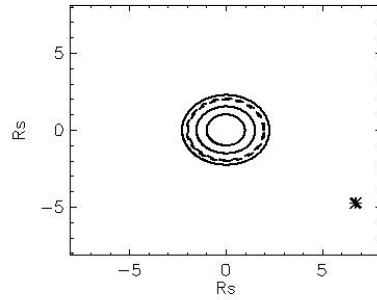
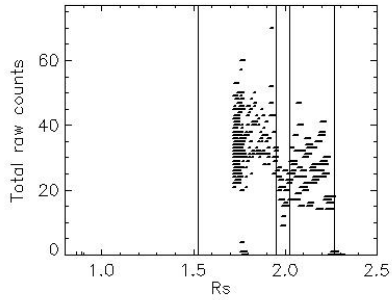
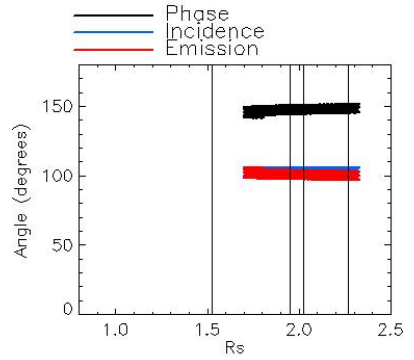
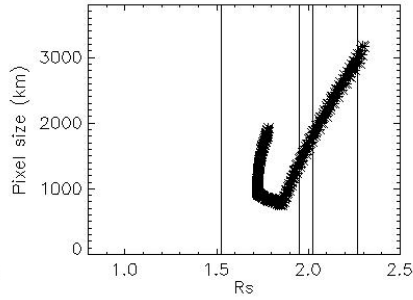
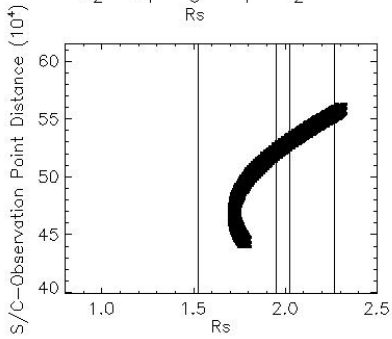


Observation Name:
UMS_042RLCOMPILIT001_VIMS

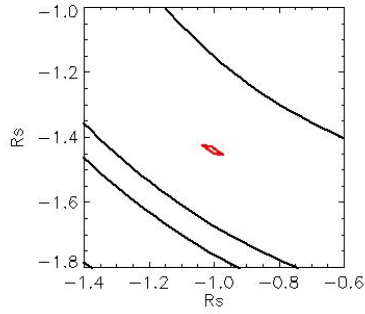
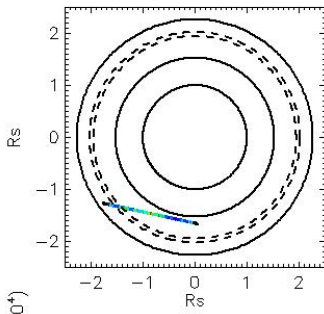
Observation Date:
2007_098_08_27_41

Observation Duration:
600 S

Integration time = 100 S



— Phase
— Incidence
— Emission

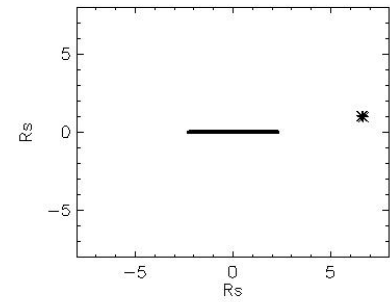
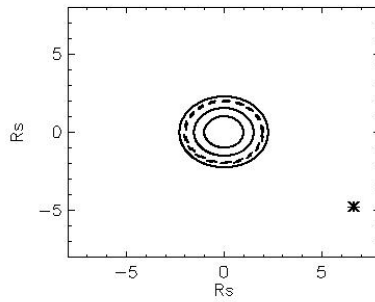
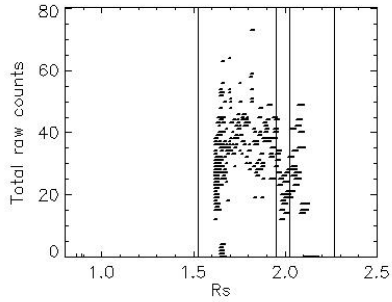
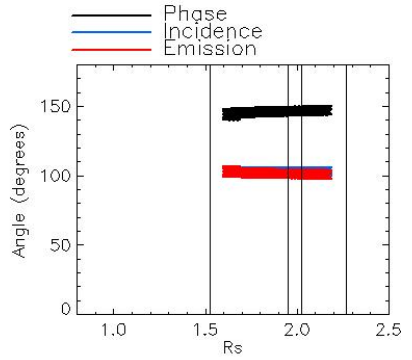
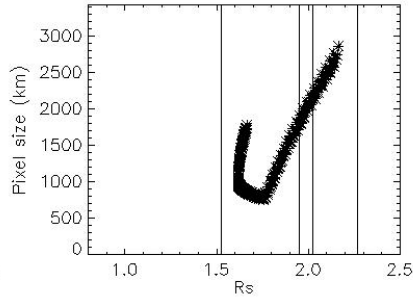
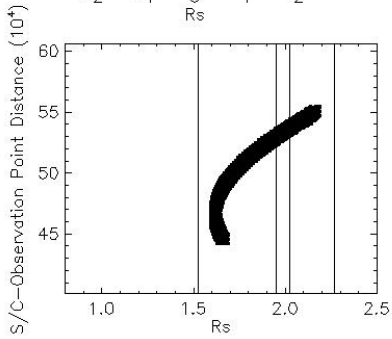


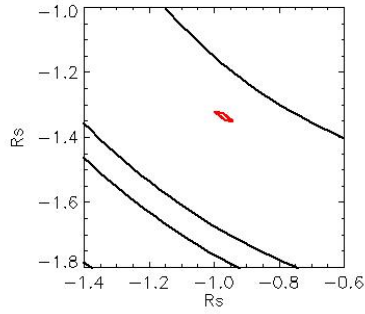
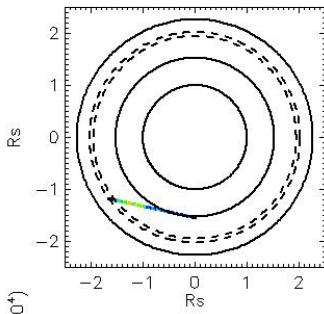
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_08_42_41

Observation Duration:
600 S

Integration time = 100 S



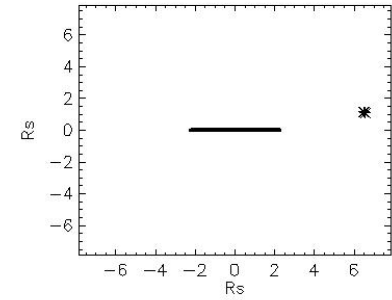
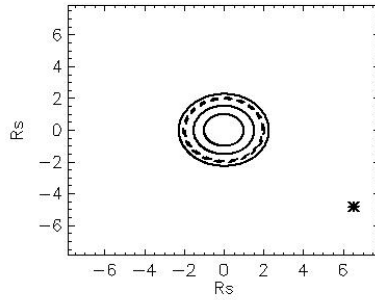
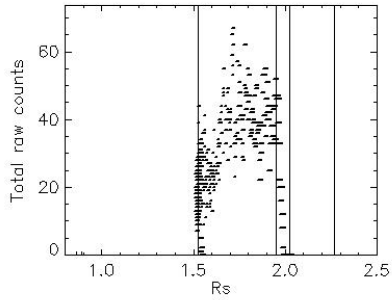
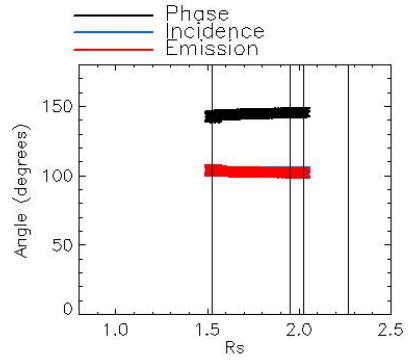
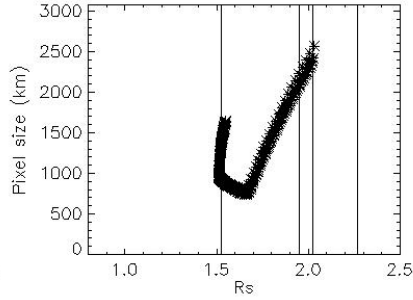
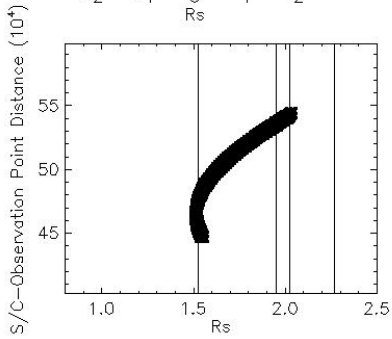


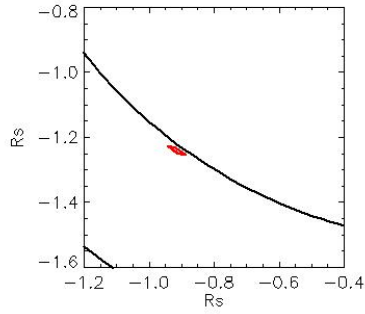
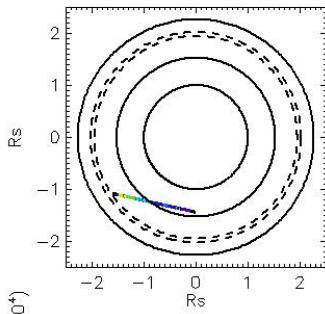
Observation Name:
UWS_042RLCOMPILIT001_VMS

Observation Date:
2007_098_08_57_26

Observation Duration:
600 S

Integration time = 100 S





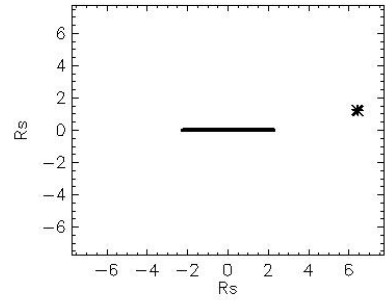
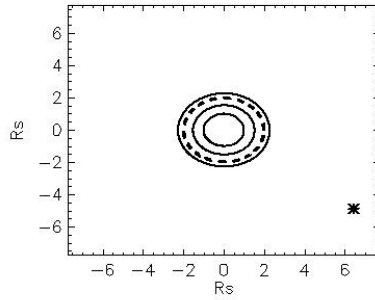
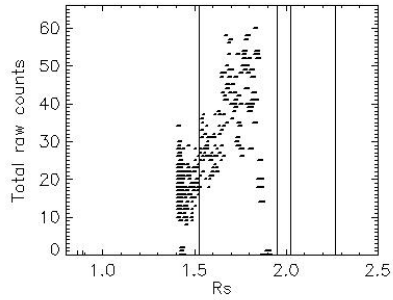
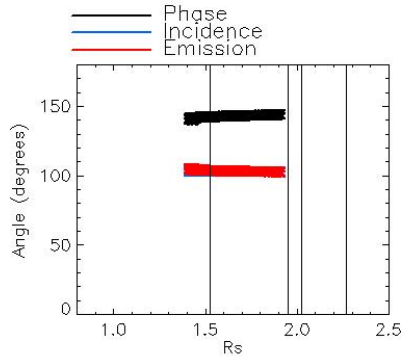
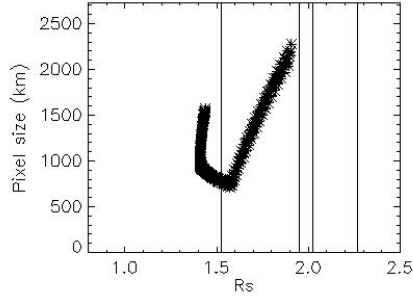
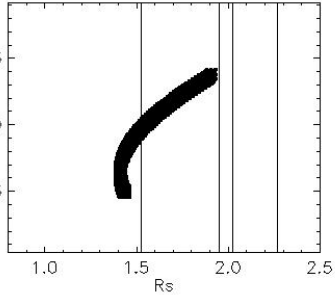
Observation Name:
UMS_042RLCOMPILIT001_VIMS

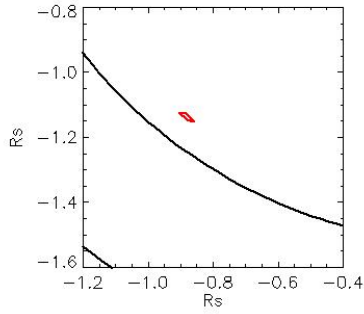
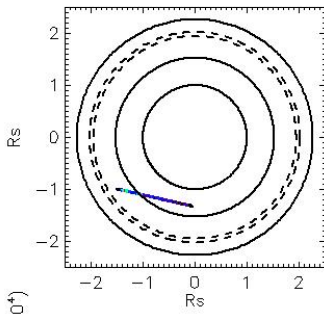
Observation Date:
2007_098_09_12_11

Observation Duration:
600 S

Integration time = 100 S

S/C—Observation Point Distance (10^4)



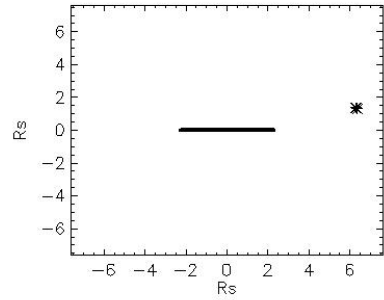
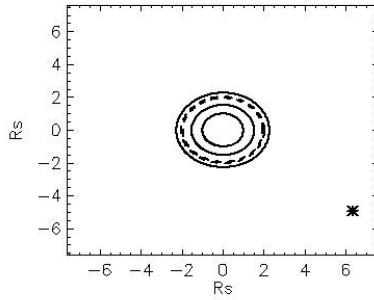
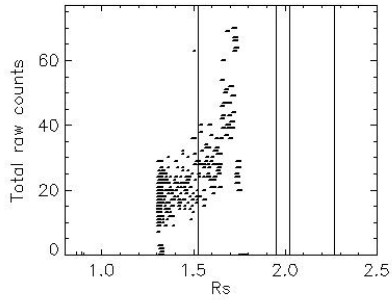
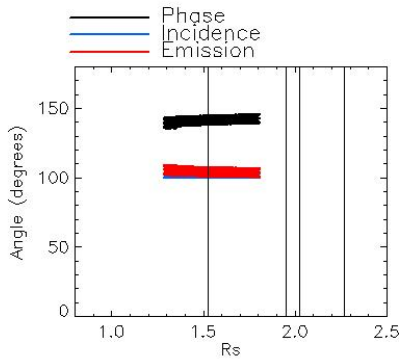
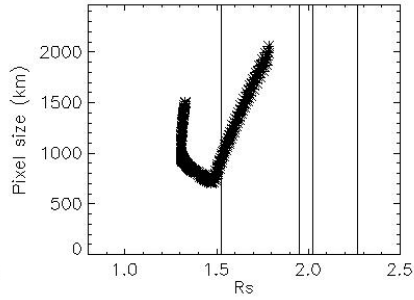
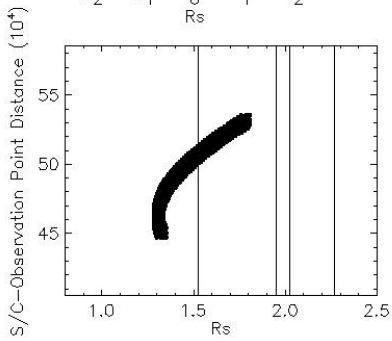


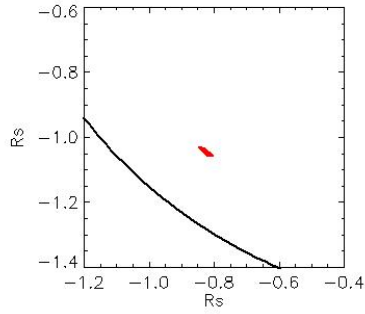
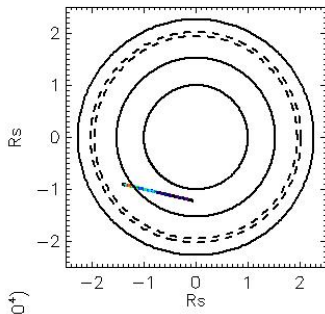
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_09_26_56

Observation Duration:
600 S

Integration time = 100 S



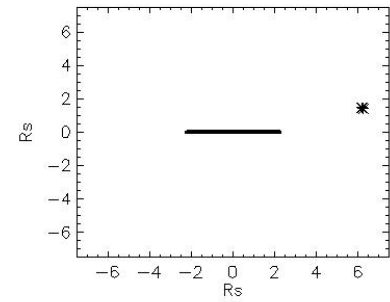
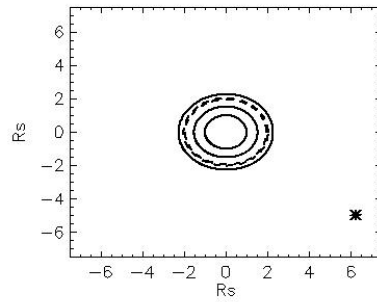
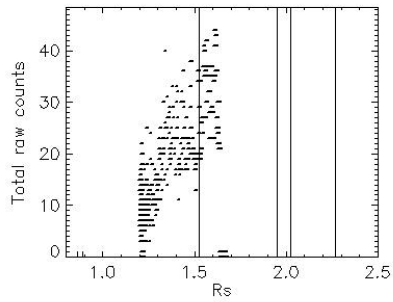
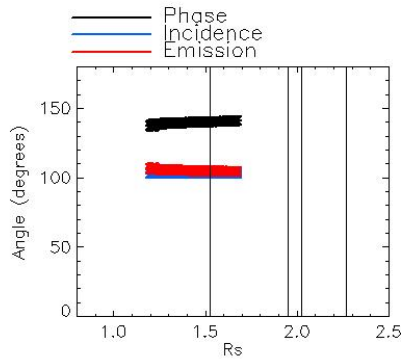
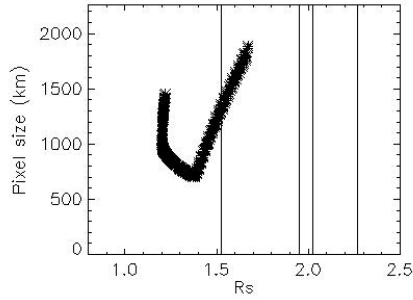
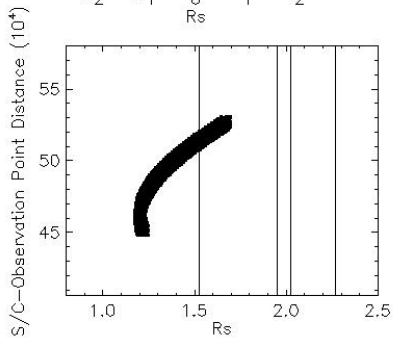


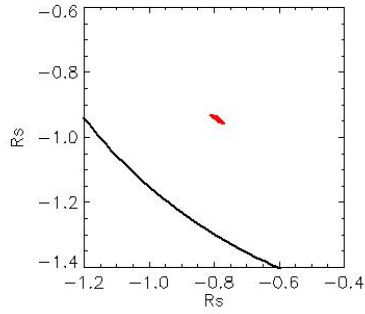
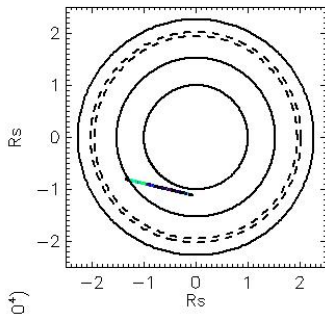
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_09_41_41

Observation Duration:
600 S

Integration time = 100 S



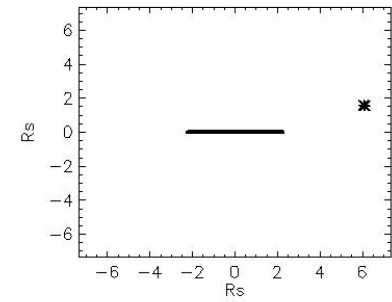
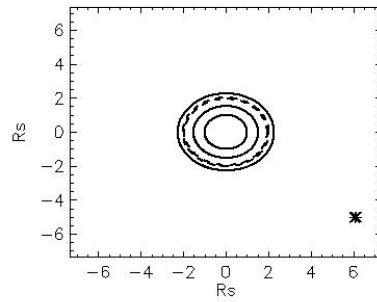
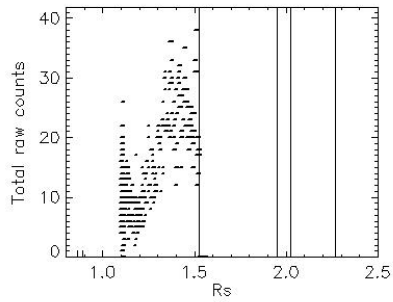
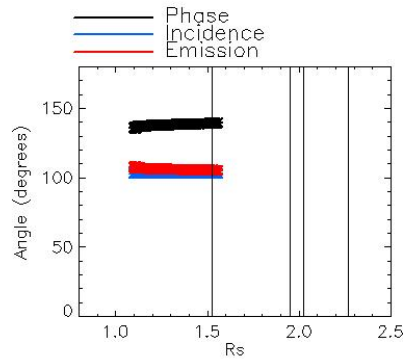
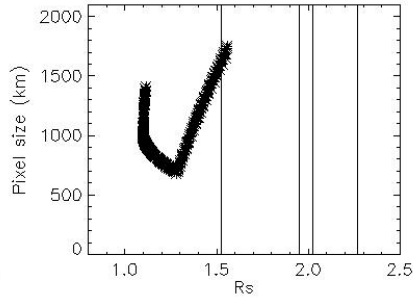
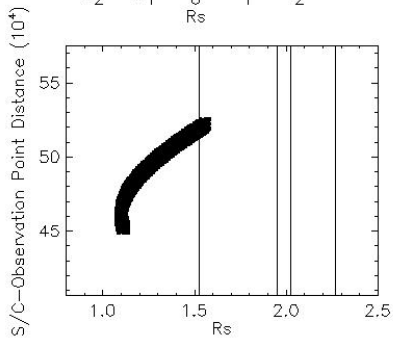


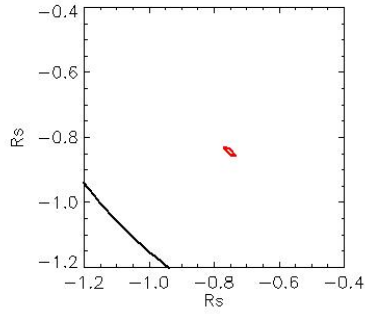
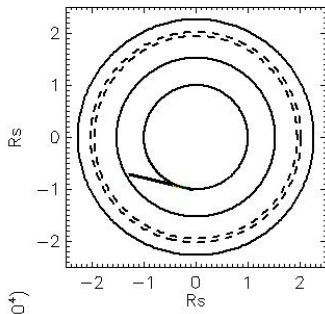
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_09_56_26

Observation Duration:
600 S

Integration time = 100 S



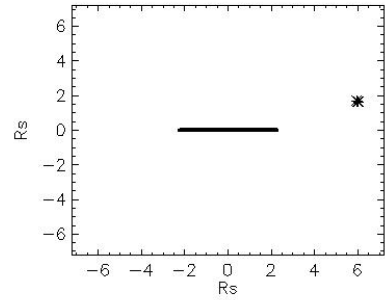
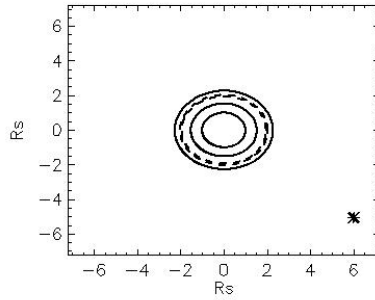
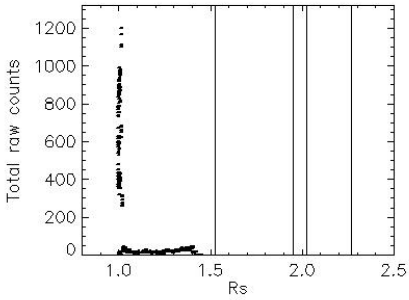
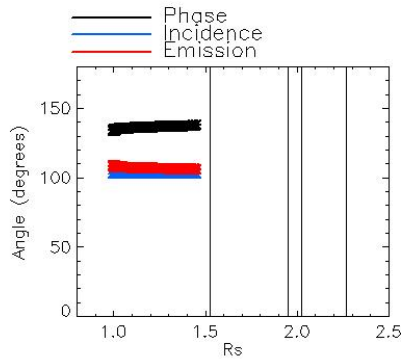
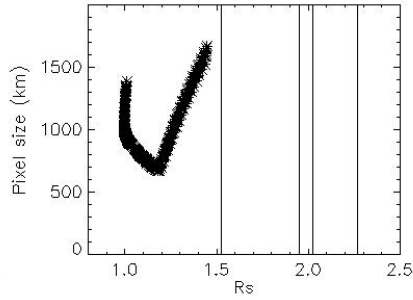
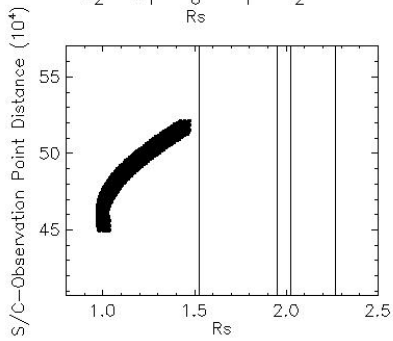


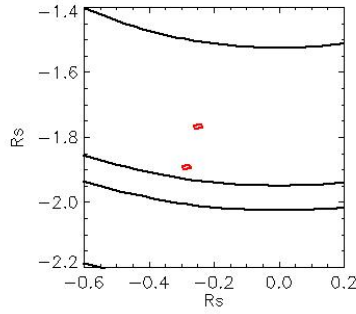
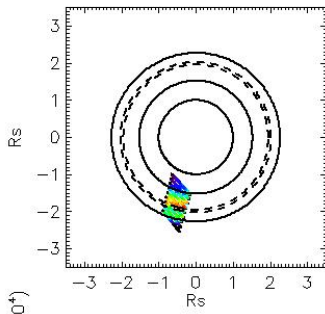
Observation Name:
UMS_042RLCOMPILIT001_VIMS

Observation Date:
2007_098_10_11_16

Observation Duration:
600 S

Integration time = 100 S



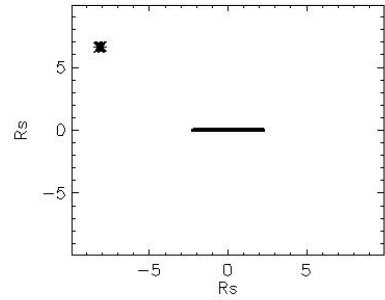
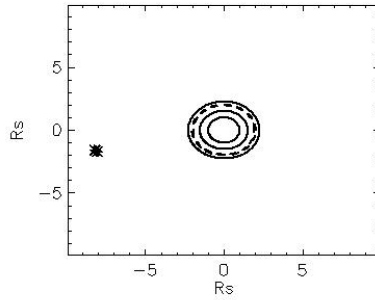
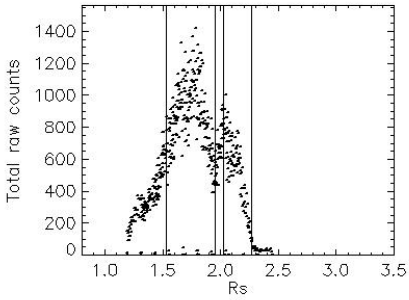
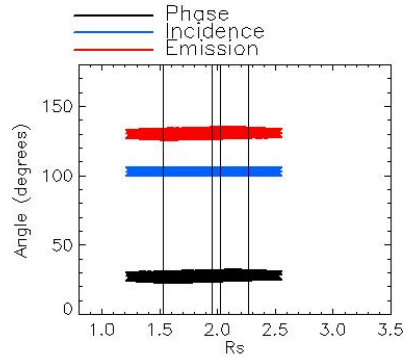
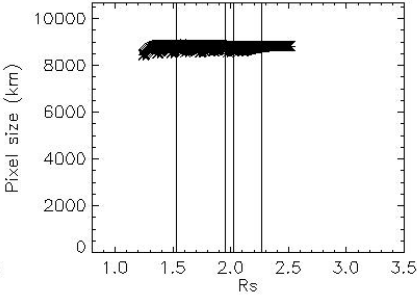
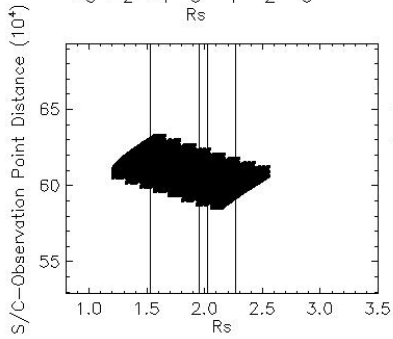


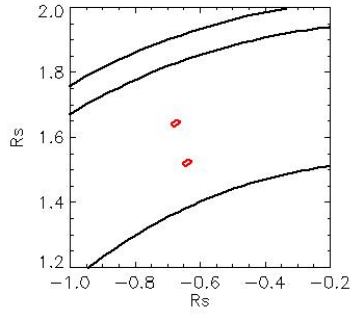
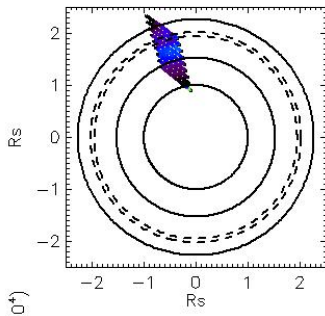
Observation Name:
UMS_042RLTEMPL43LP001_CIRS

Observation Date:
2007_099_10_25_51

Observation Duration:
2400 S

Integration time = 300 S



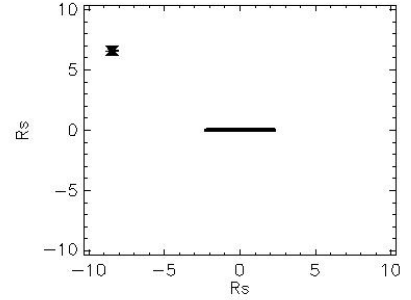
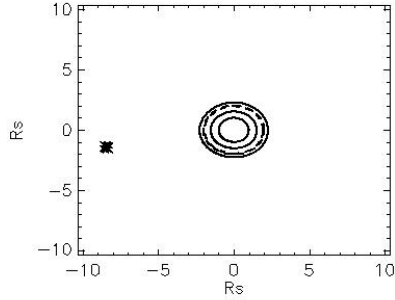
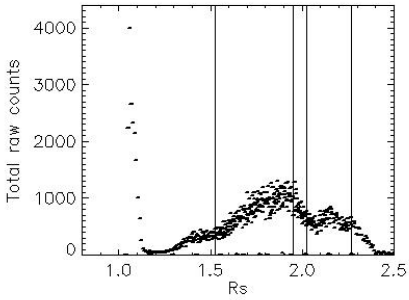
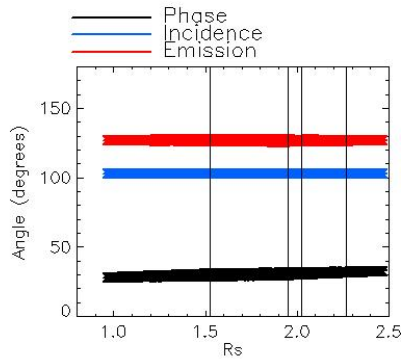
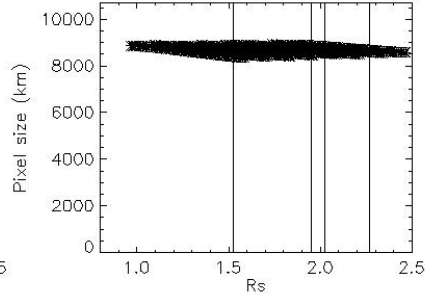
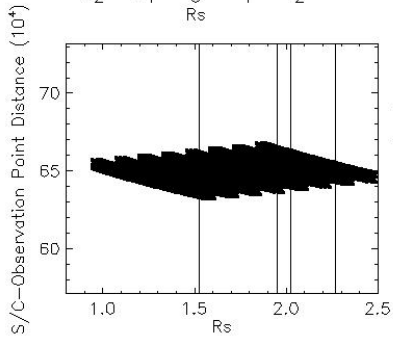


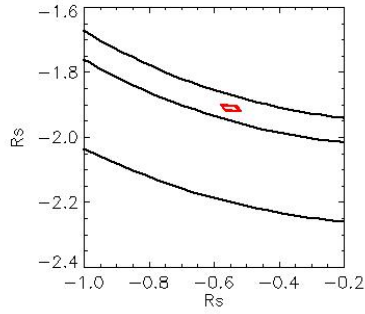
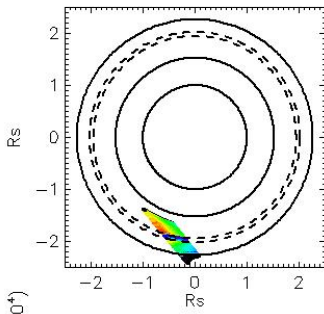
Observation Name:
UMS_042RLTEMPL43LP001_CIRS

Observation Date:
2007_099_11_15_51

Observation Duration:
2400 S

Integration time = 300 S



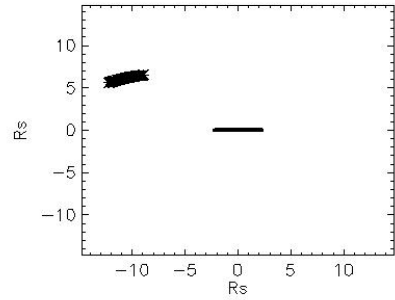
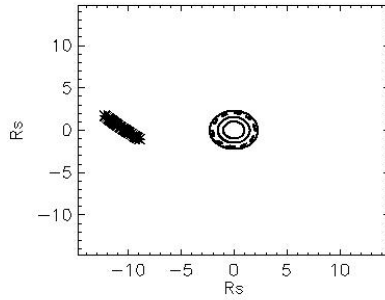
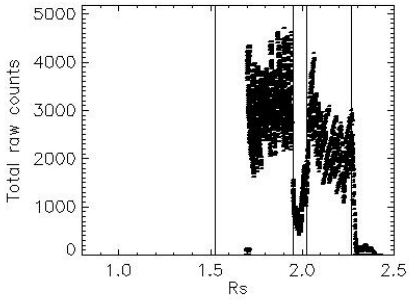
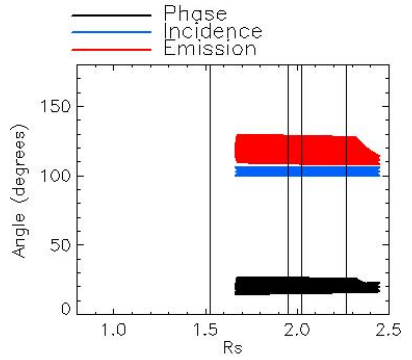
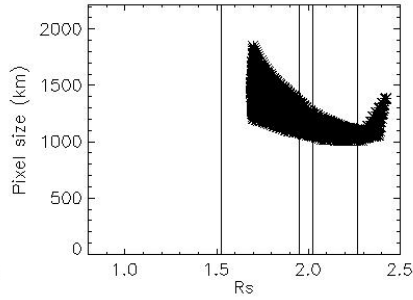
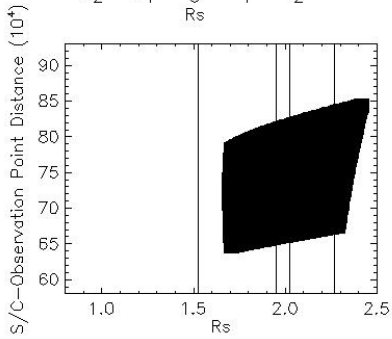


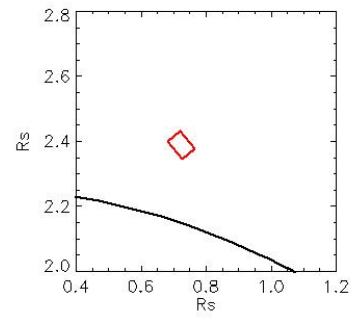
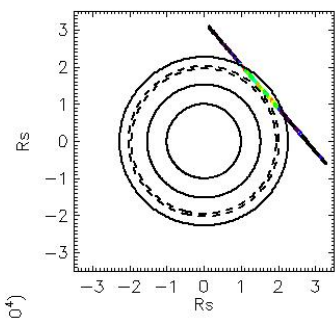
Observation Name:
UMS_042RLLPHRLFM0V001_ISS

Observation Date:
2007_099_12_34_51

Observation Duration:
34800 S

Integration time = 600 S





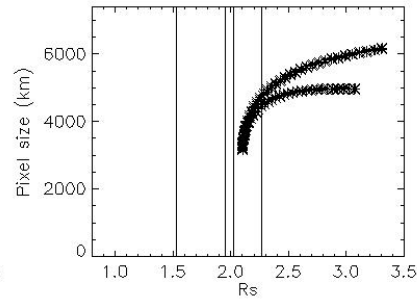
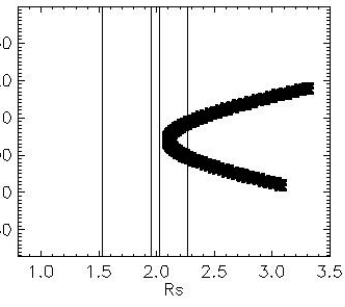
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_08_23_51

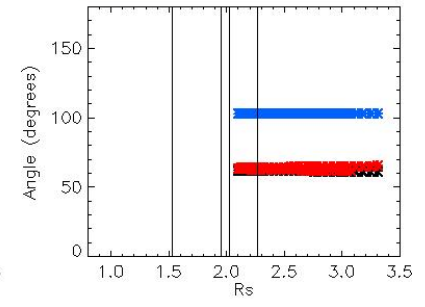
Observation Duration:
120 S

Integration time = 60 S

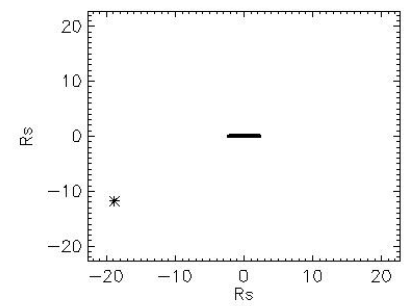
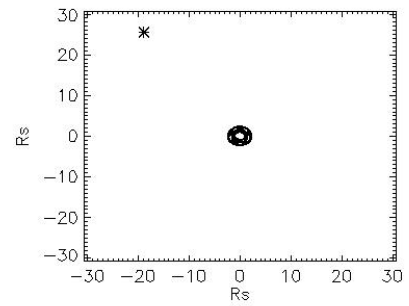
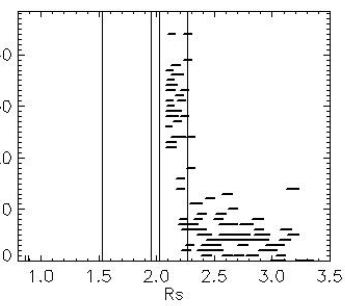
S/C-Observation Point Distance (10^4)

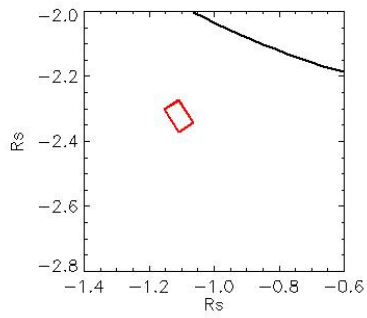
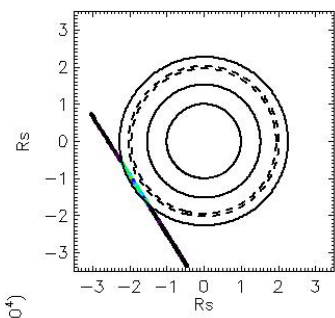


— Phase
— Incidence
— Emission



Total raw counts



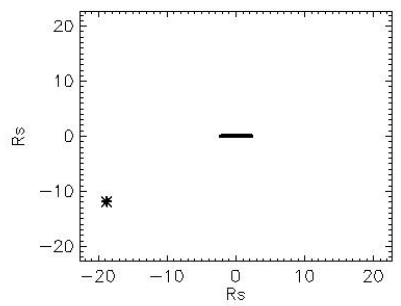
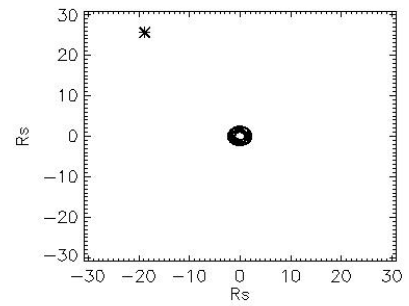
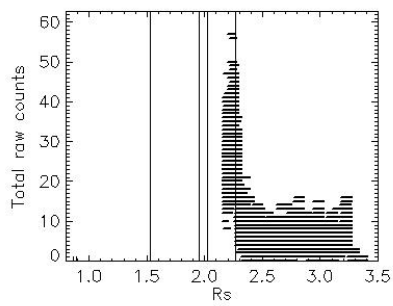
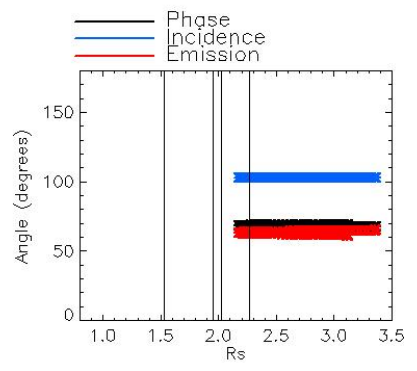
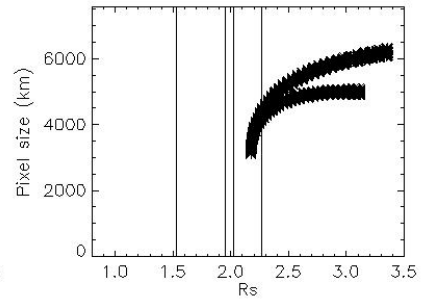
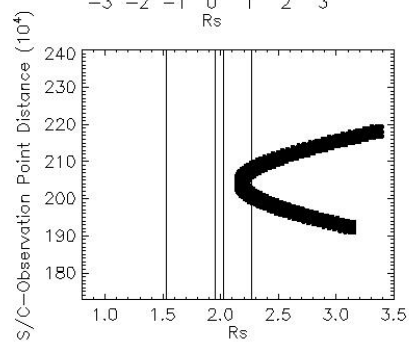


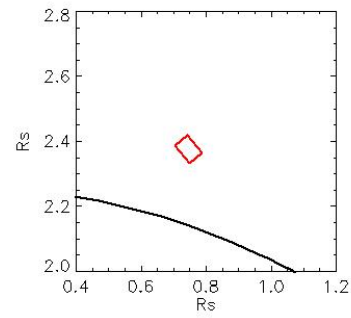
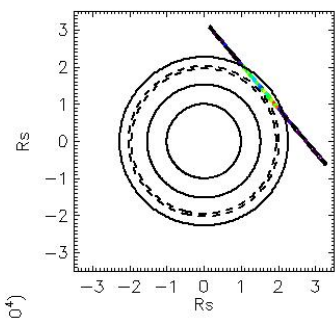
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_08_31_51

Observation Duration:
5100 S

Integration time = 60 S



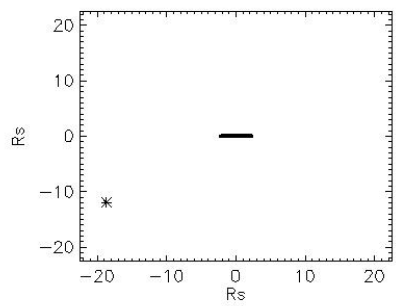
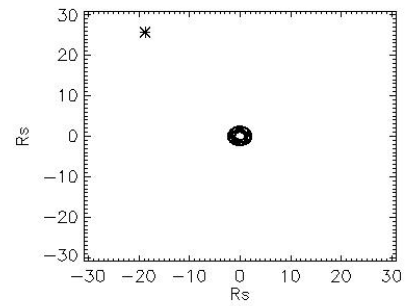
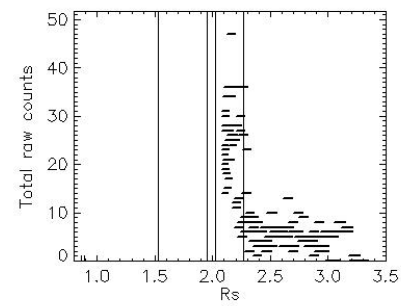
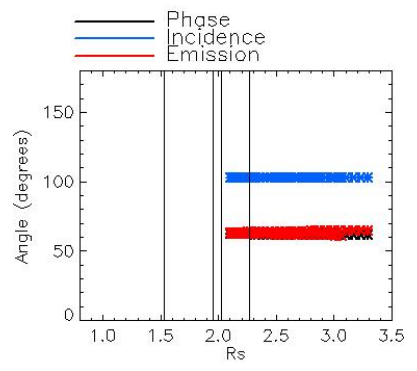
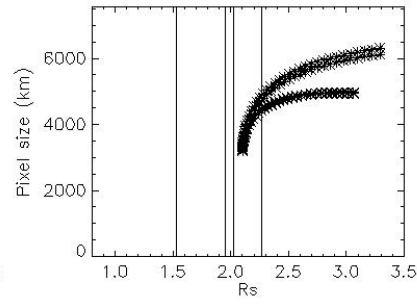
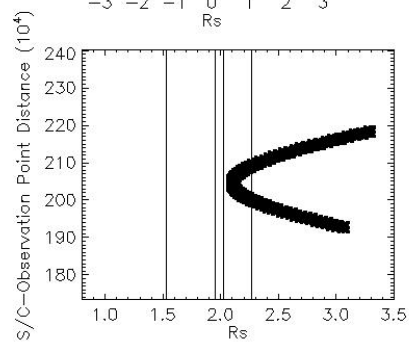


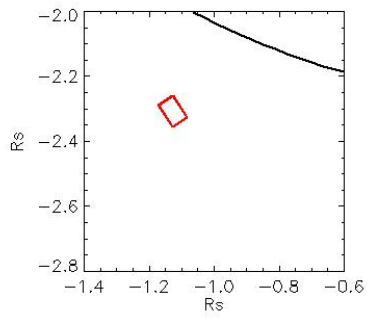
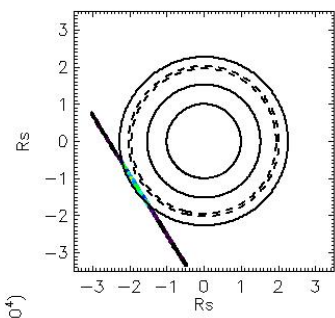
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_10_21_51

Observation Duration:
120 S

Integration time = 60 S



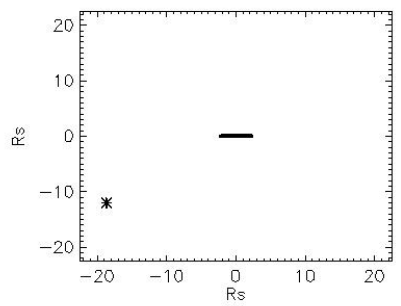
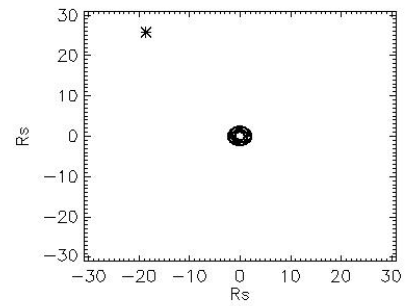
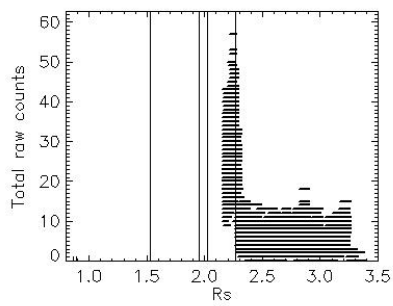
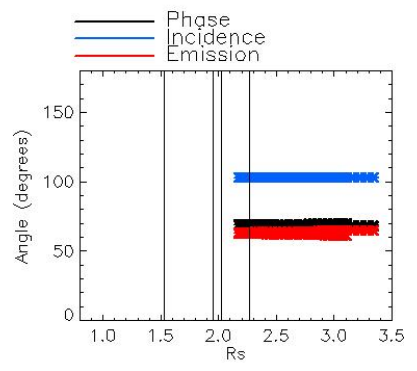
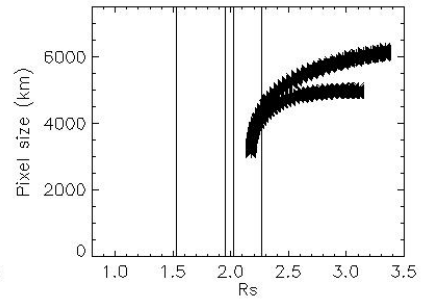
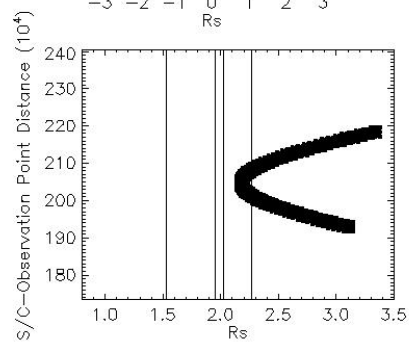


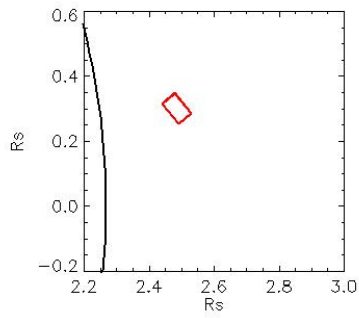
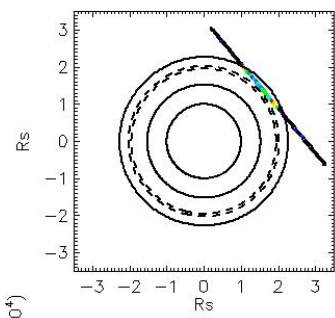
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_10_29_51

Observation Duration:
3600 S

Integration time = 60 S



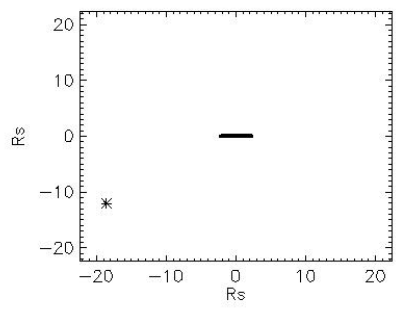
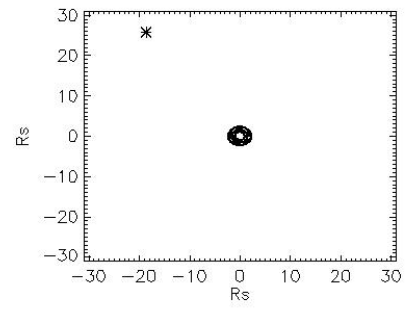
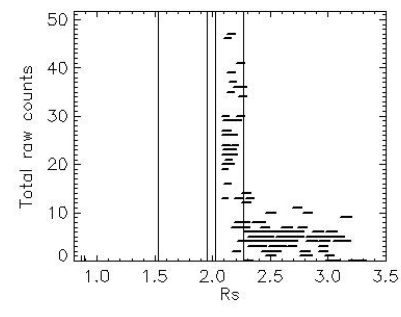
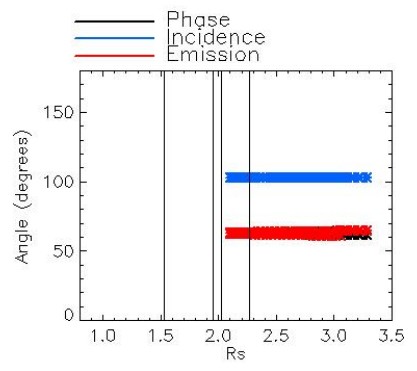
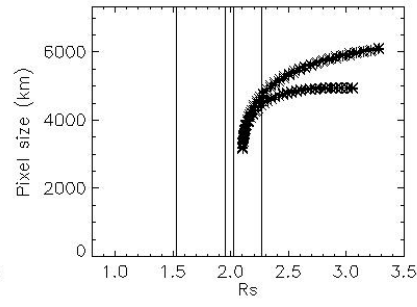
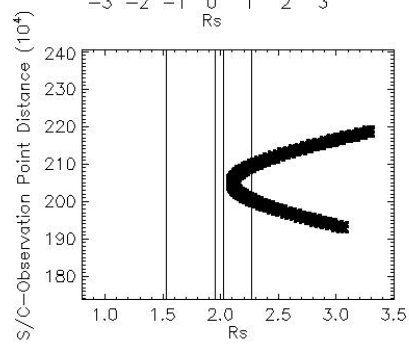


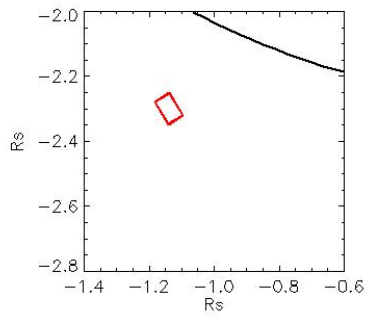
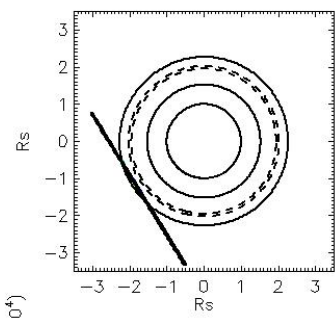
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_11_49_51

Observation Duration:
120 S

Integration time = 60 S



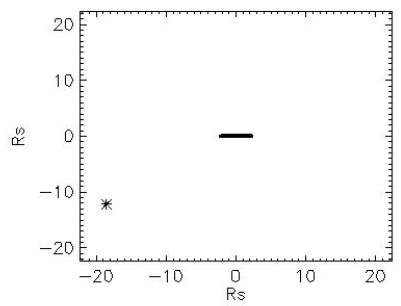
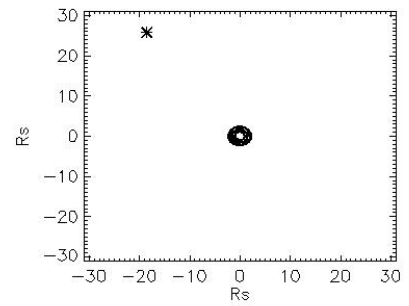
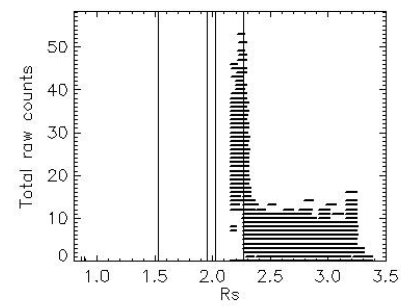
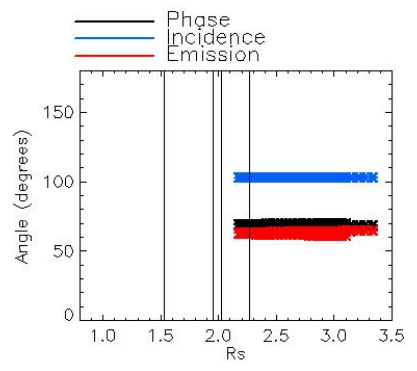
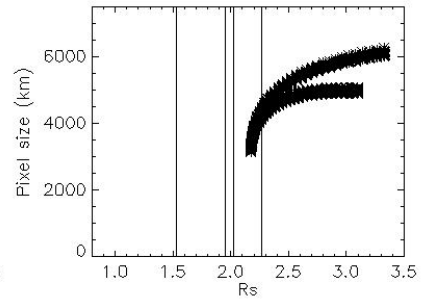
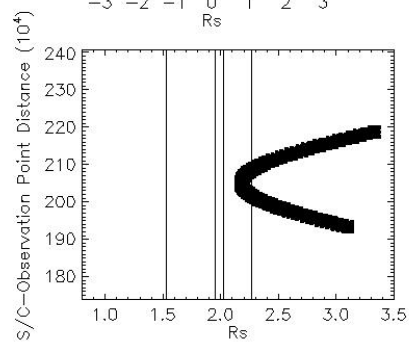


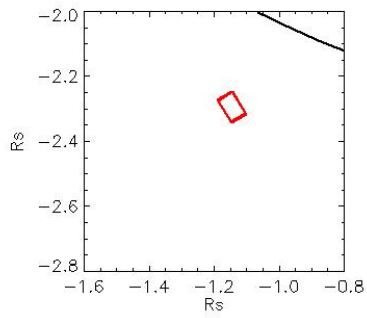
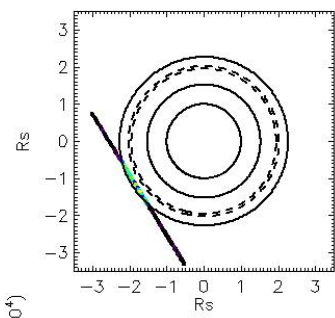
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_11_57_51

Observation Duration:
2580 S

Integration time = 60 S



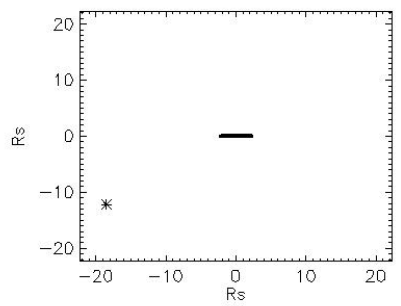
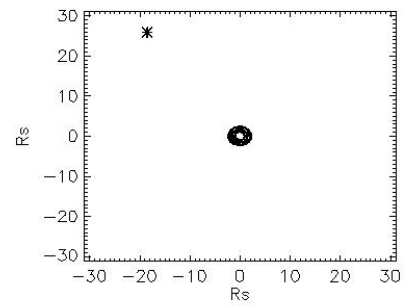
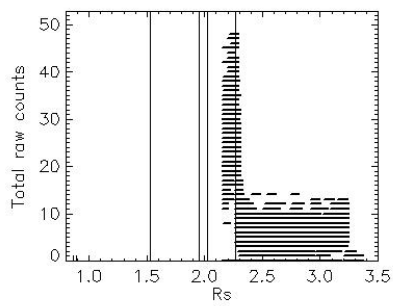
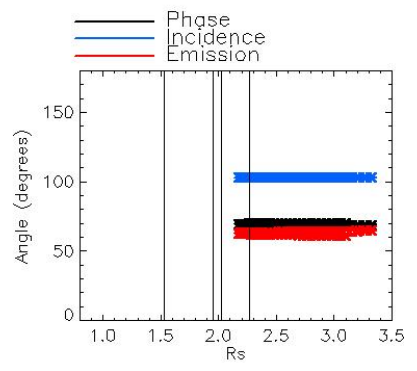
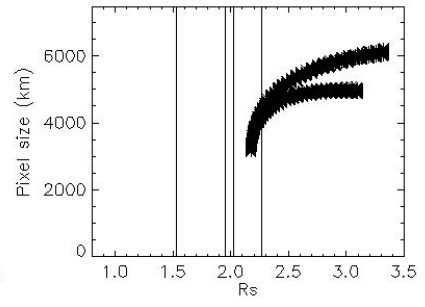
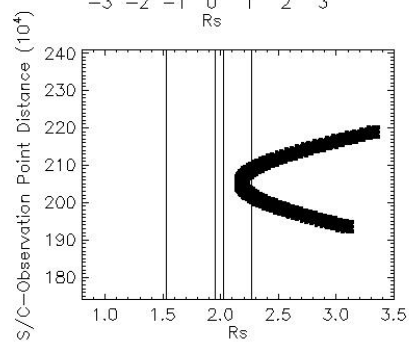


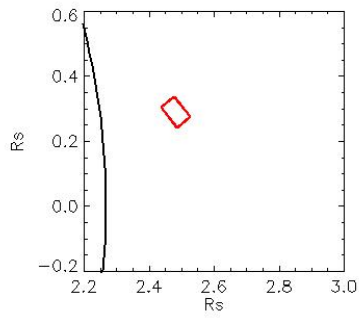
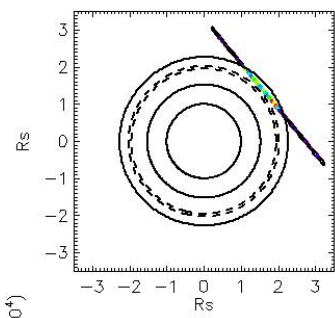
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_12_44_51

Observation Duration:
2280 S

Integration time = 60 S



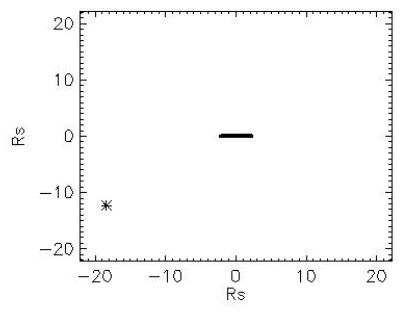
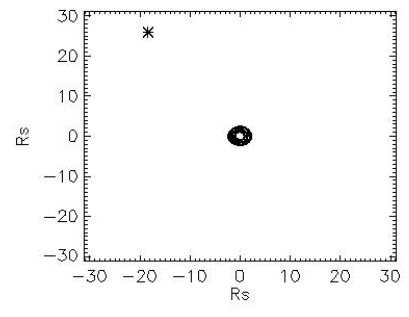
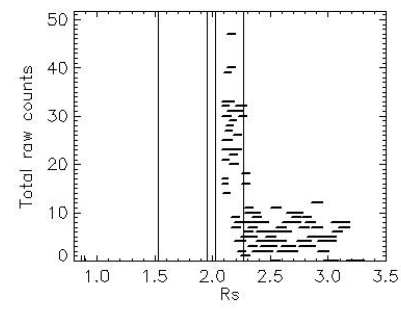
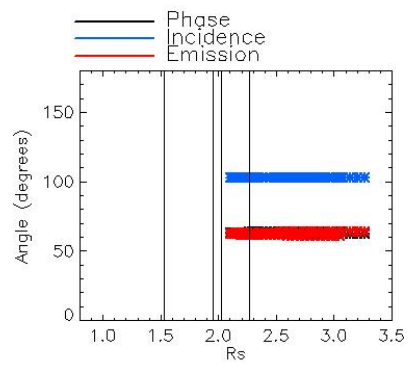
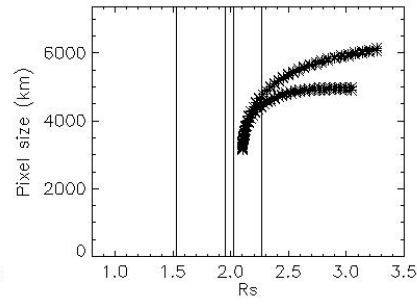
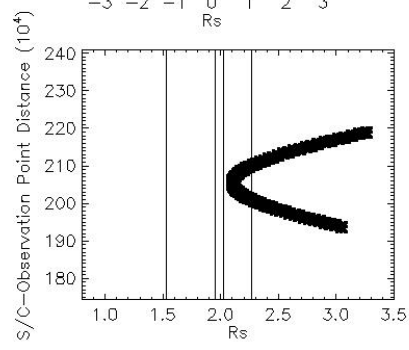


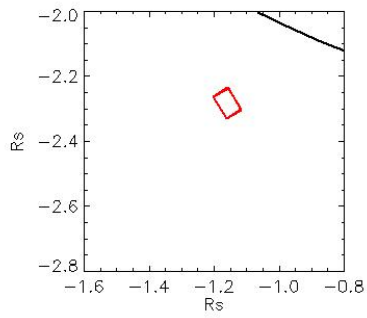
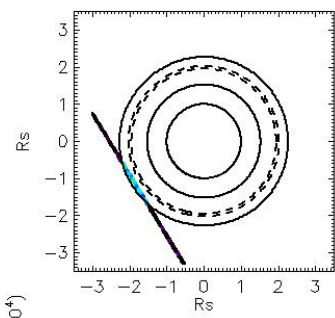
Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_13_47_51

Observation Duration:
120 S

Integration time = 60 S





Observation Name:
UVIS_042RLFMONITOR002_CIRS

Observation Date:
2007_105_13_55_51

Observation Duration:
2040 S

Integration time = 60 S

