

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.

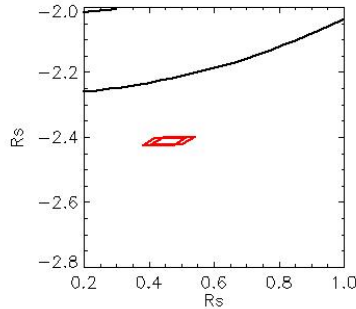
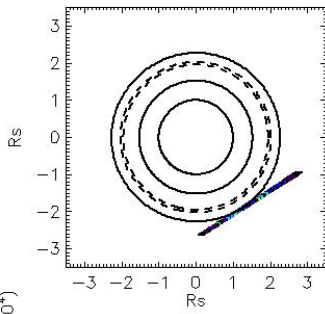
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.



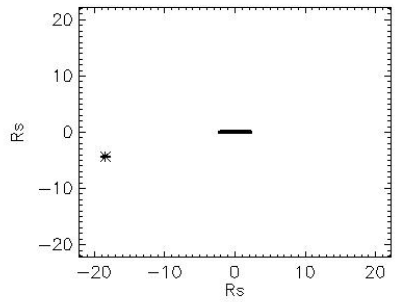
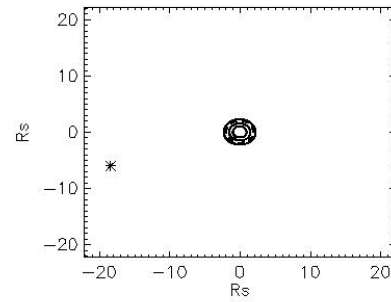
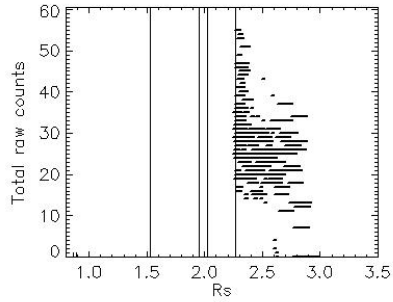
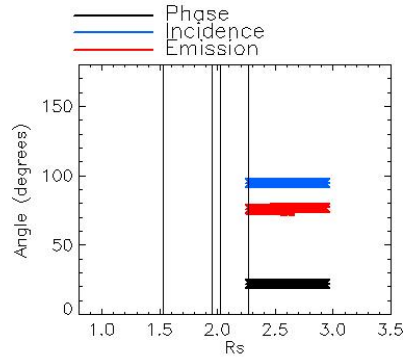
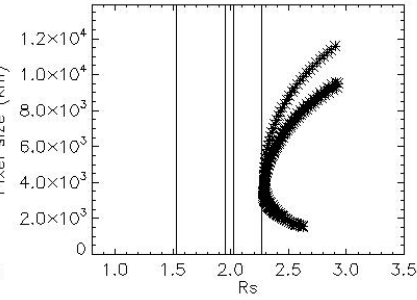
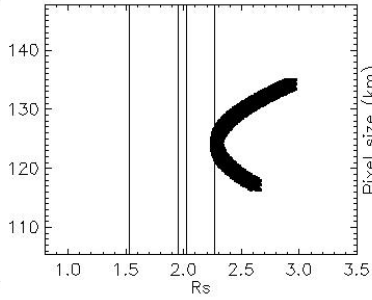
Observation Name:
UVIS_089RLTMAPN20LP001_CIRS

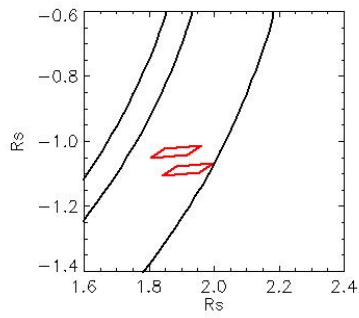
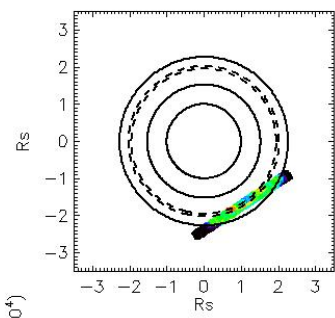
Observation Date:
2008_287_23_49_51

Observation Duration:
1200 S

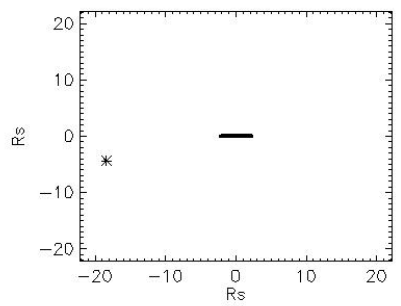
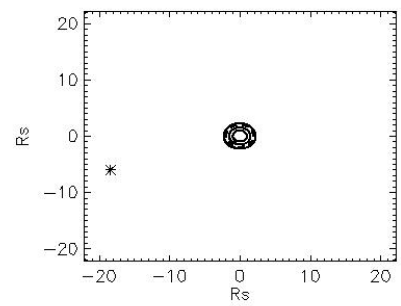
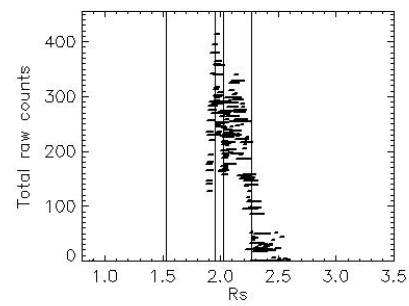
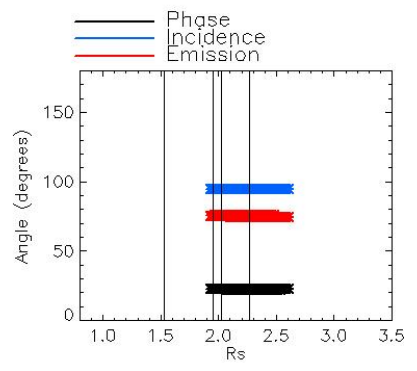
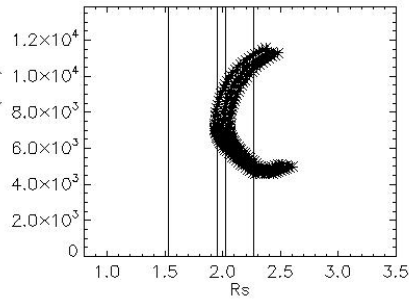
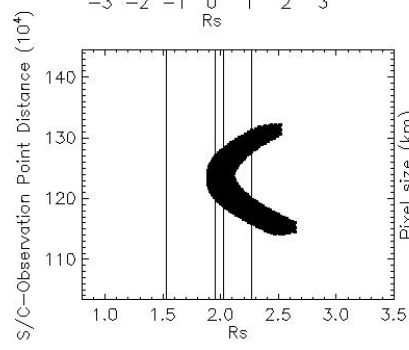
Integration time = 300 S

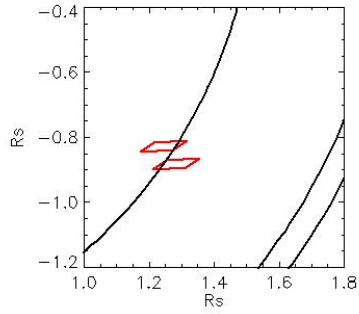
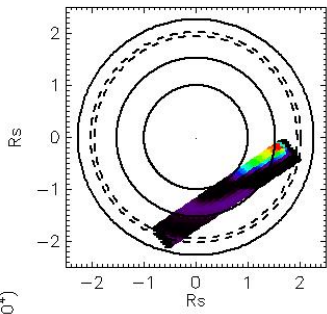
S/C—Observation Point Distance (10^4)





Observation Name:
 UVS_089RLTMAPN20LP001_CIRS
 Observation Date:
 2008_288_00_14_50
 Observation Duration:
 900 S
 Integration time = 300 S



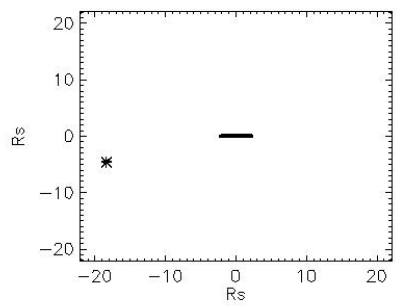
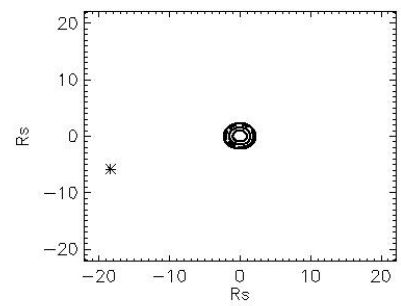
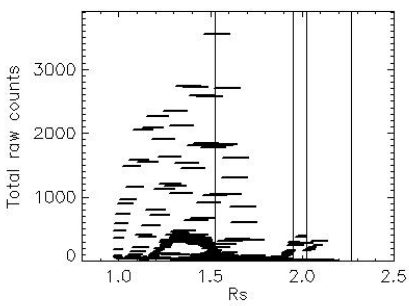
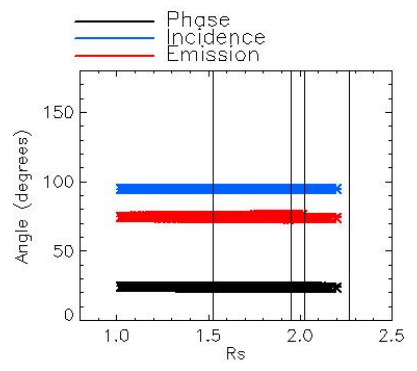
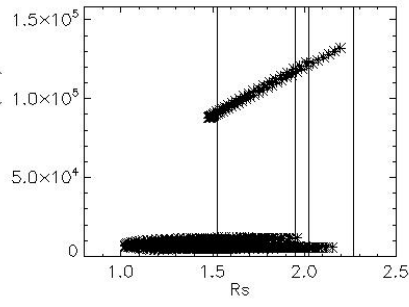
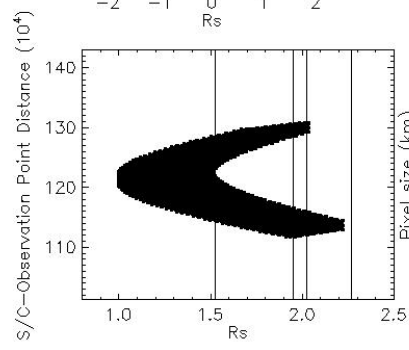


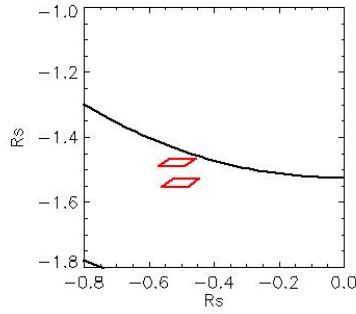
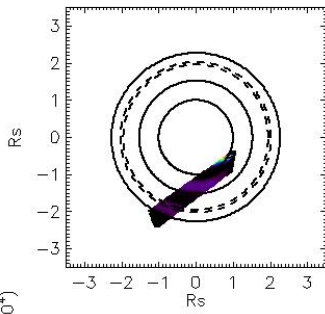
Observation Name:
UVIS_089RLTMAPN20LP001_CIRS

Observation Date:
2008_288_00_54_50

Observation Duration:
2700 S

Integration time = 300 S



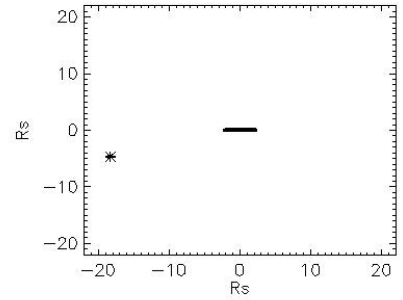
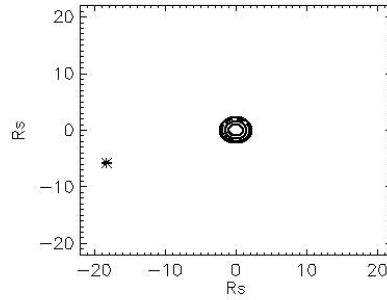
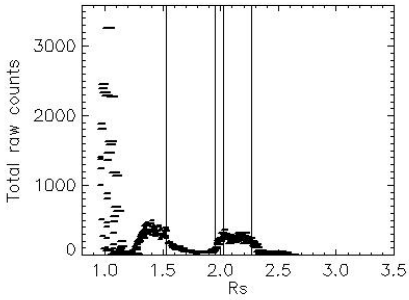
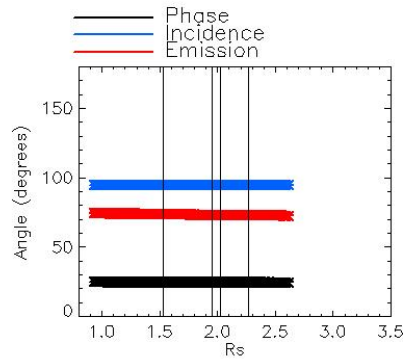
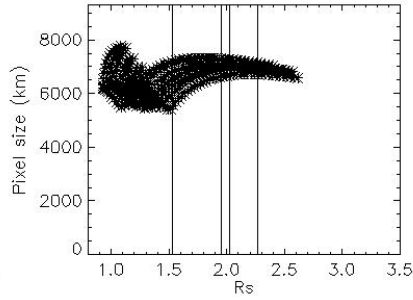
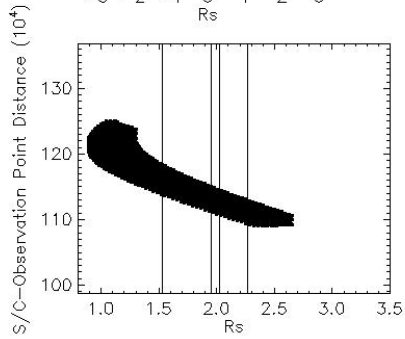


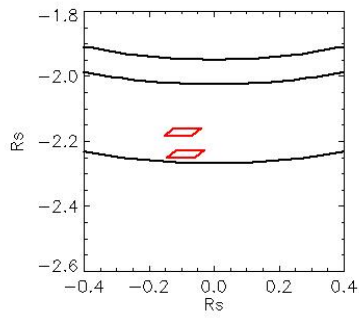
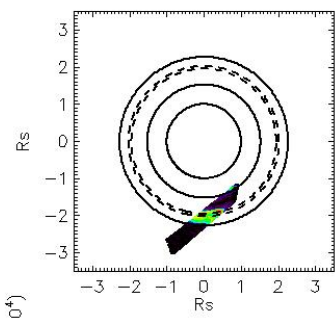
Observation Name:
UVIS_089RLTMAPN20LP001_CIRS

Observation Date:
2008_288_01_45_51

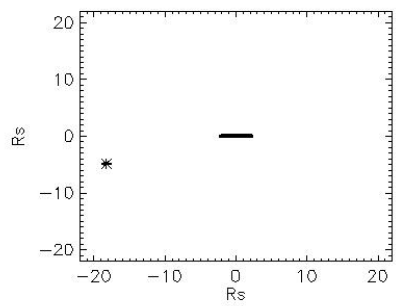
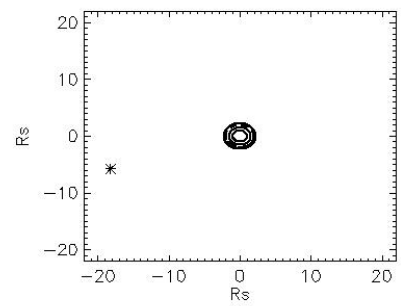
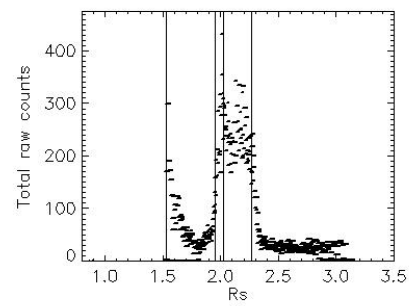
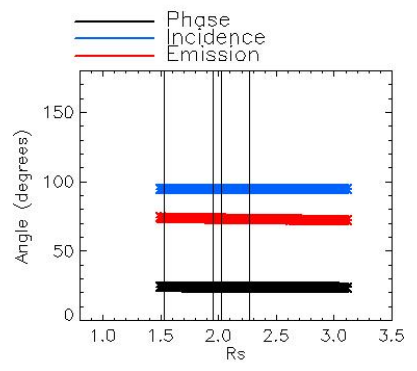
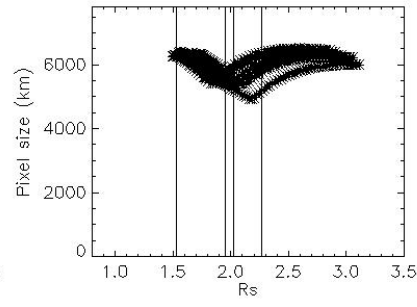
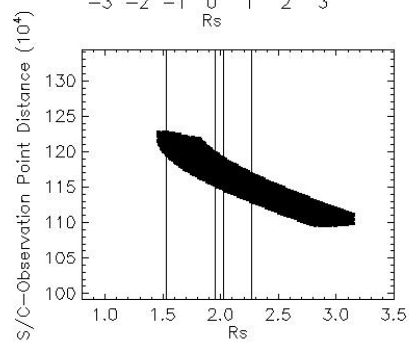
Observation Duration:
2100 S

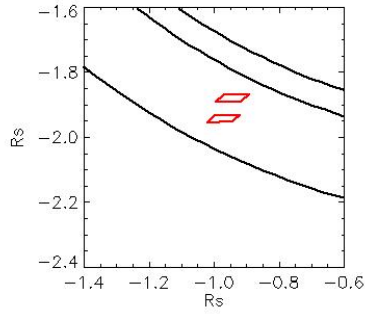
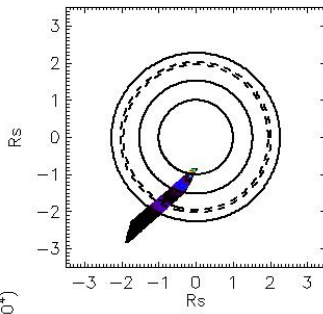
Integration time = 300 S





Observation Name:
UVIS_089RLTMAPN20LP001_CIRS
Observation Date:
2008_288_02_30_51
Observation Duration:
2400 S
Integration time = 300 S



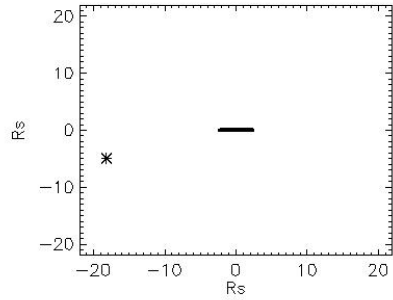
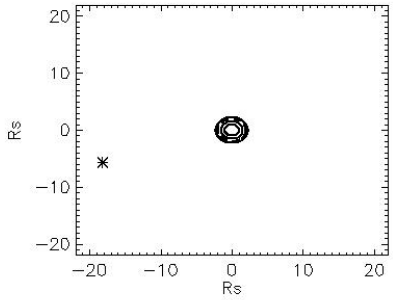
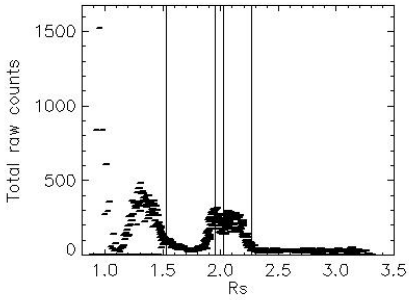
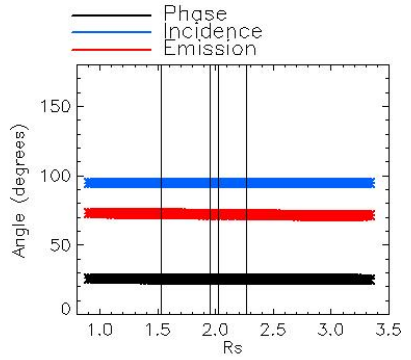
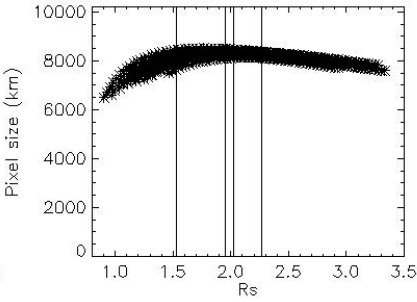
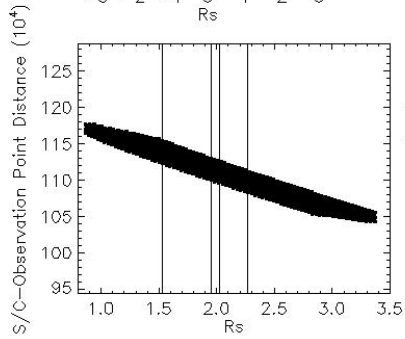


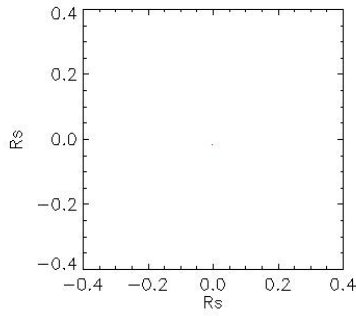
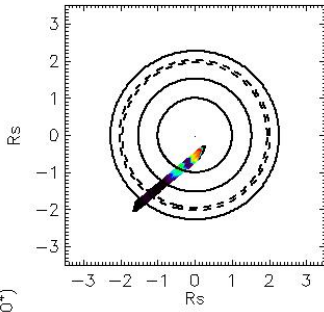
Observation Name:
UMS_089RLMAPN20LP001_CIRS

Observation Date:
2008_288_03_16_51

Observation Duration:
2700 S

Integration time = 300 S



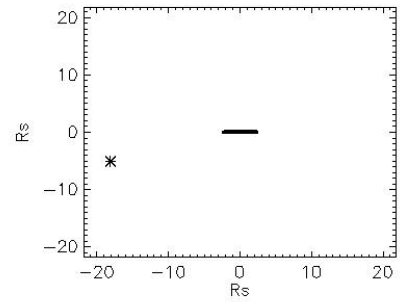
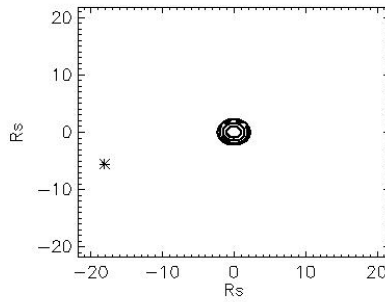
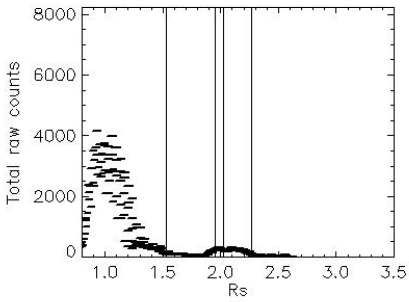
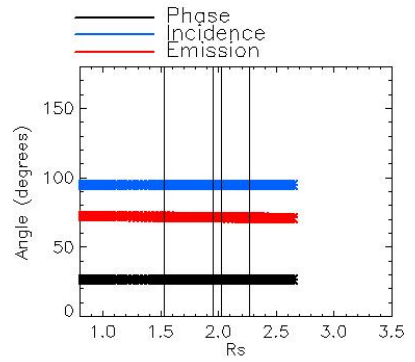
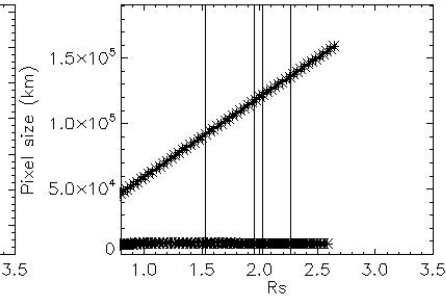
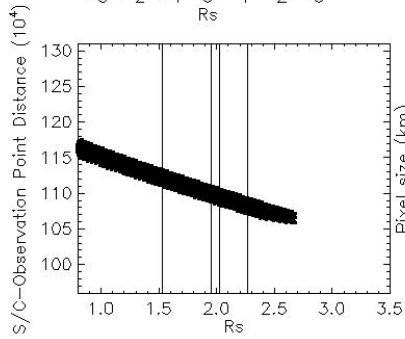


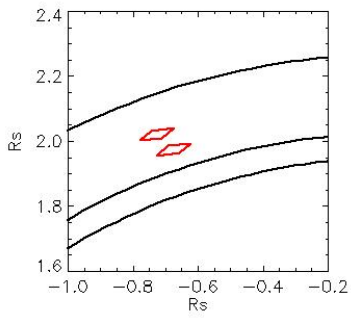
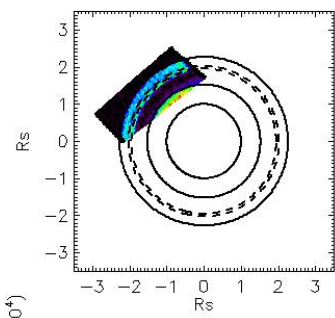
Observation Name:
UVIS_089RLTMAPN20LP001_CIRS

Observation Date:
2008_288_04_11_51

Observation Duration:
1800 S

Integration time = 300 S



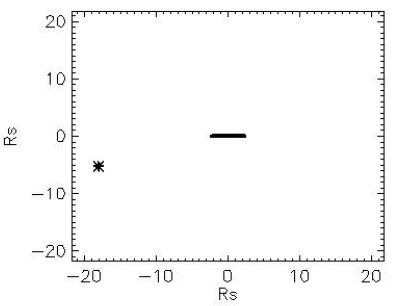
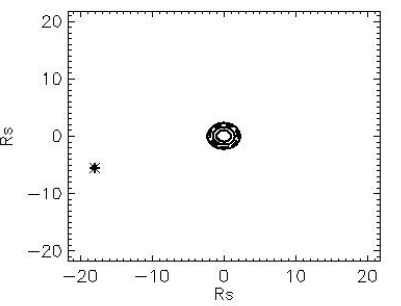
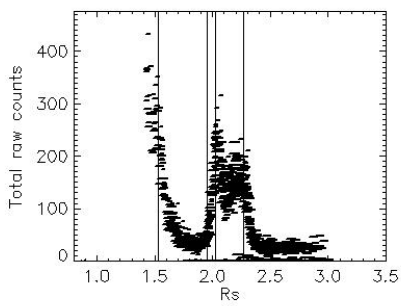
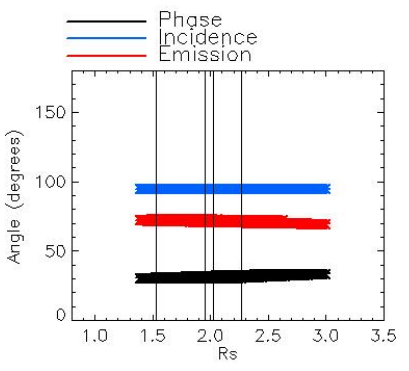
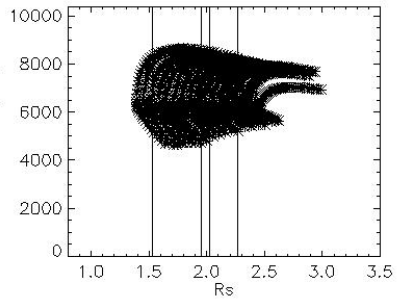
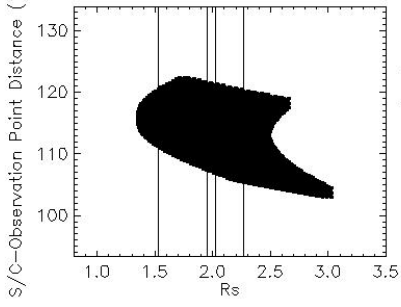


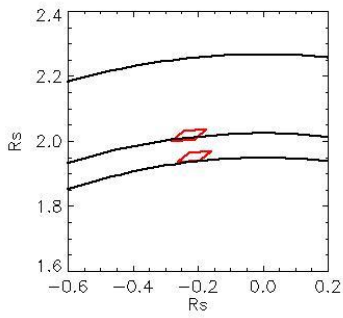
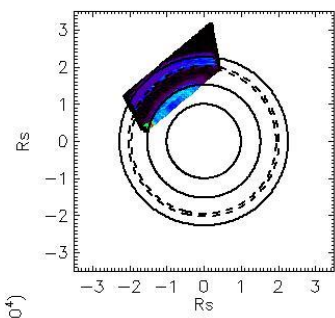
Observation Name:
UVIS_089RLMAPN20LP001_CIRS

Observation Date:
2008_288_04_47_51

Observation Duration:
5100 S

Integration time = 300 S



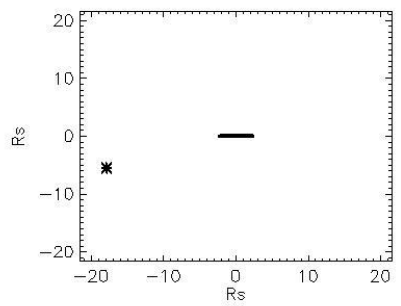
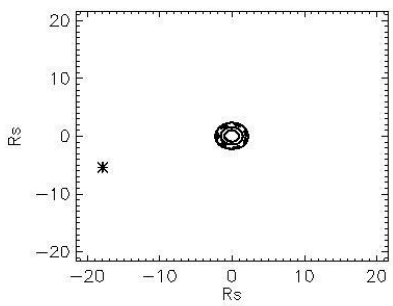
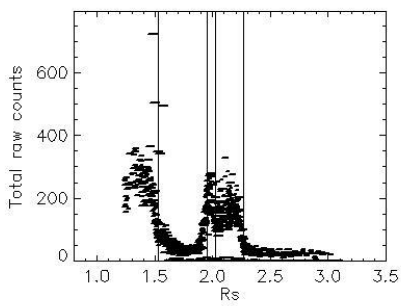
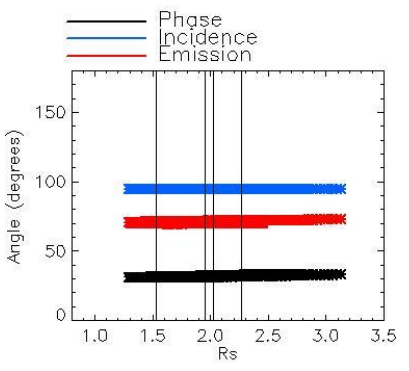
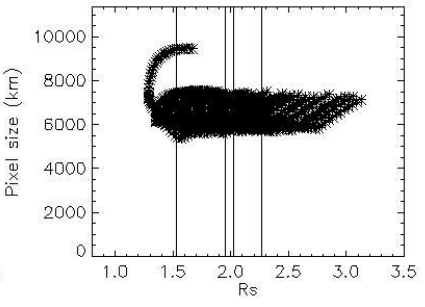
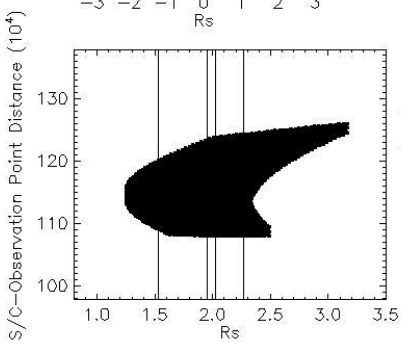


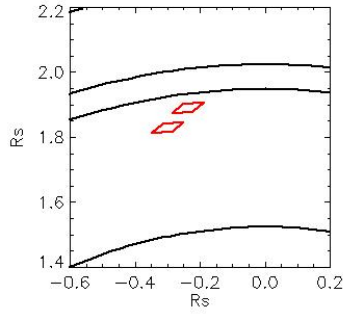
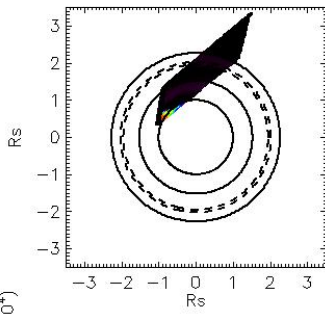
Observation Name:
UMS_089RLTMAPN20LP001_CIRS

Observation Date:
2008_288_06_18_51

Observation Duration:
5100 S

Integration time = 300 S



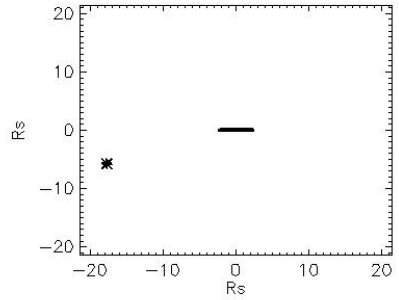
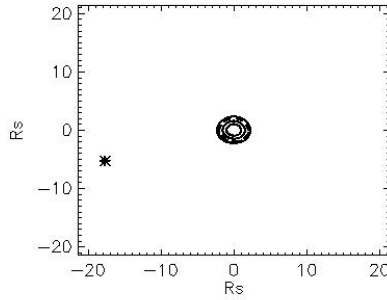
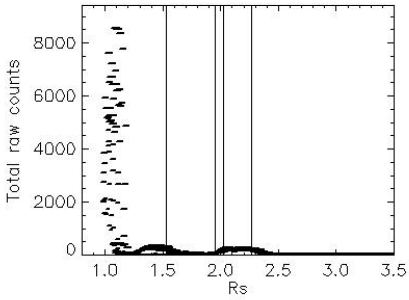
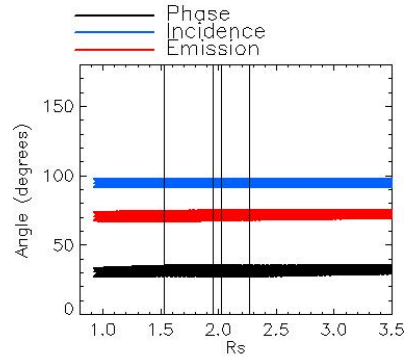
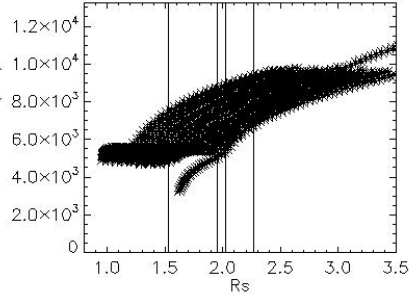
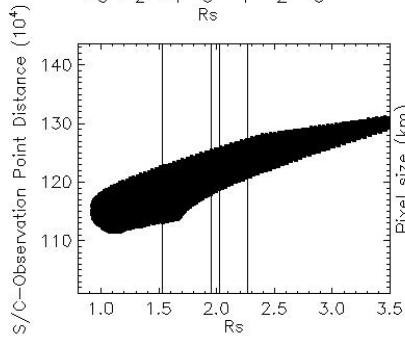


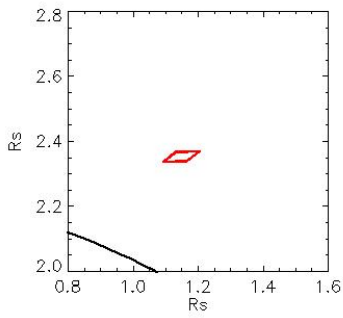
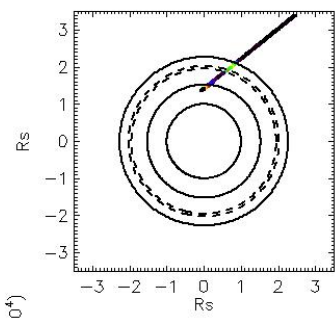
Observation Name:
UMS_089RLTMAPN20LP001_CIRS

Observation Date:
2008_288_07_49_51

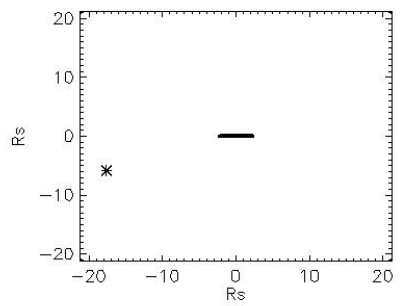
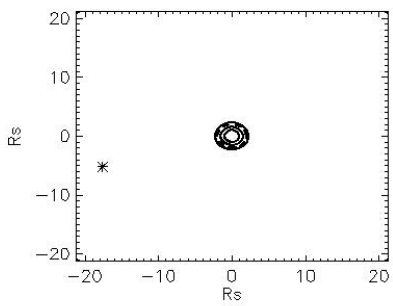
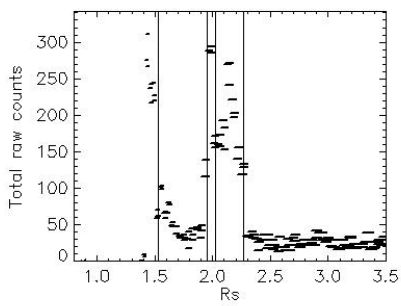
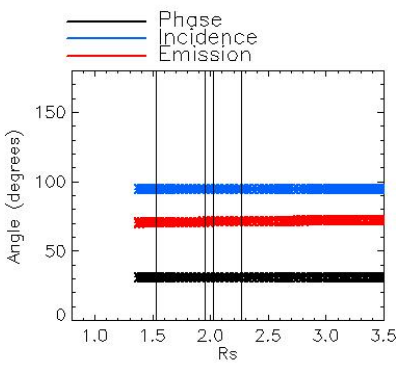
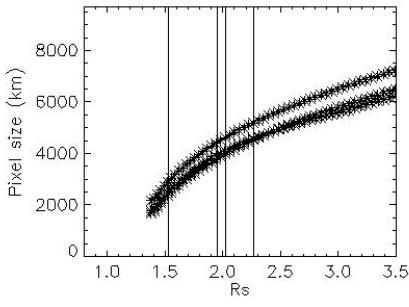
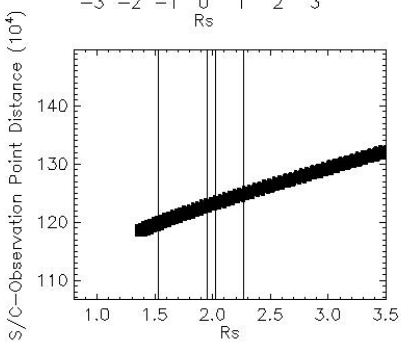
Observation Duration:
5100 S

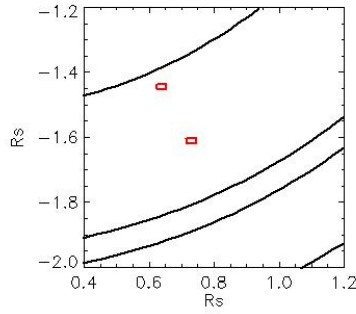
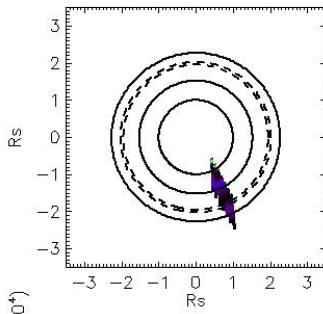
Integration time = 300 S





Observation Name:
 UVS_089RLTMAPN20LP001_CIRS
 Observation Date:
 2008_288_09_19_51
 Observation Duration:
 900 S
 Integration time = 300 S



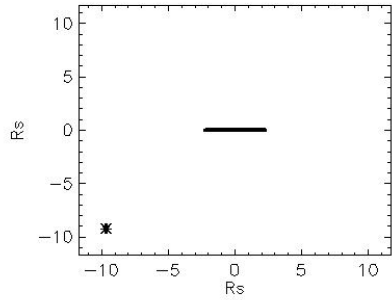
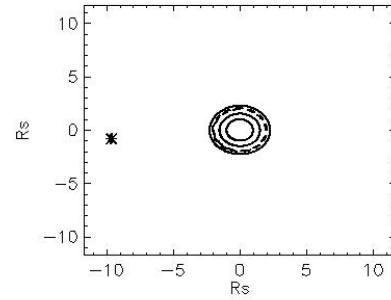
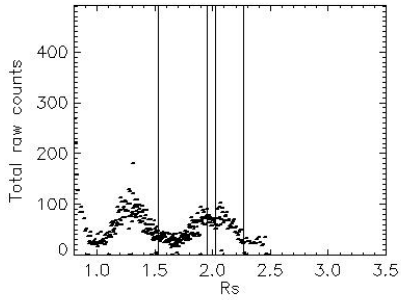
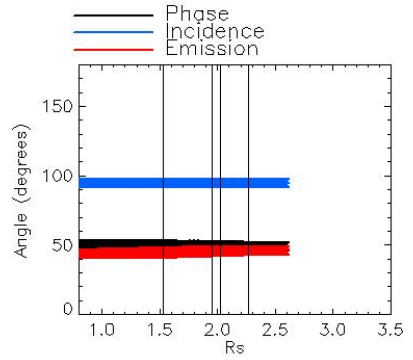
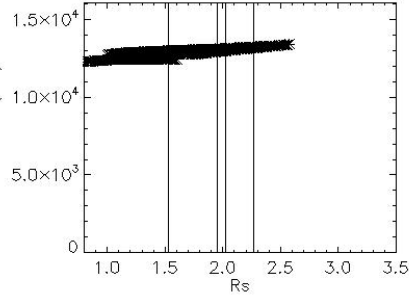
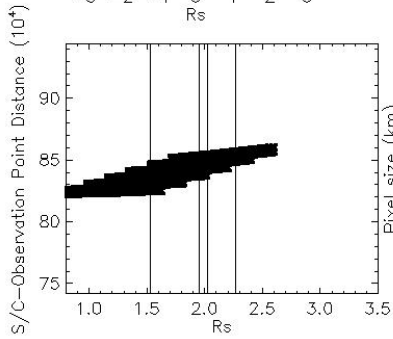


Observation Name:
UMS_089RLVTMPN60LP001_CIRS

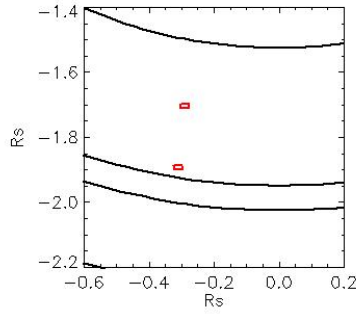
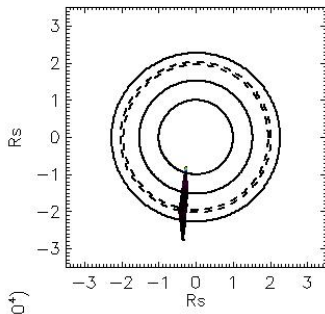
Observation Date:
2008_289_21_24_51

Observation Duration:
1800 S

Integration time = 300 S



— Phase
— Incidence
— Emission

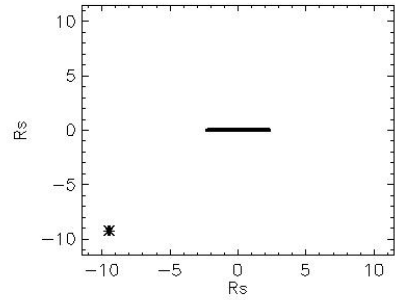
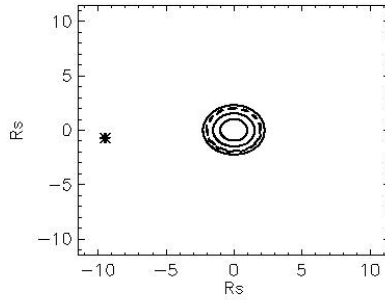
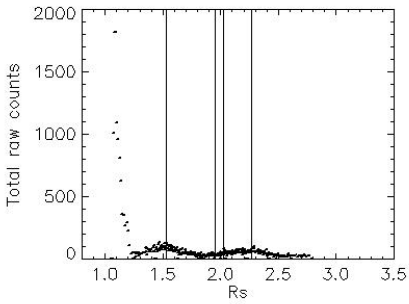
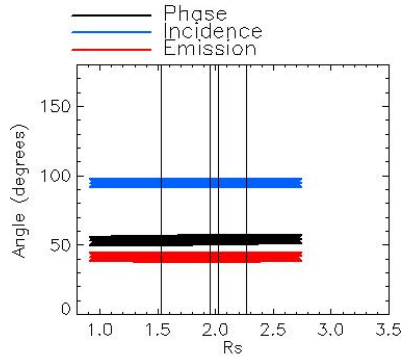
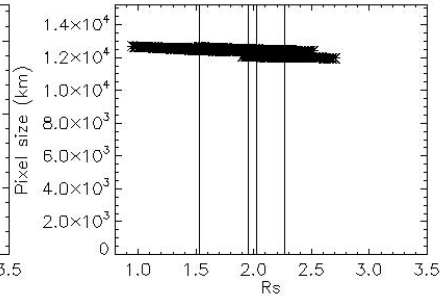
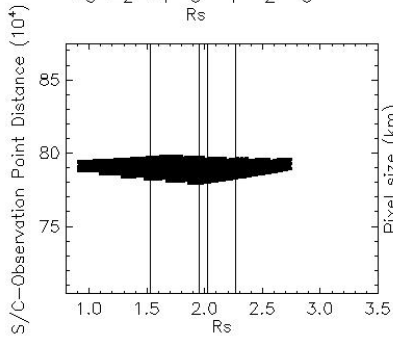


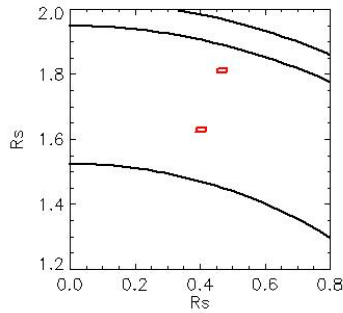
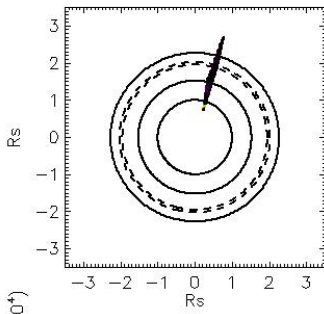
Observation Name:
UVS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_289_21_57_51

Observation Duration:
1800 S

Integration time = 300 S



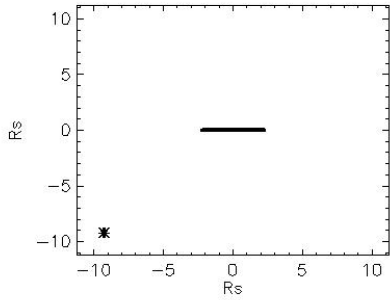
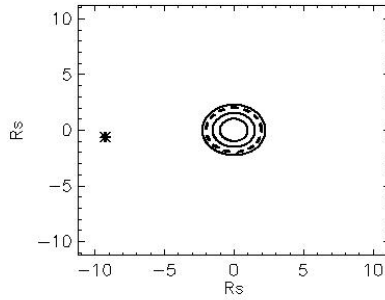
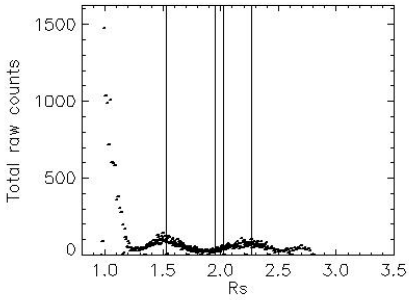
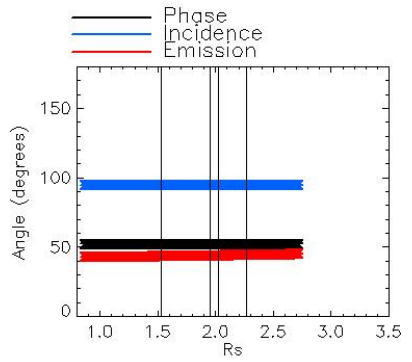
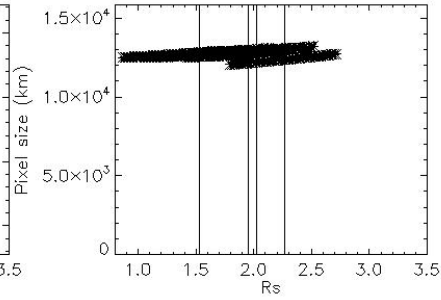
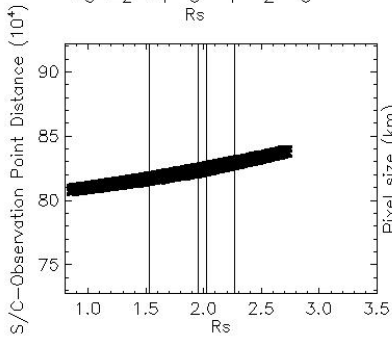


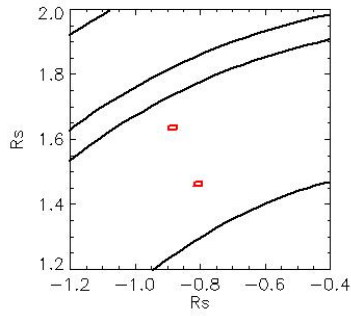
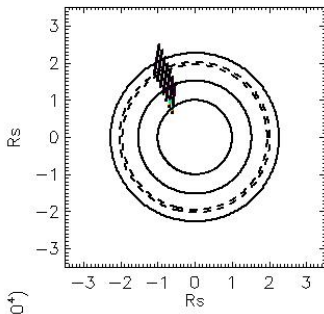
Observation Name:
UVS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_289_22_34_51

Observation Duration:
1800 S

Integration time = 300 S



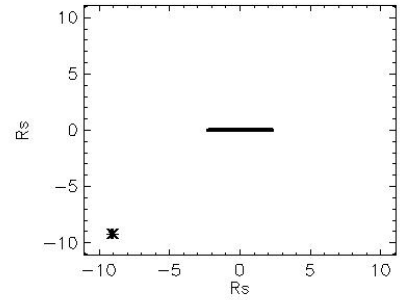
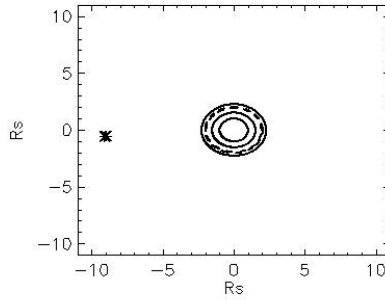
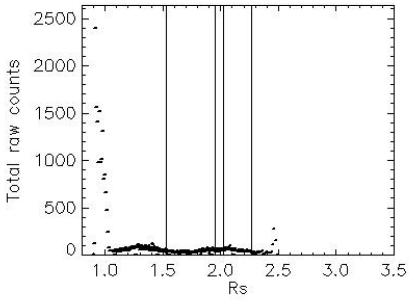
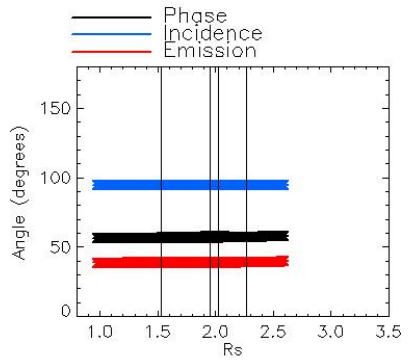
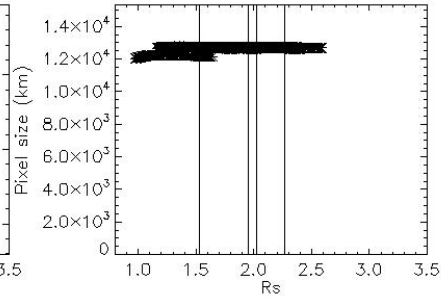
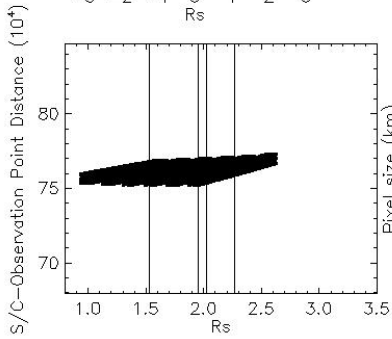


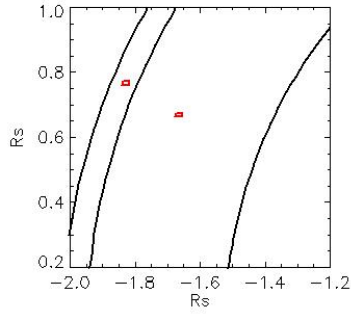
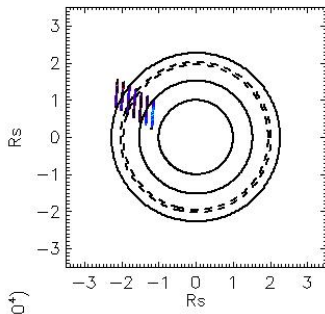
Observation Name:
UVS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_289_23_07_51

Observation Duration:
1800 S

Integration time = 300 S



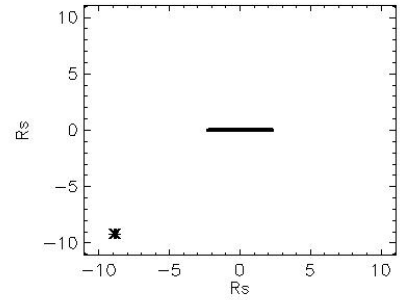
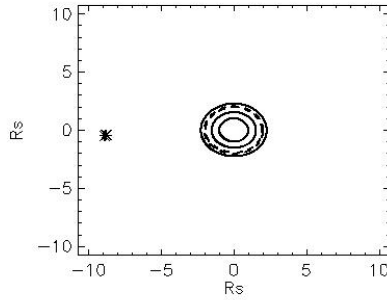
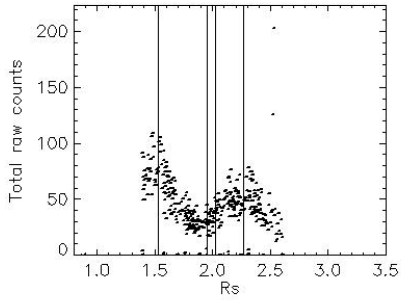
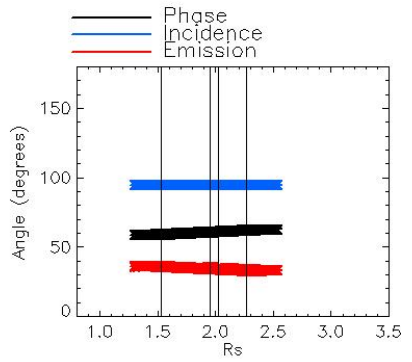
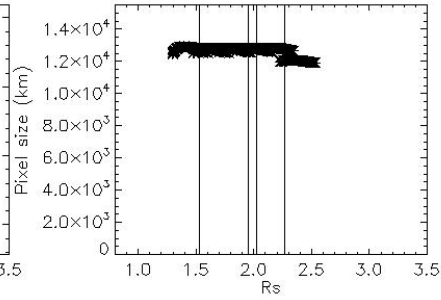
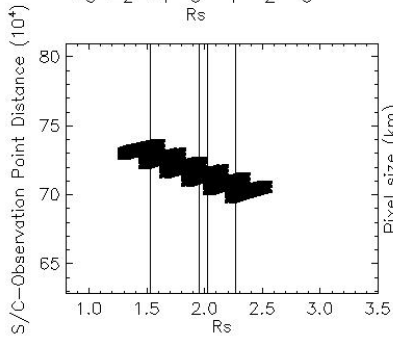


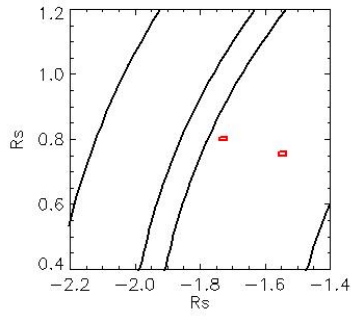
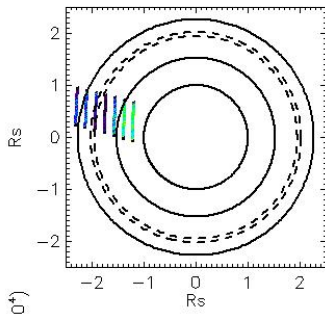
Observation Name:
UVIS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_289_23_40_51

Observation Duration:
1800 S

Integration time = 300 S



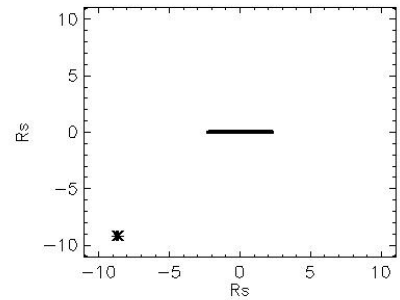
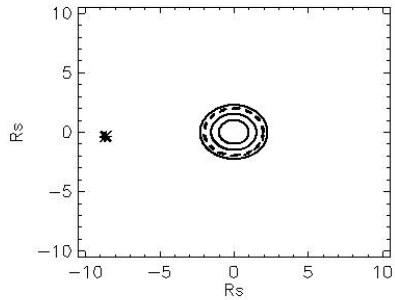
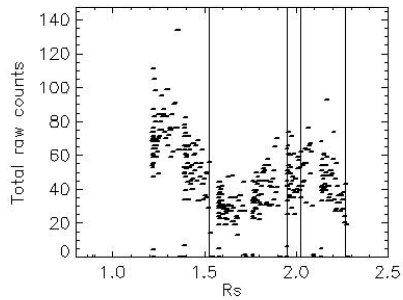
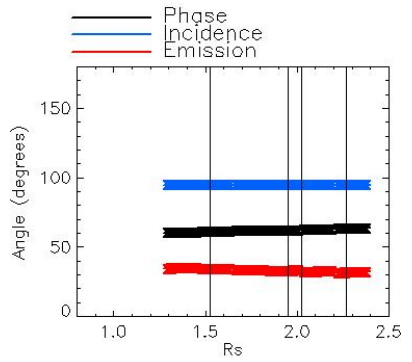
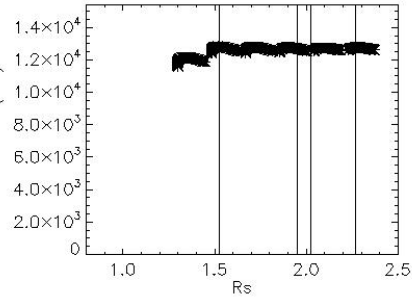
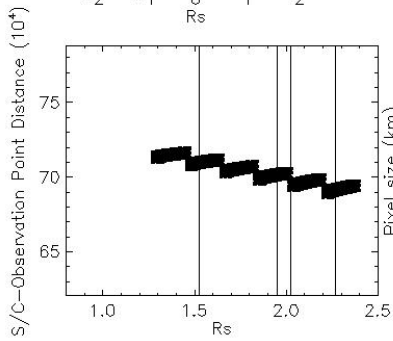


Observation Name:
UVIS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_290_00_13_51

Observation Duration:
1800 S

Integration time = 300 S

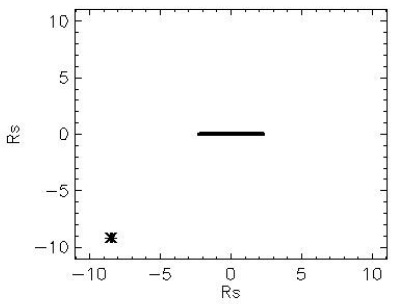
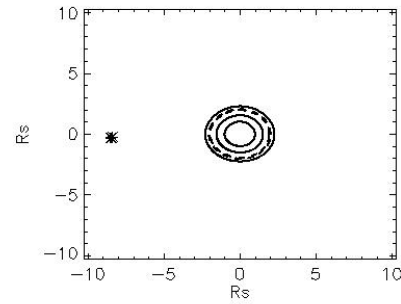
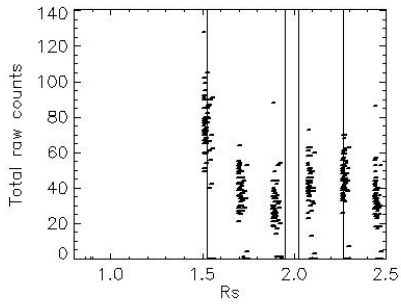
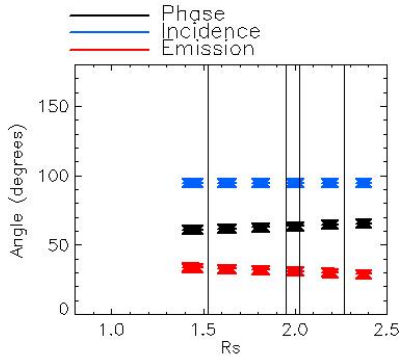
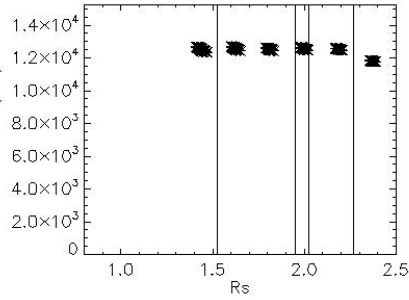
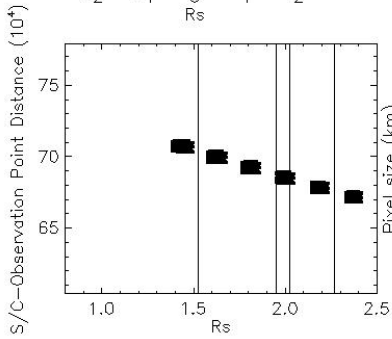
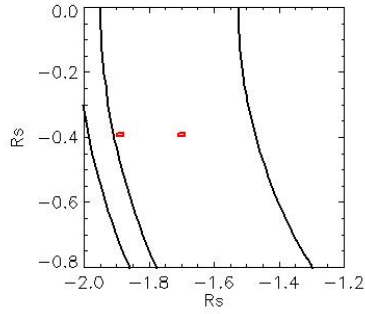
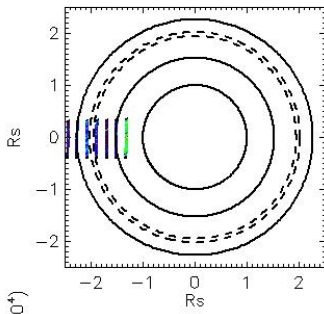


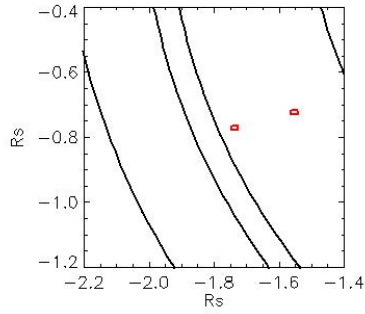
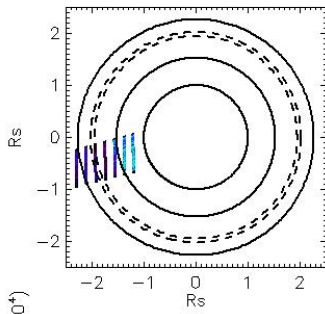
Observation Name:
UVS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_290_00_46_51

Observation Duration:
1800 S

Integration time = 300 S



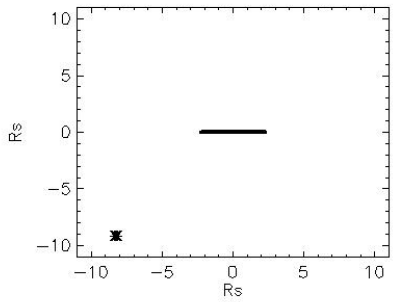
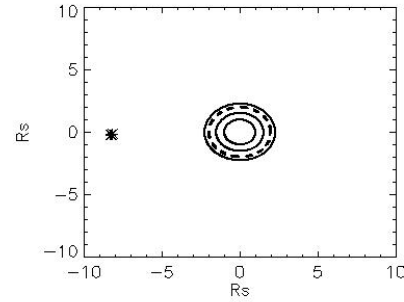
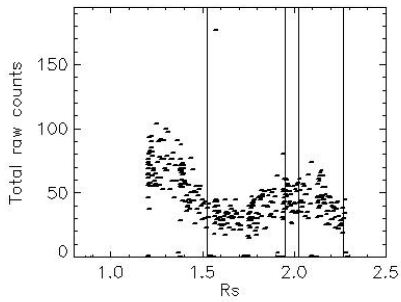
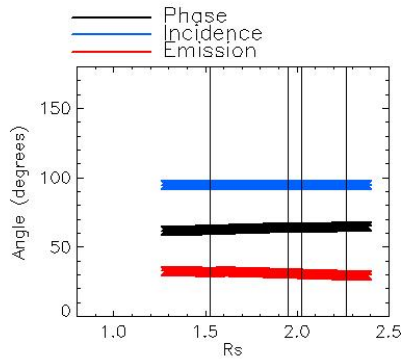
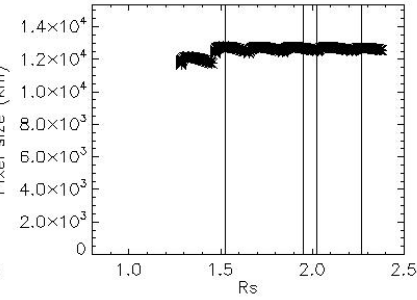
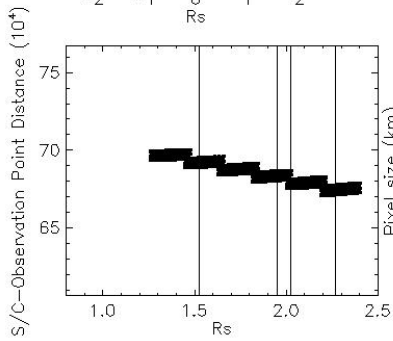


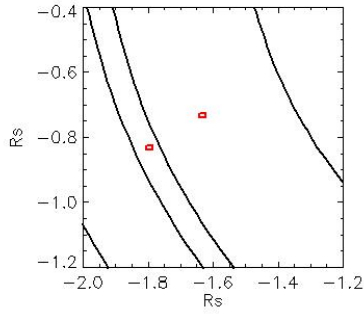
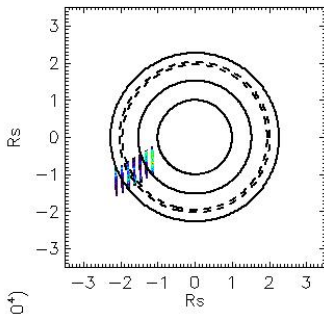
Observation Name:
UVIS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_290_01_19_51

Observation Duration:
1800 S

Integration time = 300 S



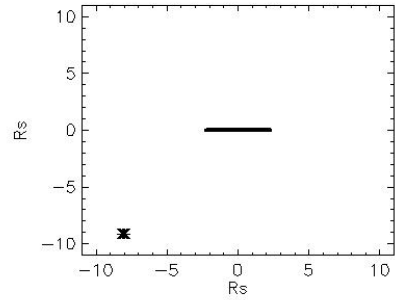
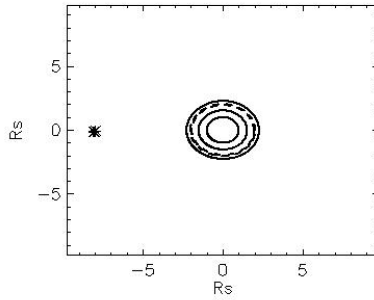
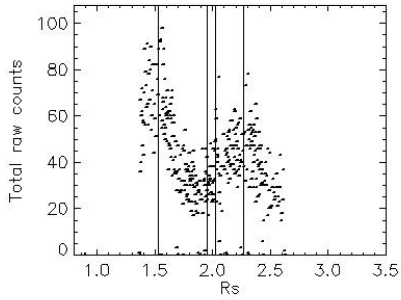
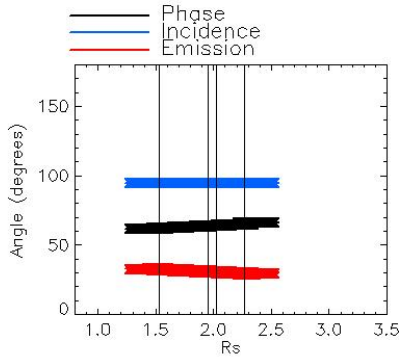
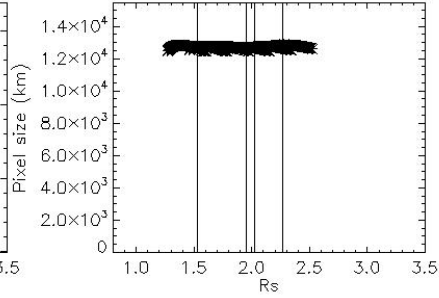
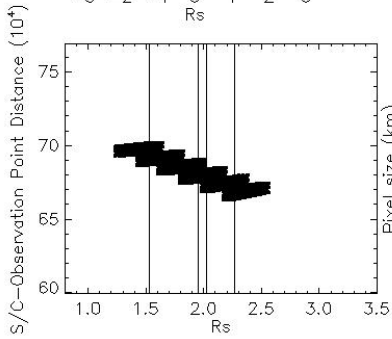


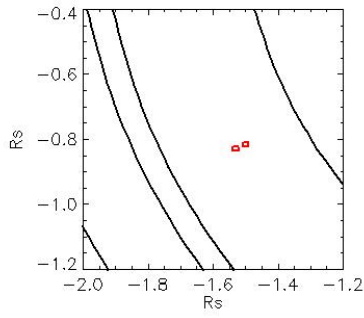
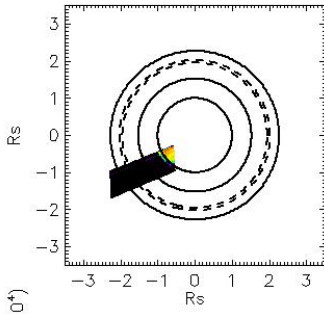
Observation Name:
UVS_089RLVTMPN60LP001_CIRS

Observation Date:
2008_290_01_52_51

Observation Duration:
1800 S

Integration time = 300 S



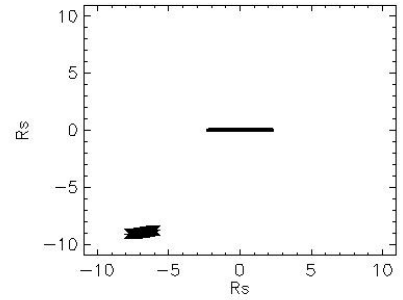
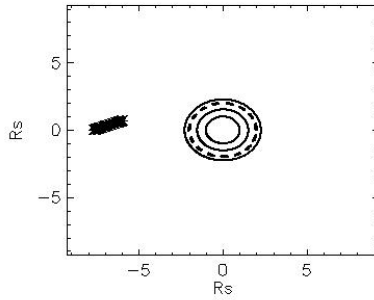
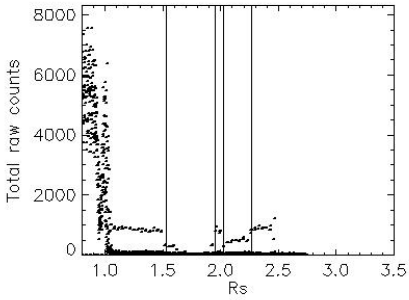
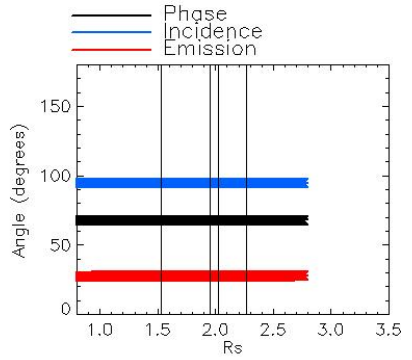
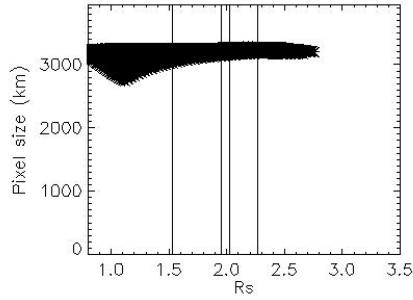
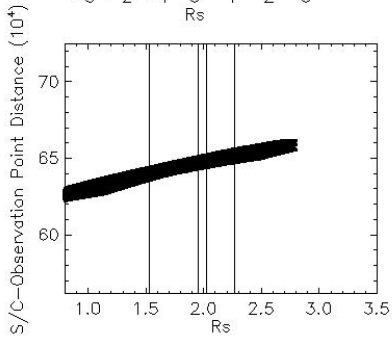


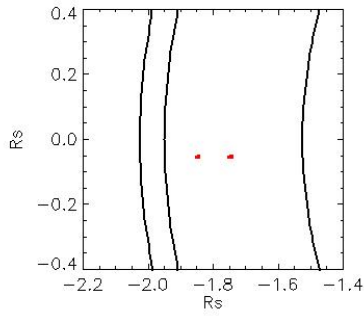
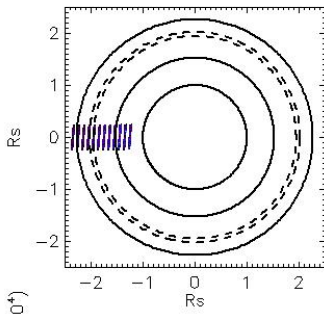
Observation Name:
UMS_089RLGAMCRU0001_VIMS

Observation Date:
2008_290_02_56_06

Observation Duration:
15900 S

Integration time = 300 S



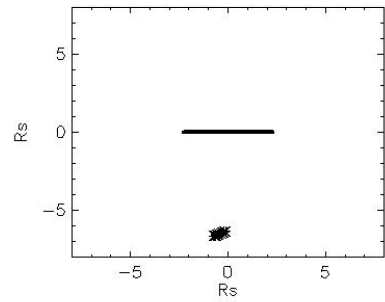
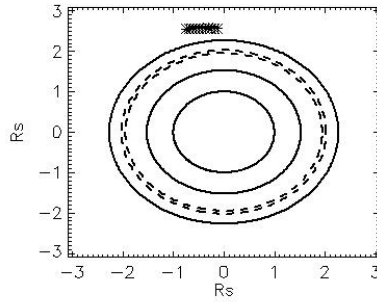
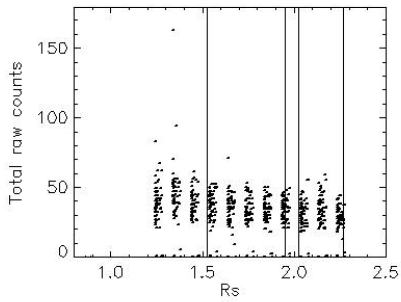
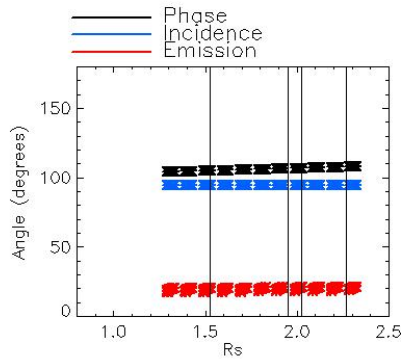
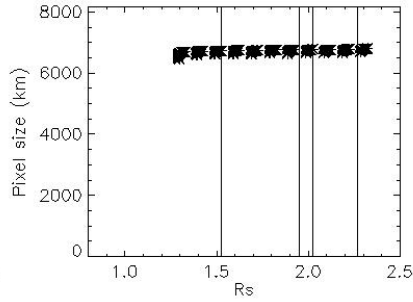
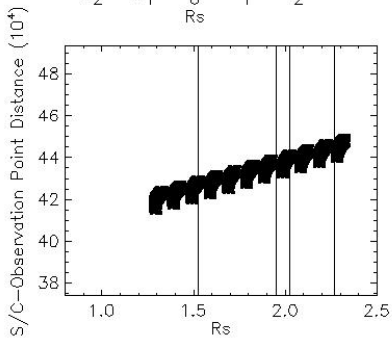


Observation Name:
UMS_089RLTDIFN45HP001_CIRS

Observation Date:
2008_290_16_48_51

Observation Duration:
3300 S

Integration time = 300 S

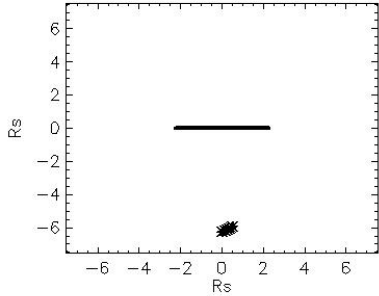
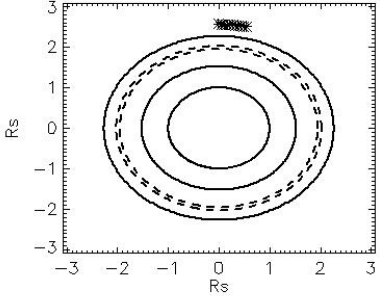
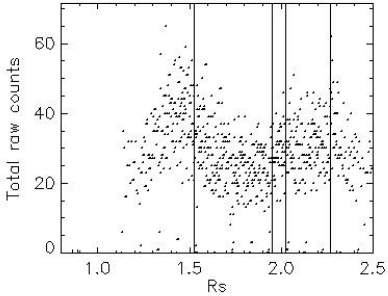
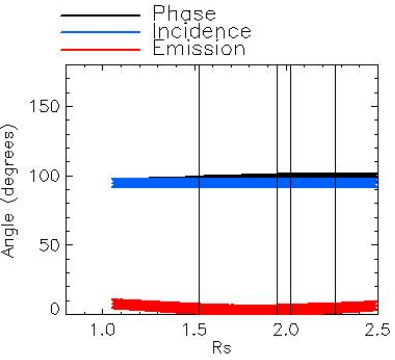
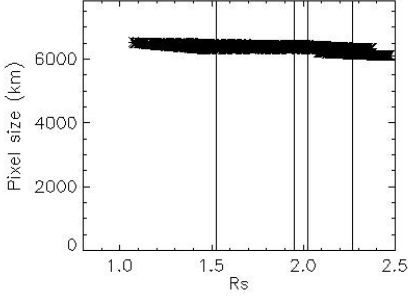
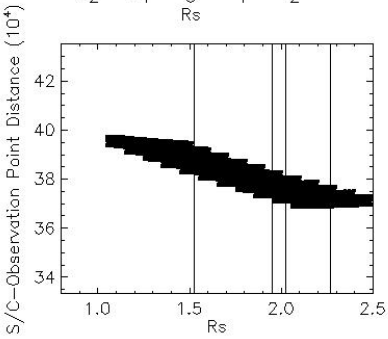
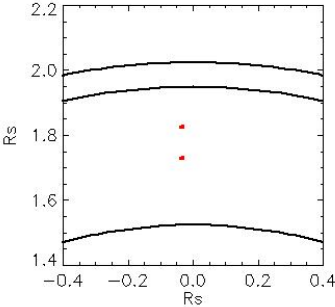
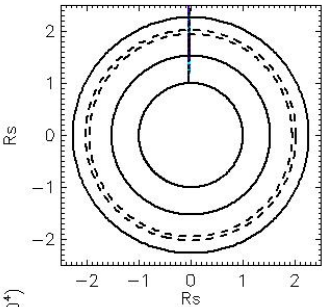


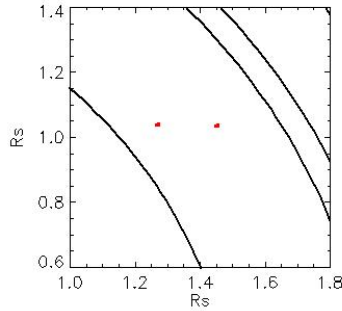
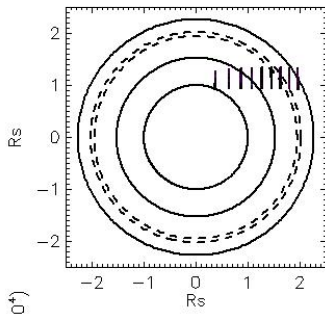
Observation Name:
UMS_089RLTDFN45HP001_CIRS

Observation Date:
2008_290_17_48_51

Observation Duration:
3300 S

Integration time = 300 S



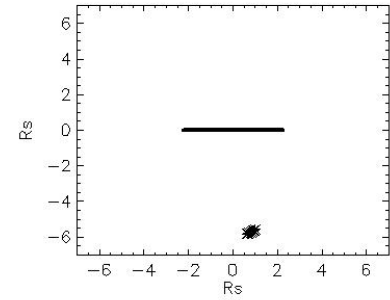
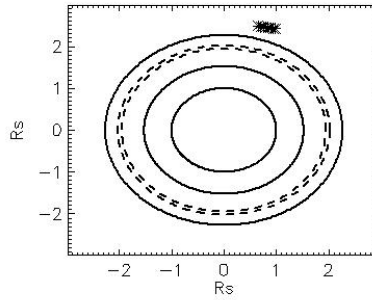
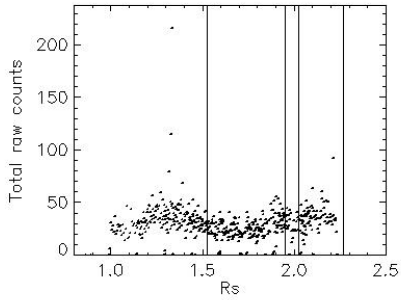
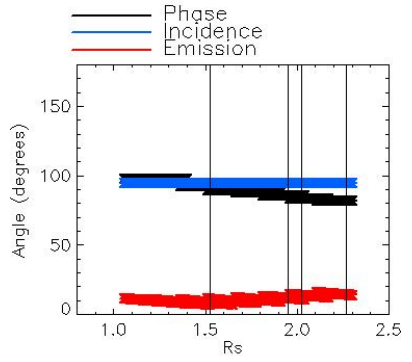
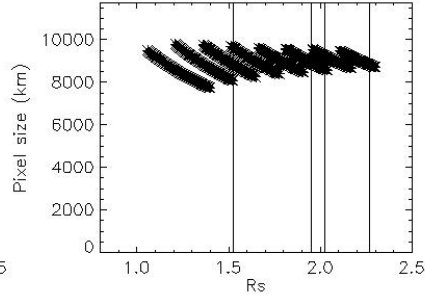
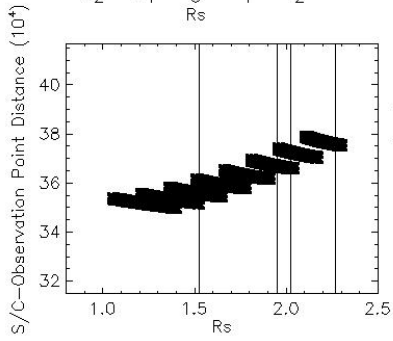


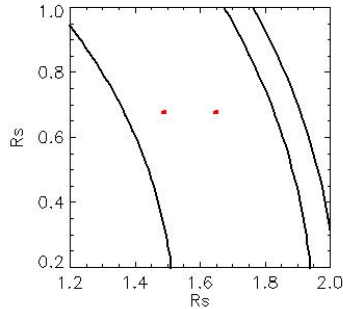
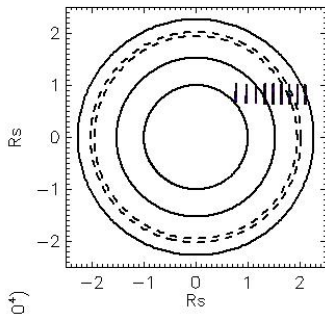
Observation Name:
UMS_089RLTDIFN45HP001_CIRS

Observation Date:
2008_290_18_49_51

Observation Duration:
2400 S

Integration time = 300 S



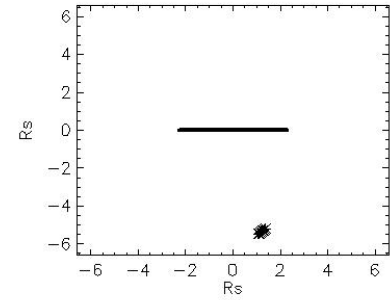
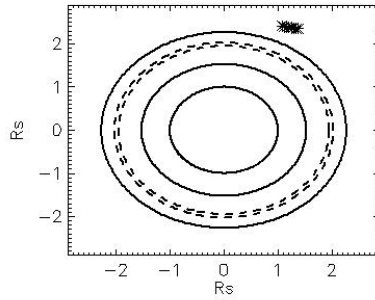
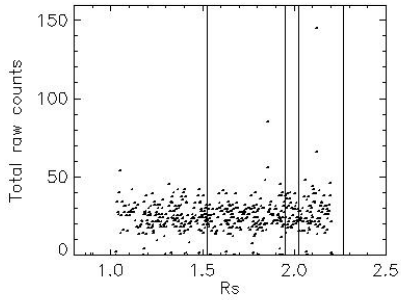
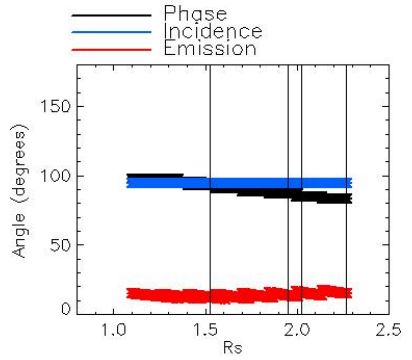
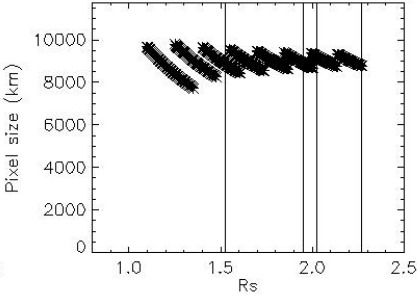
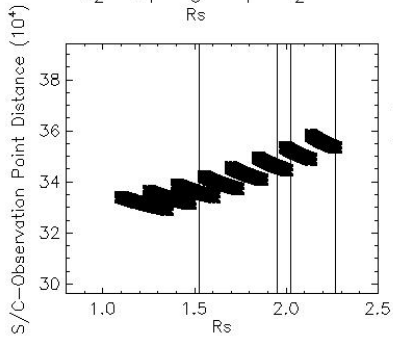


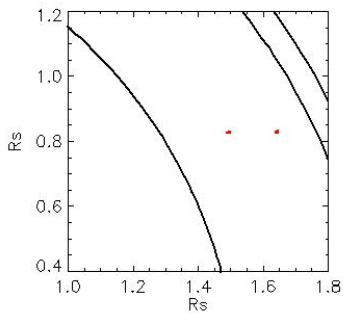
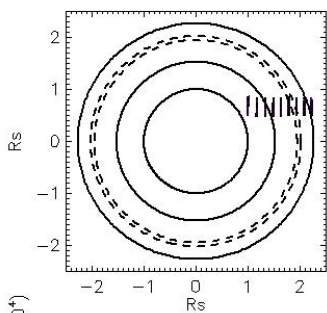
Observation Name:
UVS_089RLTDIFN45HP001_CIRS

Observation Date:
2008_290_19_34_51

Observation Duration:
2400 S

Integration time = 300 S



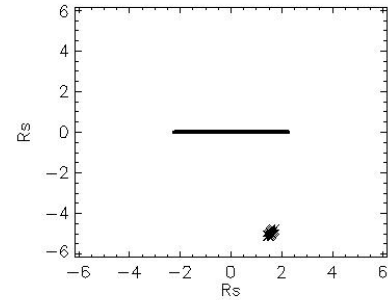
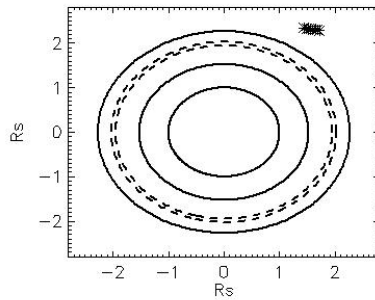
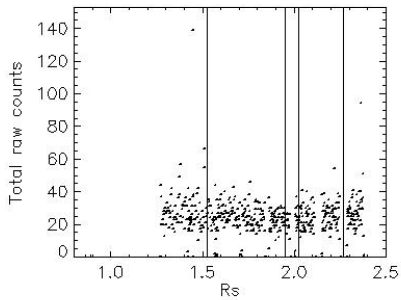
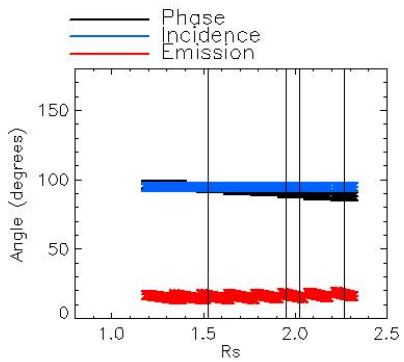
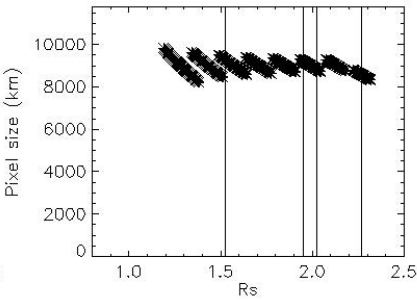
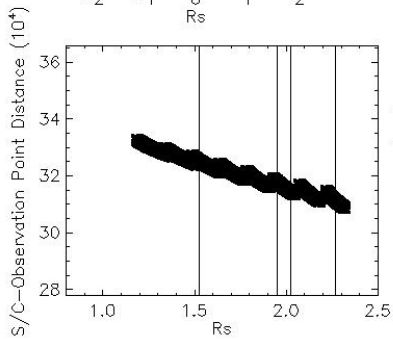


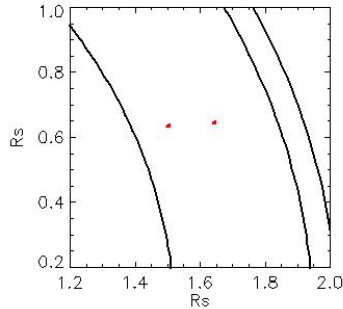
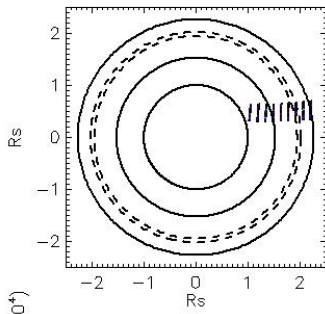
Observation Name:
UVS_089RLTDIFN45HP001_CIRS

Observation Date:
2008_290_20_17_51

Observation Duration:
2400 S

Integration time = 300 S



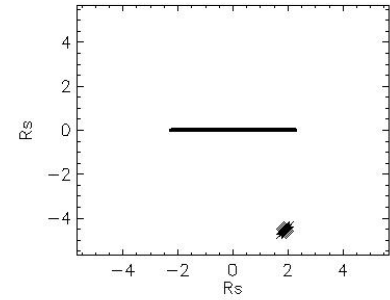
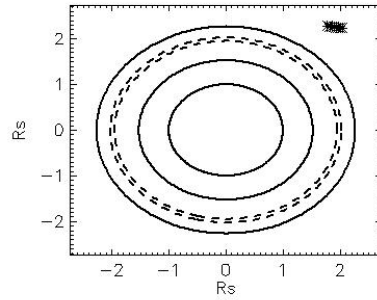
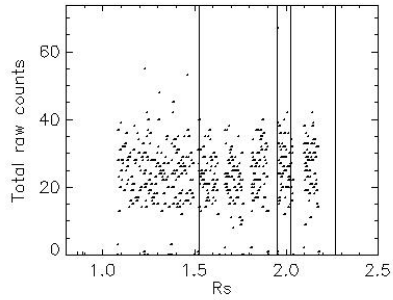
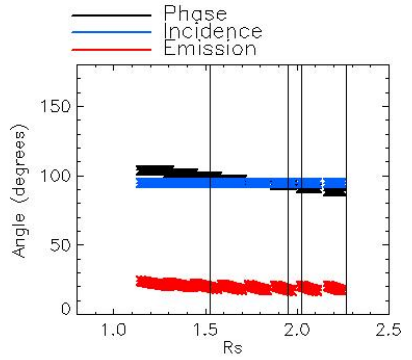
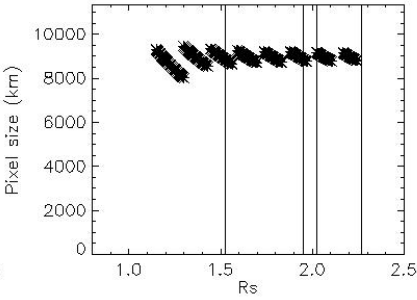
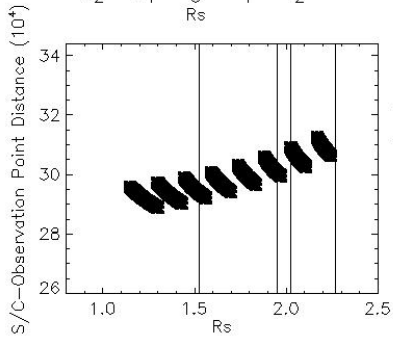


Observation Name:
UMS_089RLTDFN45HP001_CIRS

Observation Date:
2008_290_21_00_51

Observation Duration:
2400 S

Integration time = 300 S

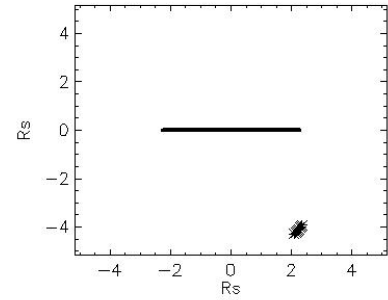
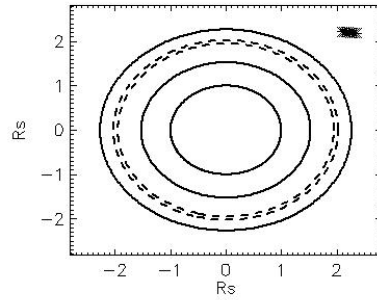
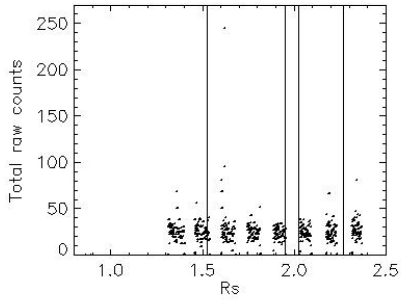
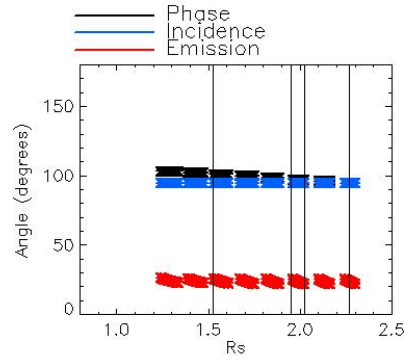
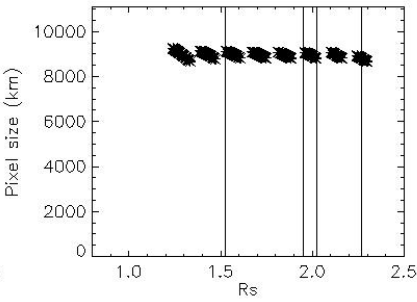
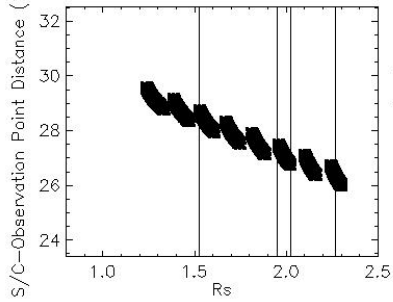
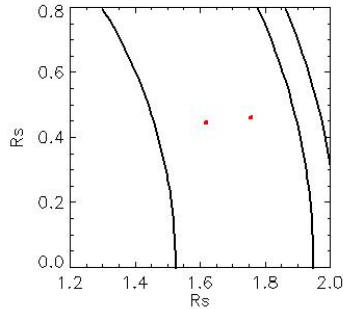
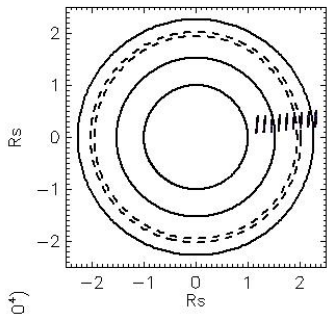


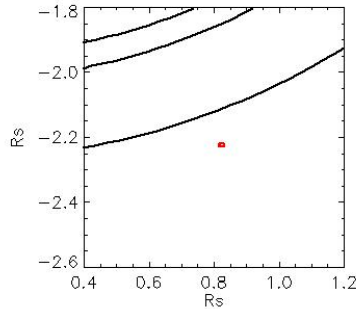
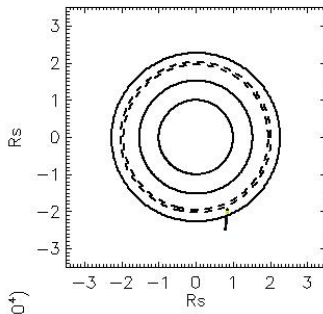
Observation Name:
UMS_089RLTDIFN45HP001_CIRS

Observation Date:
2008_290_21_43_51

Observation Duration:
2400 S

Integration time = 300 S



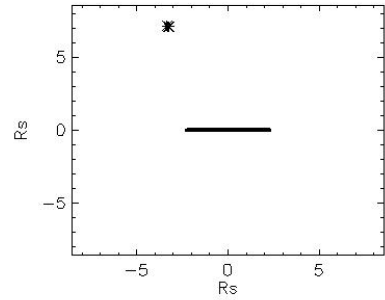
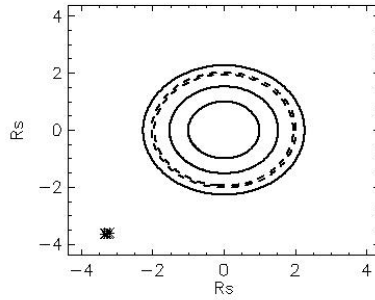
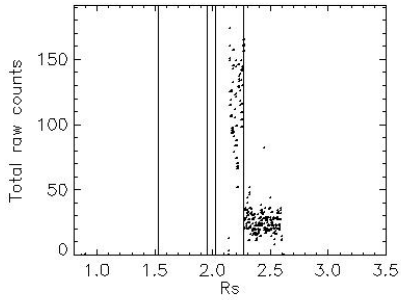
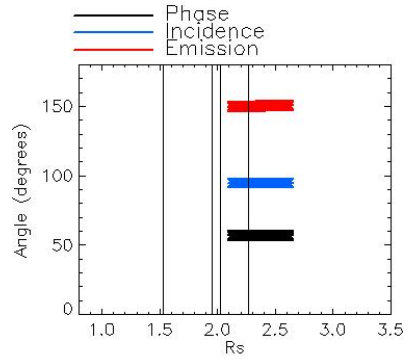
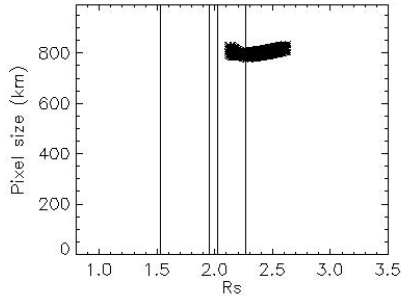
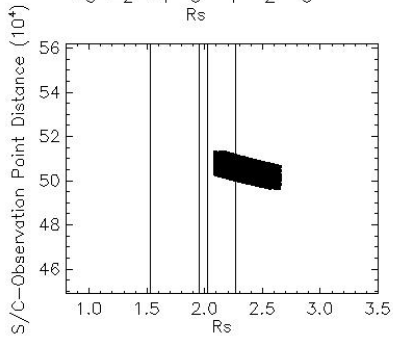


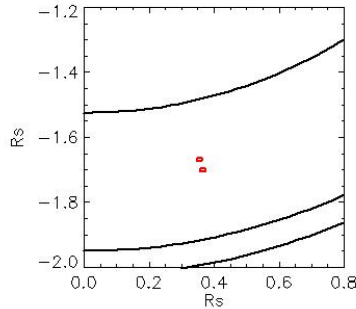
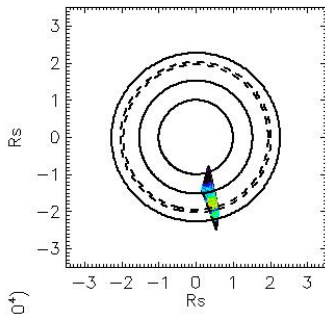
Observation Name:
UVS_089RLSUBMS45LP001_CIRS

Observation Date:
2008_291_18_12_51

Observation Duration:
1200 S

Integration time = 300 S



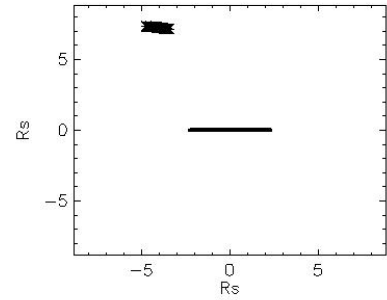
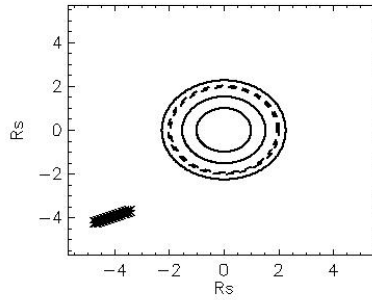
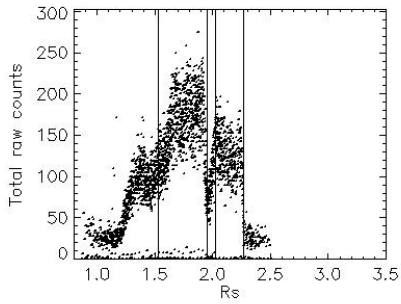
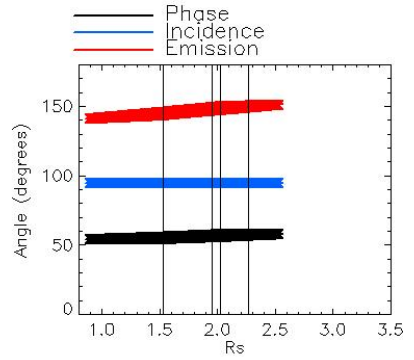
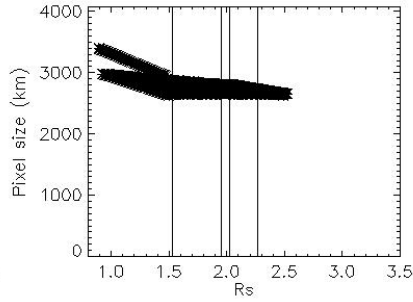
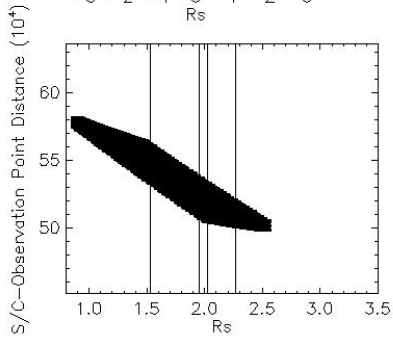


Observation Name:
UVS_089RLSUBMS45LP001_CIRS

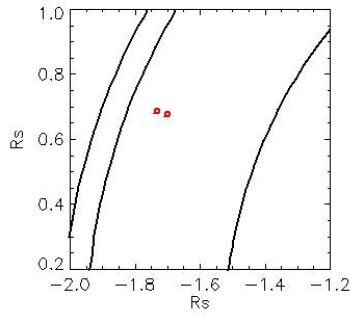
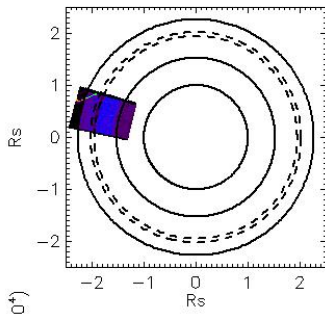
Observation Date:
2008_291_18_39_51

Observation Duration:
10200 S

Integration time = 300 S



— Phase
— Incidence
— Emission

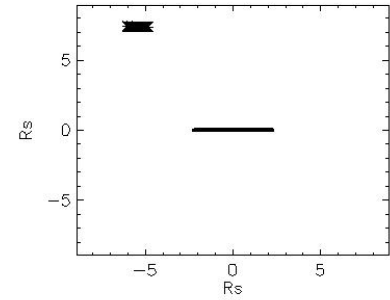
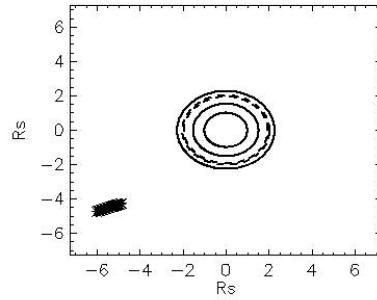
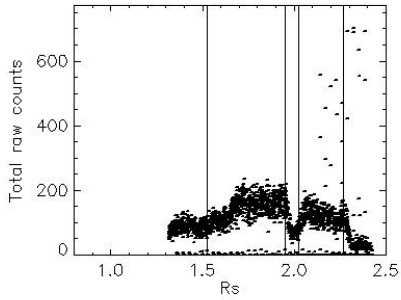
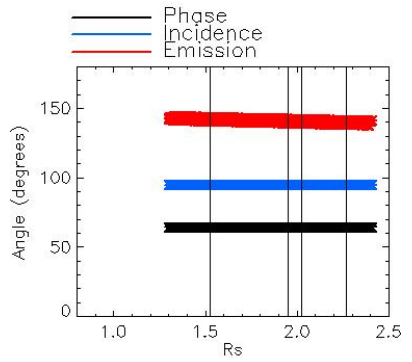
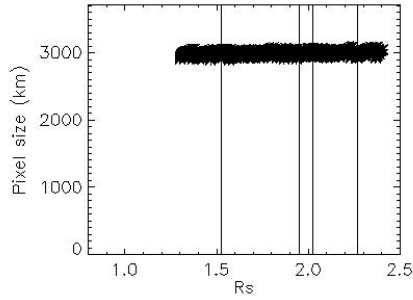
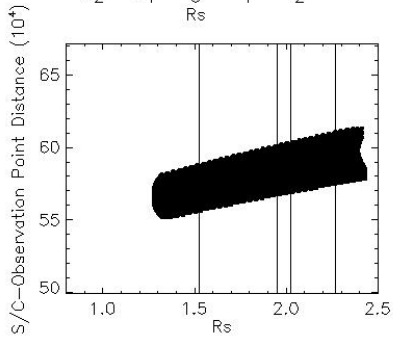


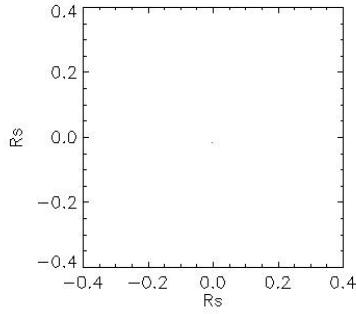
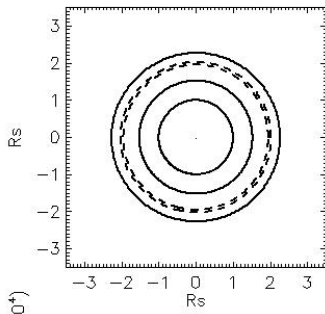
Observation Name:
UVS_089RLSUBMS45LP001_CIRS

Observation Date:
2008_291_21_36_51

Observation Duration:
9900 S

Integration time = 300 S



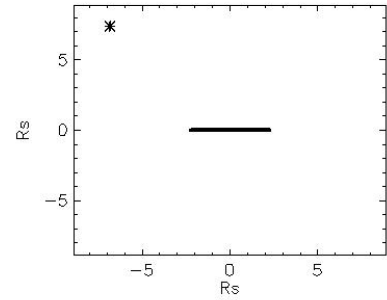
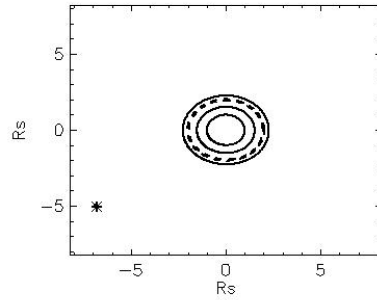
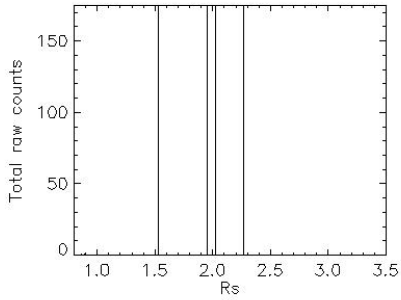
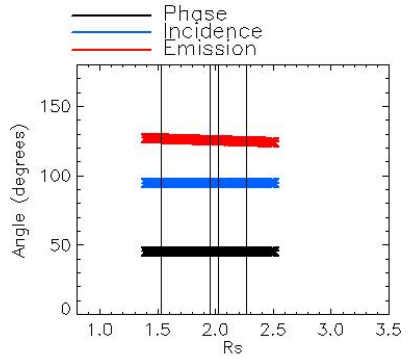
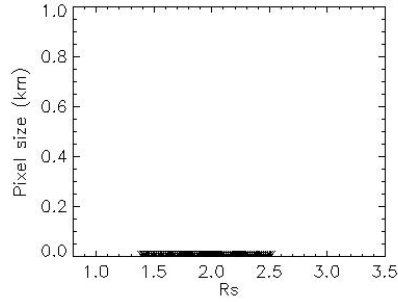
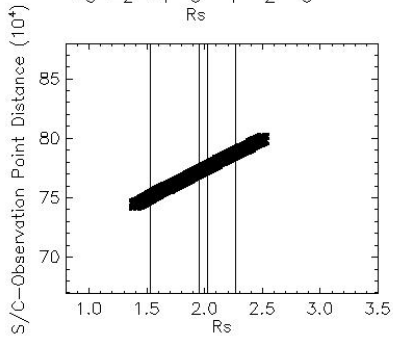


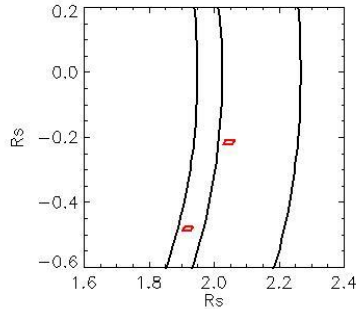
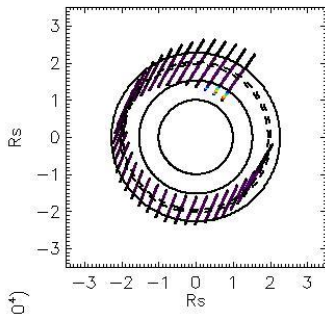
Observation Name:
UMS_089RLVCASLSP001_CIRS

Observation Date:
2008_292_02_04_51

Observation Duration:
600 S

Integration time = 300 S



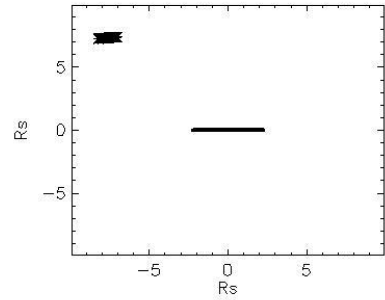
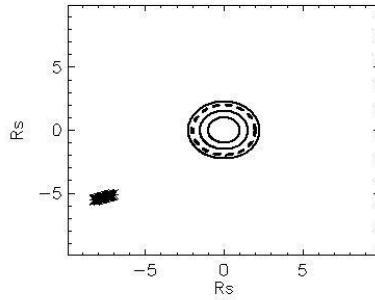
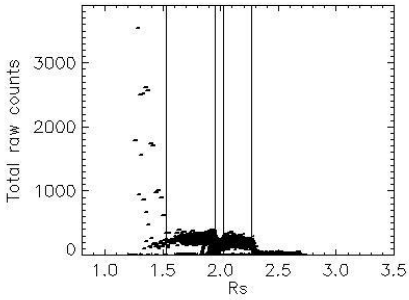
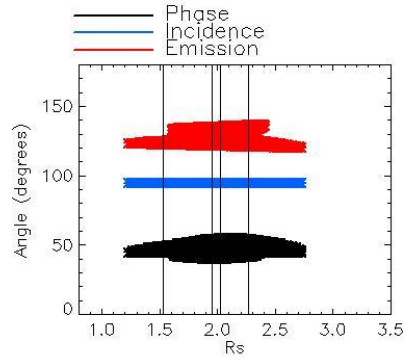
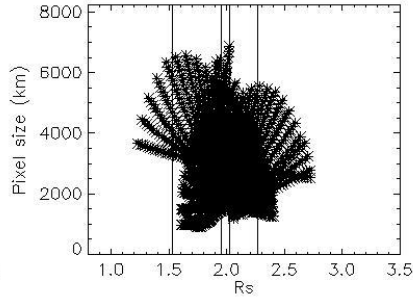
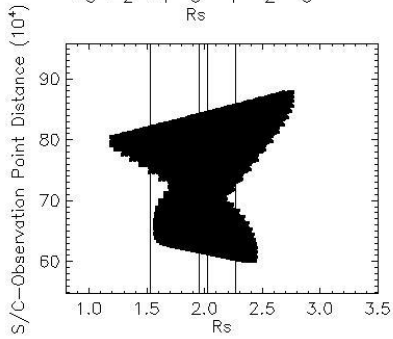


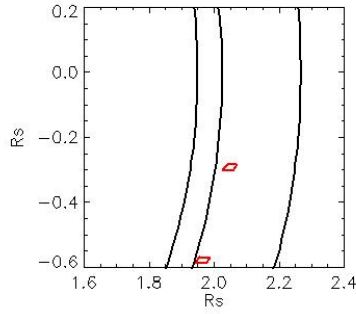
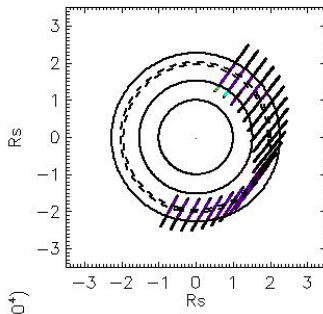
Observation Name:
UMS_089RLVCASLSP001_CIRS

Observation Date:
2008_292_02_34_51

Observation Duration:
11400 S

Integration time = 300 S



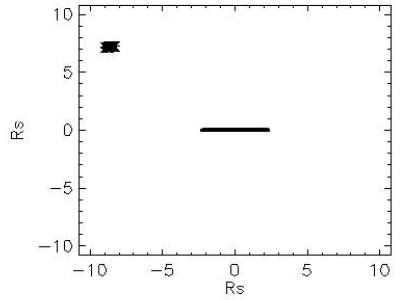
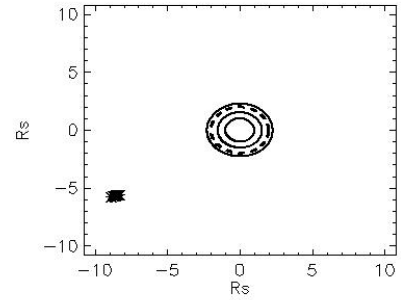
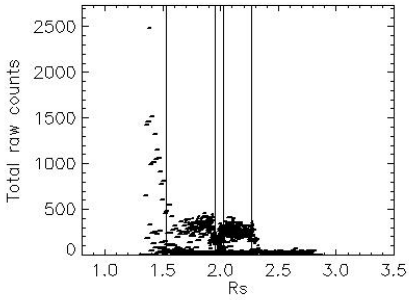
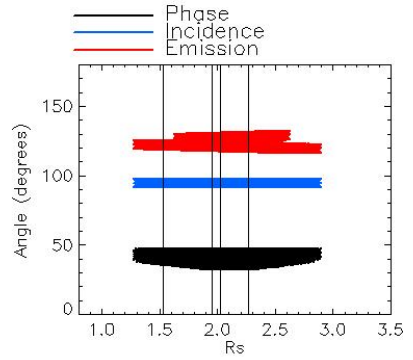
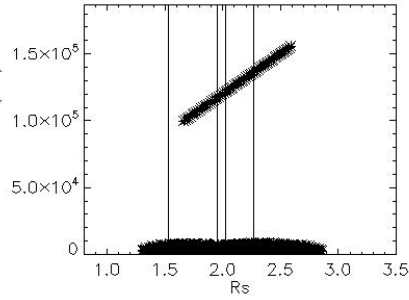
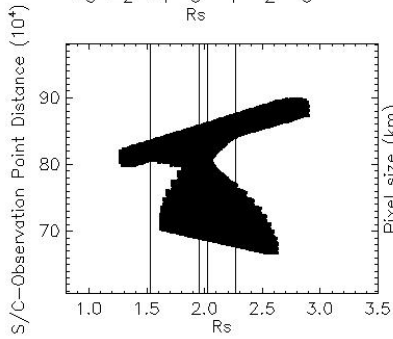


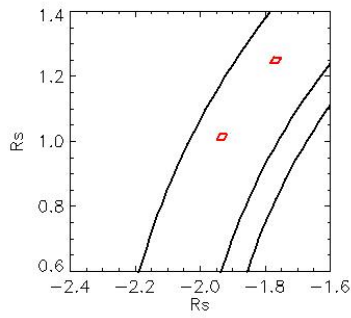
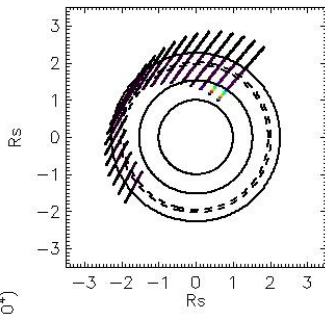
Observation Name:
UMS_089RLVCASLPL001_CIRS

Observation Date:
2008_292_05_50_51

Observation Duration:
6600 S

Integration time = 300 S





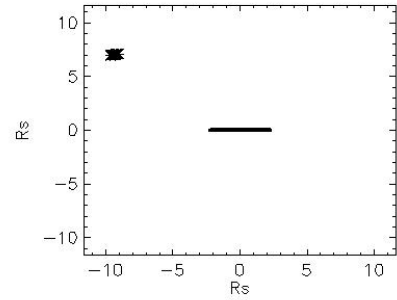
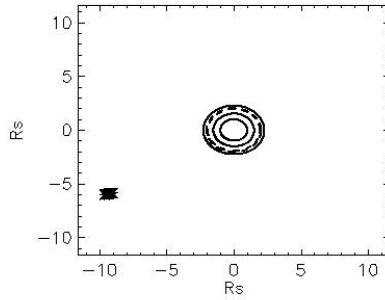
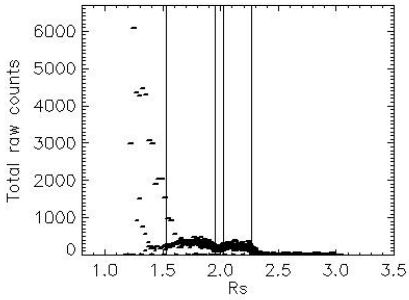
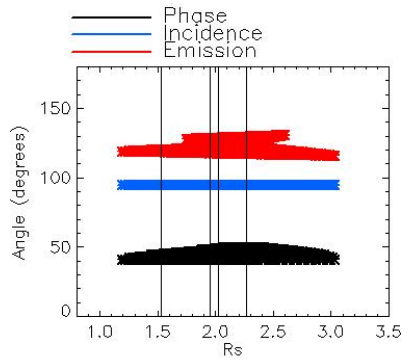
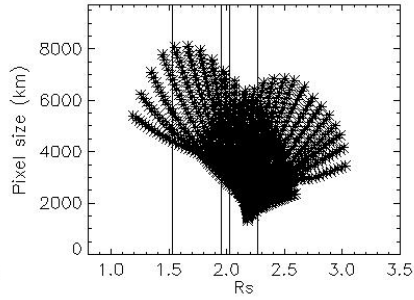
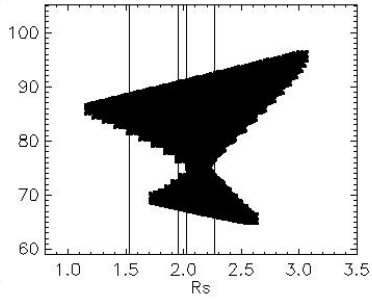
Observation Name:
UMS_089RLVCASLSP001_CIRS

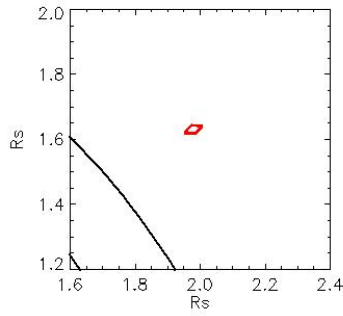
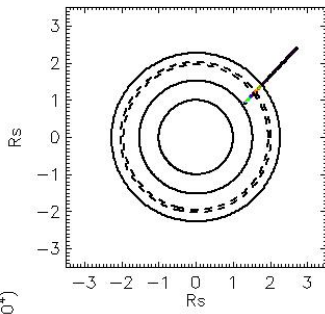
Observation Date:
2008_292_07_50_51

Observation Duration:
6600 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



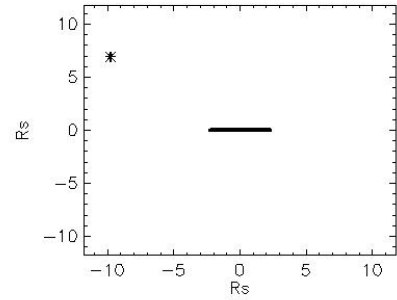
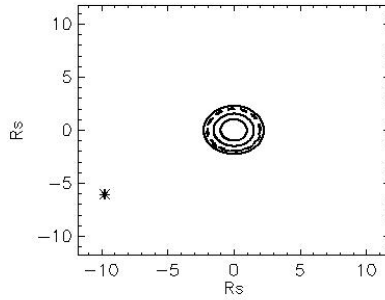
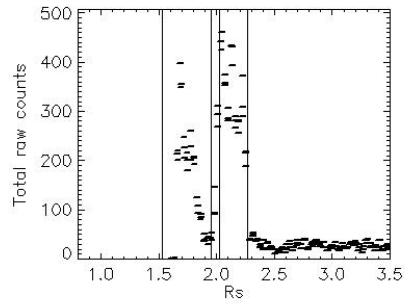
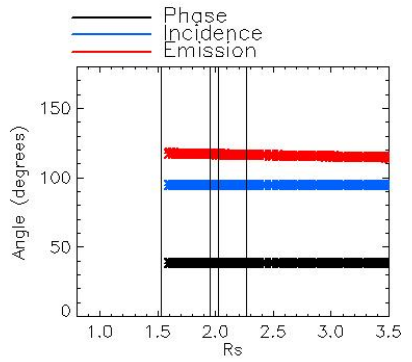
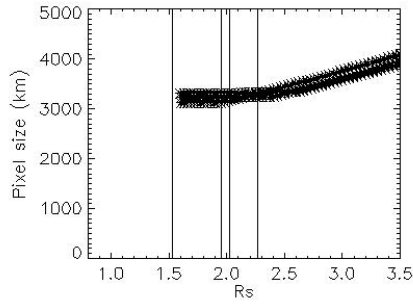
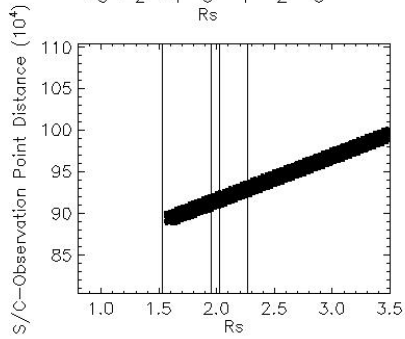


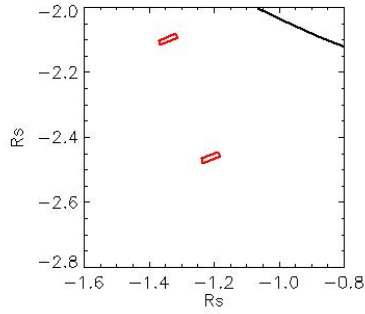
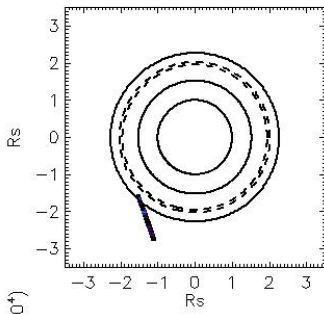
Observation Name:
UMS_089RLVCASLSP001_CIRS

Observation Date:
2008_292_09_46_51

Observation Duration:
900 S

Integration time = 300 S



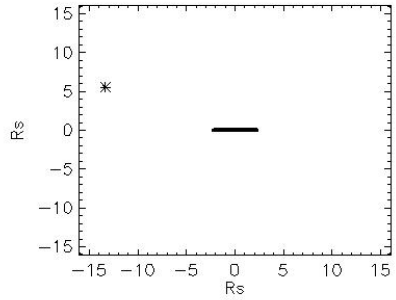
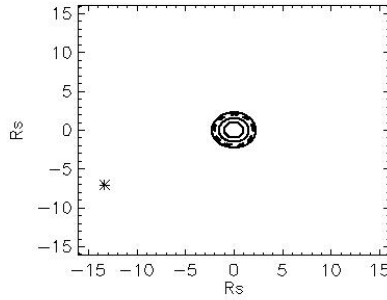
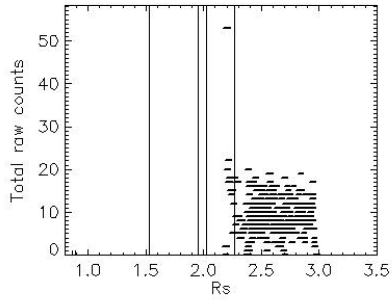
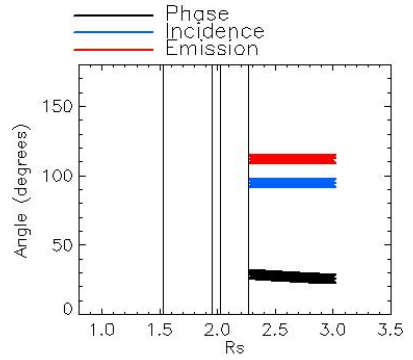
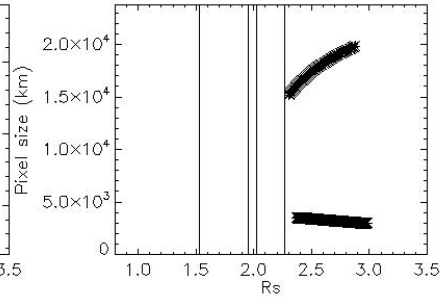
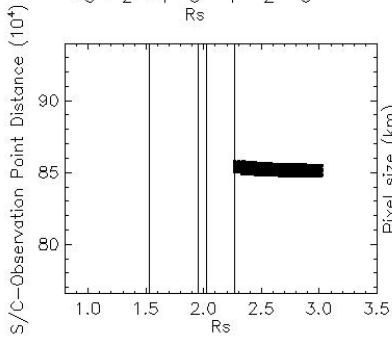


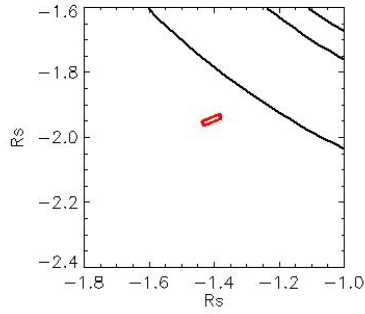
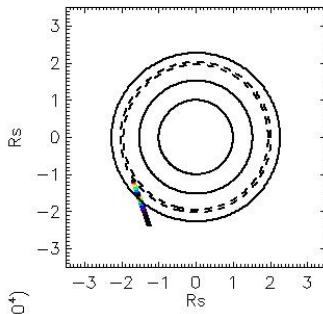
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_21_48_42

Observation Duration:
720 S

Integration time = 120 S



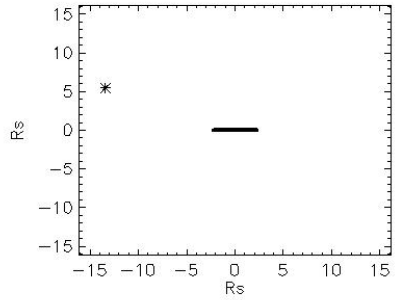
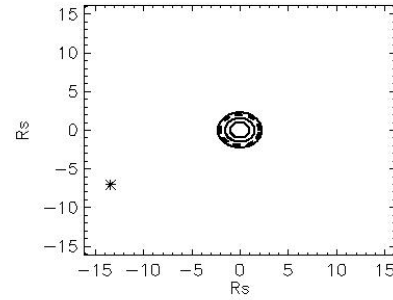
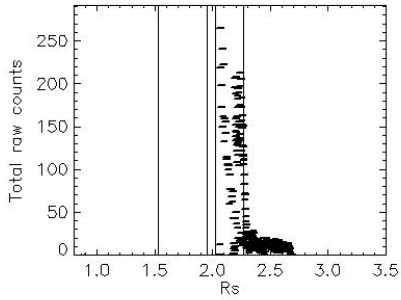
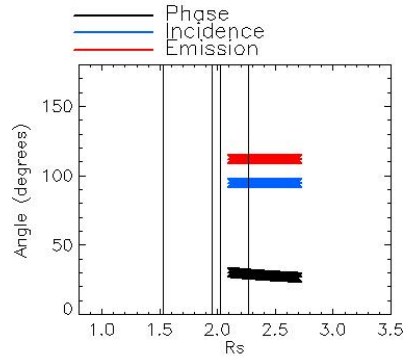
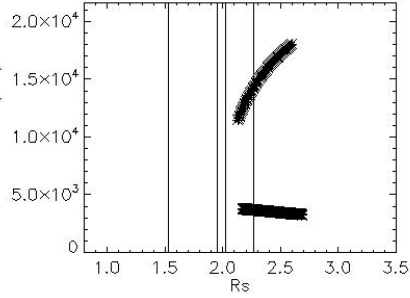
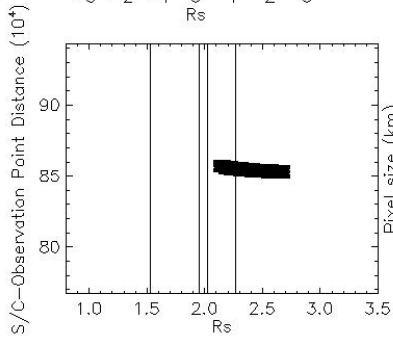


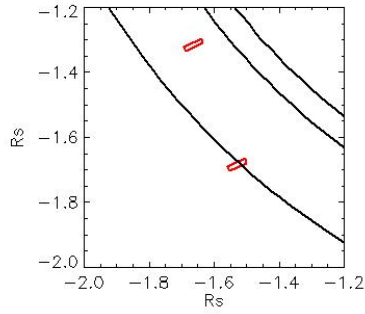
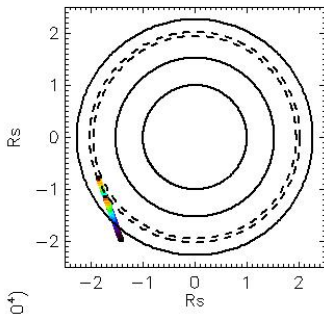
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_22_02_21

Observation Duration:
720 S

Integration time = 120 S



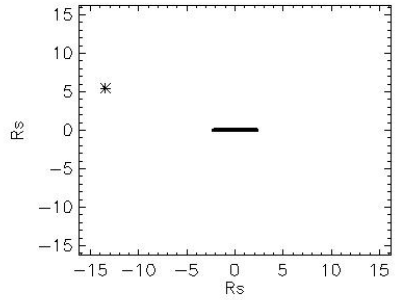
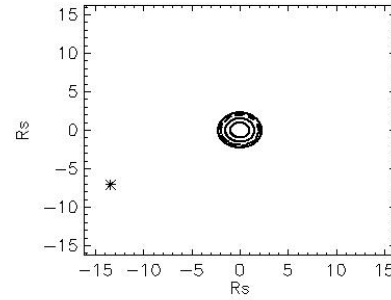
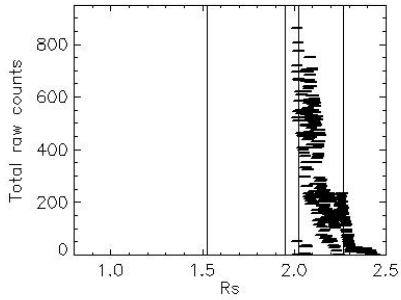
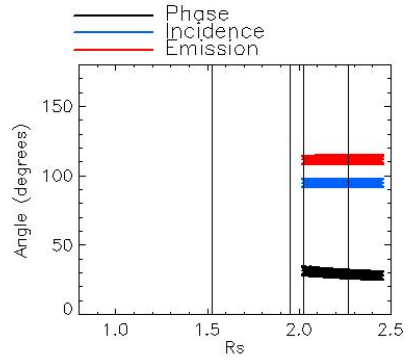
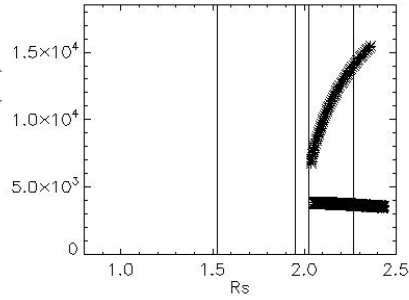
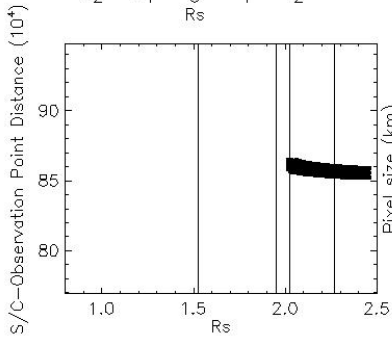


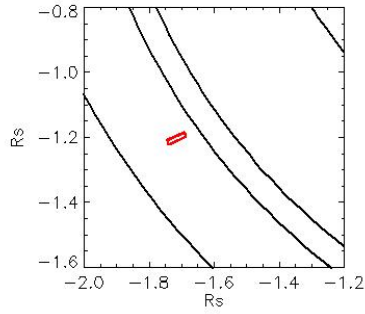
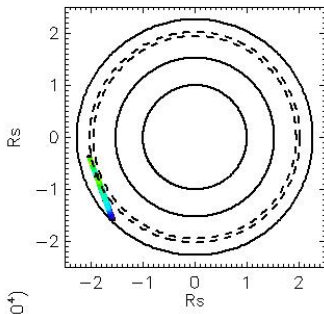
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_22_16_00

Observation Duration:
720 S

Integration time = 120 S



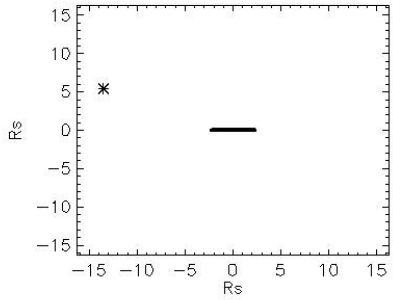
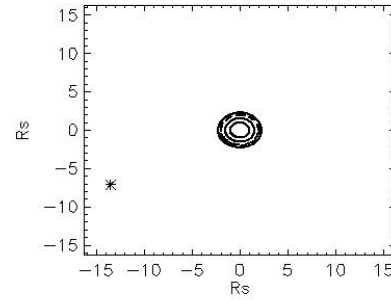
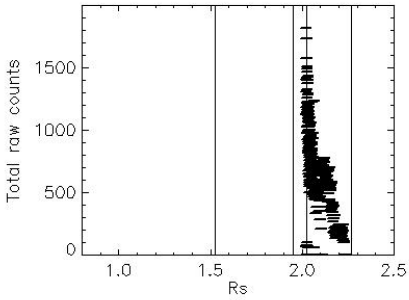
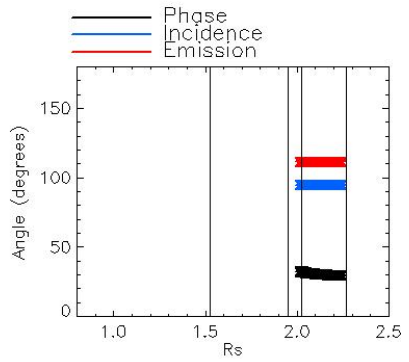
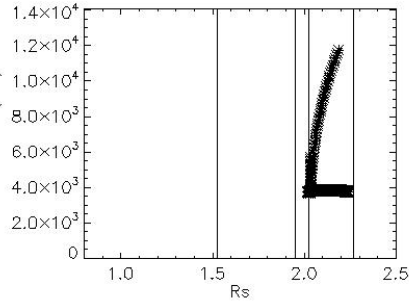
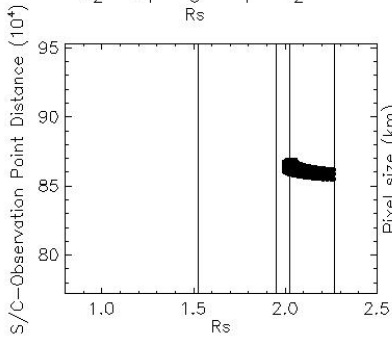


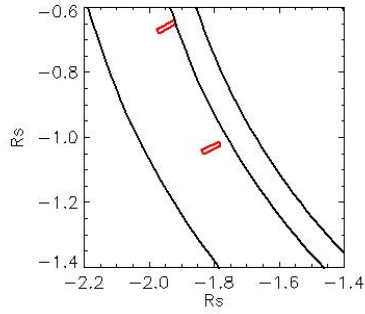
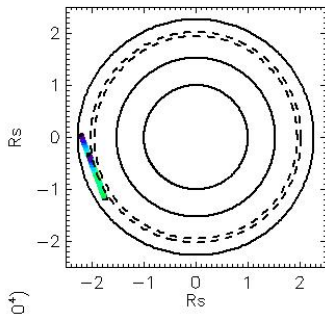
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_22_29_39

Observation Duration:
720 S

Integration time = 120 S



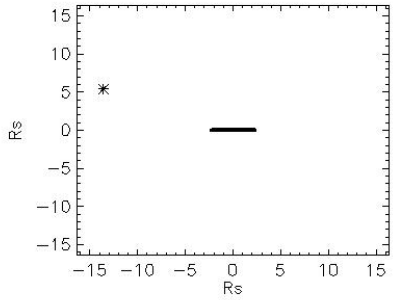
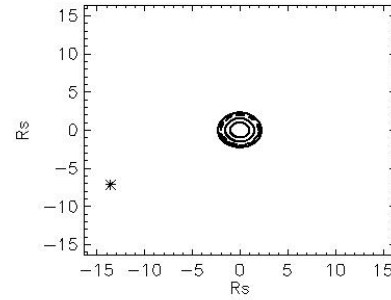
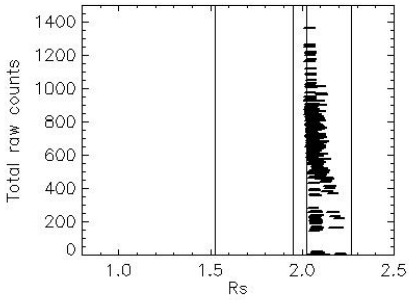
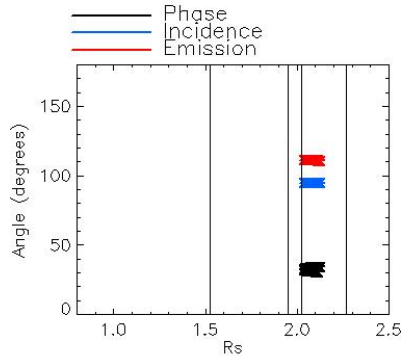
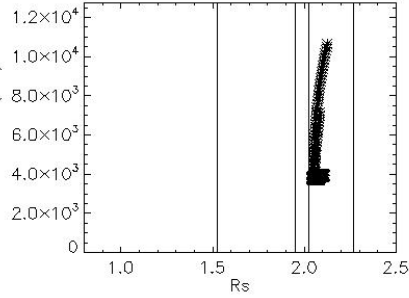
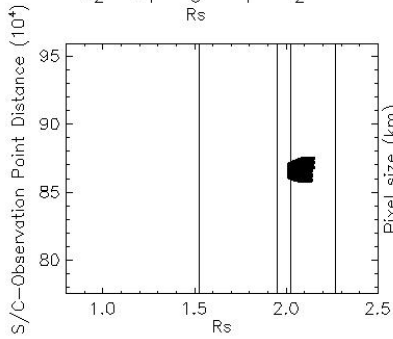


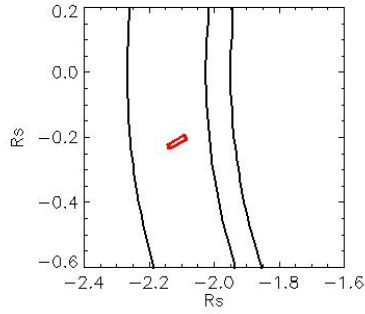
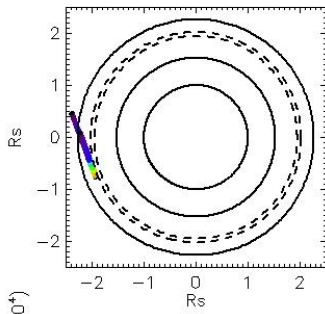
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_22_43_18

Observation Duration:
720 S

Integration time = 120 S



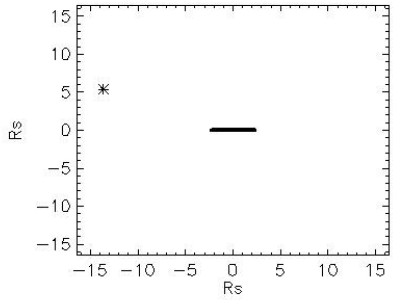
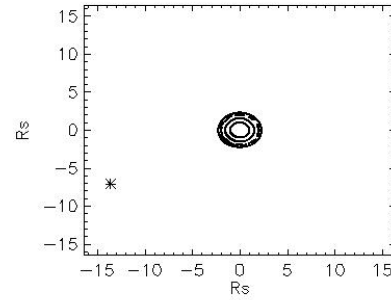
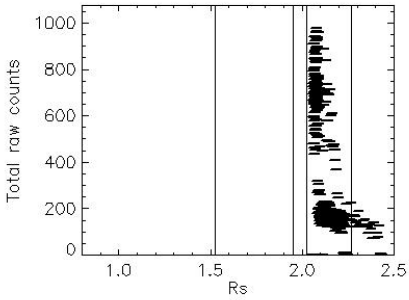
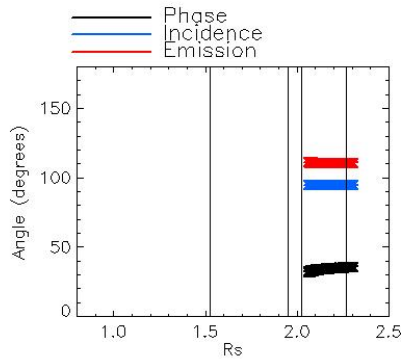
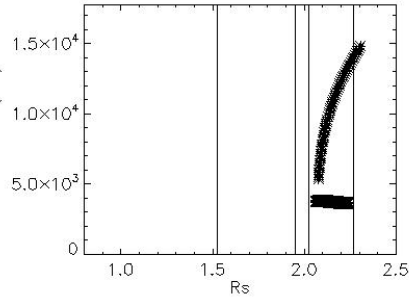
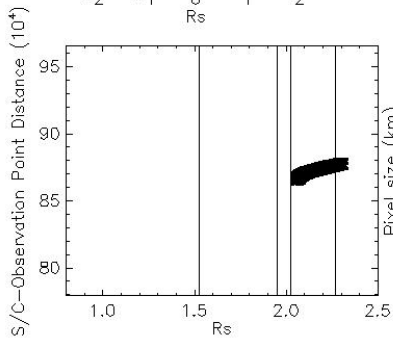


Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_22_56_57

Observation Duration:
720 S

Integration time = 120 S

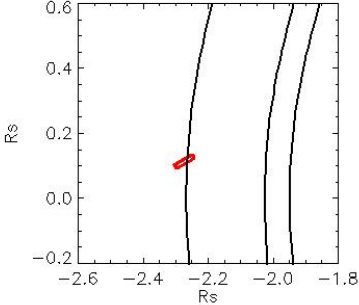
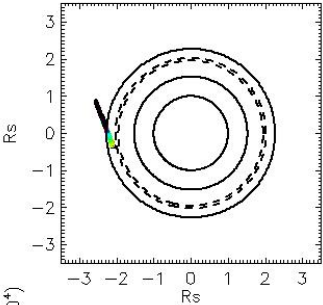


Observation Name:
UMS_089RLAPOMOSL107_VIMS

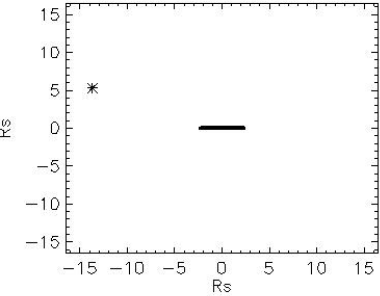
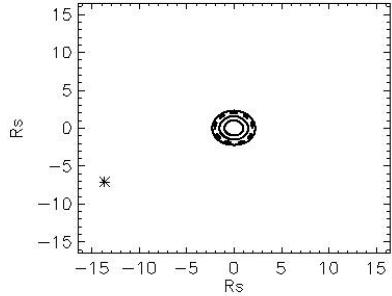
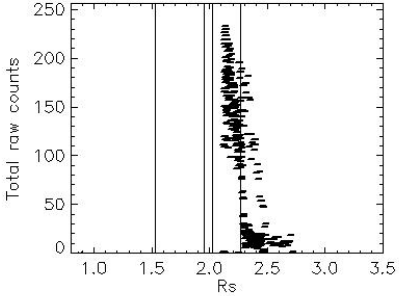
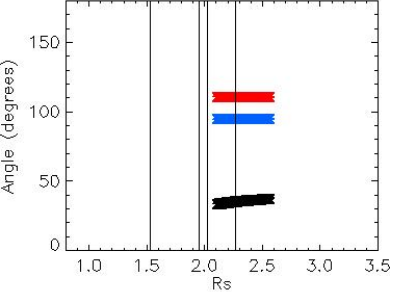
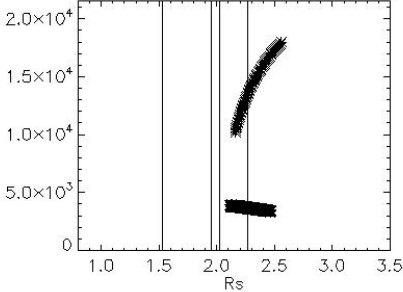
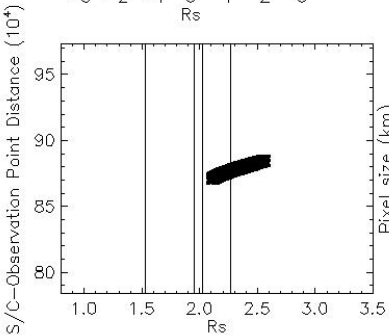
Observation Date:
2008_292_23_10_35

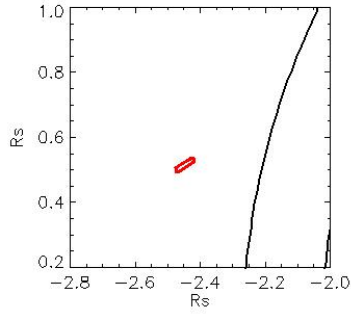
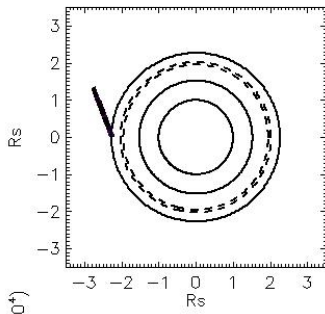
Observation Duration:
720 S

Integration time = 120 S



— Phase
— Incidence
— Emission



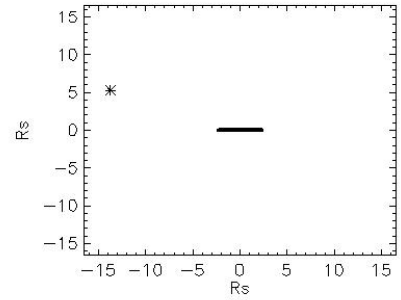
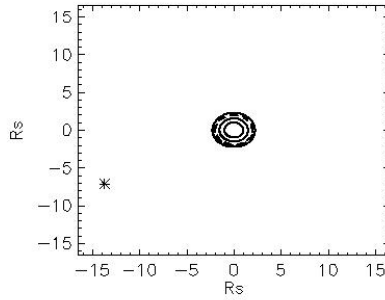
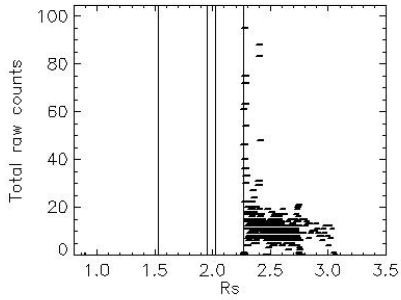
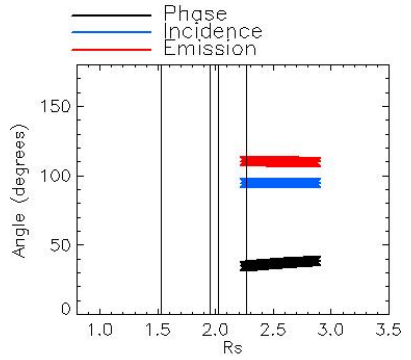
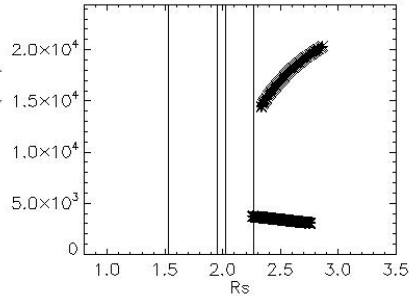
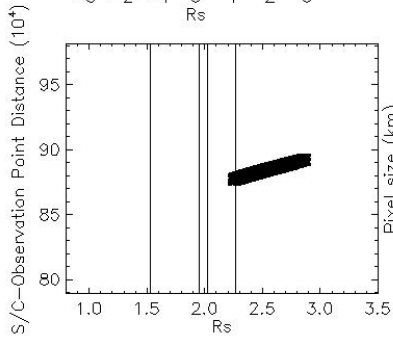


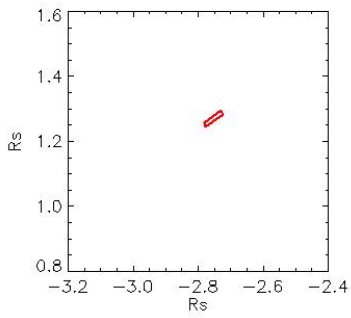
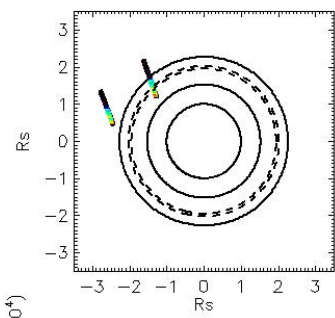
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_23_24_14

Observation Duration:
720 S

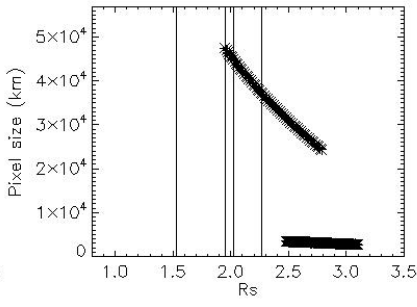
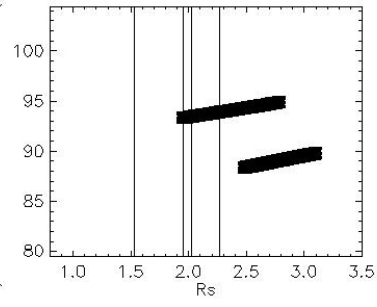
Integration time = 120 S



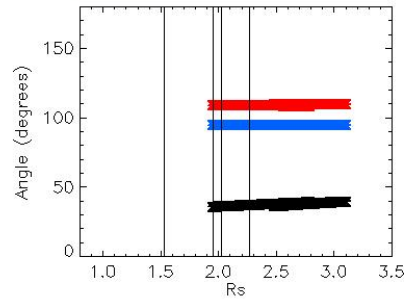


Observation Name:
 UVS_089RLAPOMOSL107_VIMS
 Observation Date:
 2008_292_23_37_54
 Observation Duration:
 720 S
 Integration time = 120 S

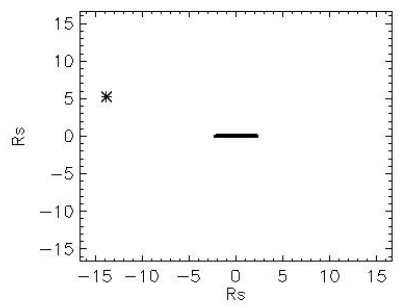
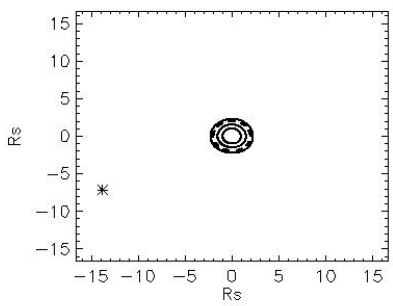
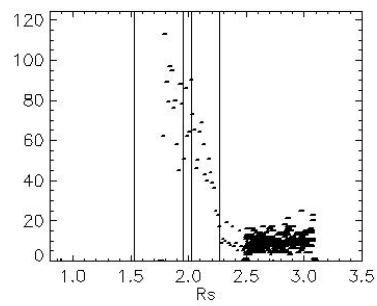
S/C—Observation Point Distance (10^4)

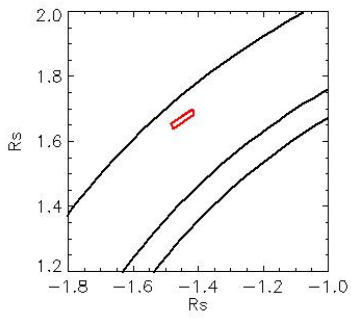
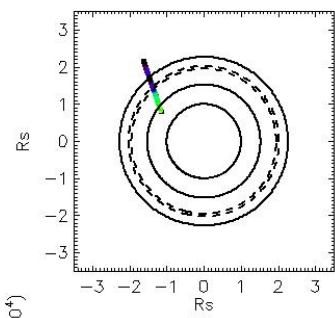


— Phase
 — Incidence
 — Emission



Total raw counts



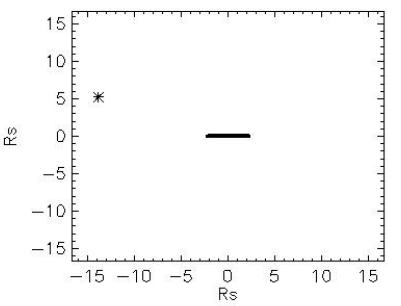
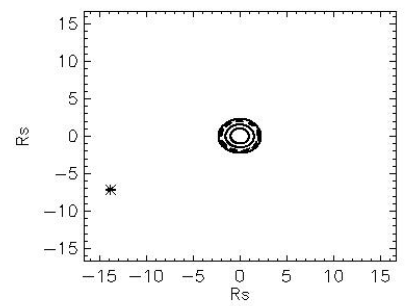
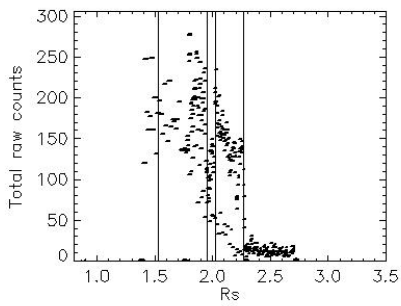
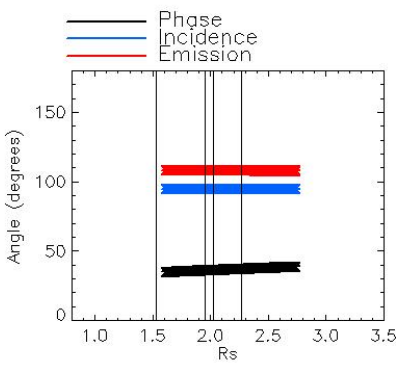
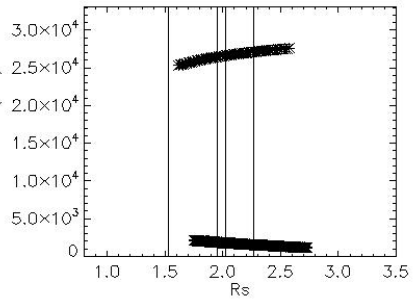
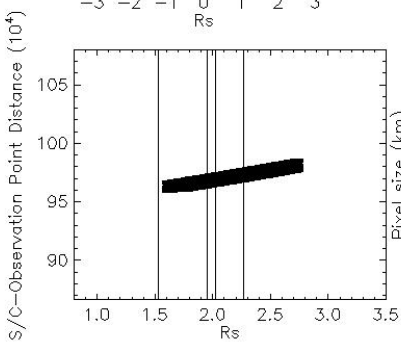


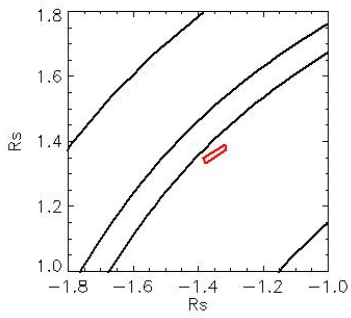
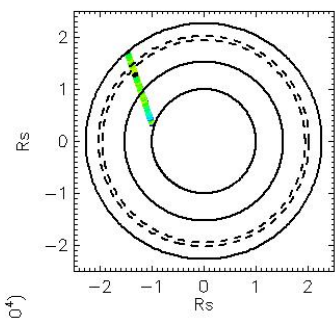
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_292_23_50_48

Observation Duration:
720 S

Integration time = 120 S



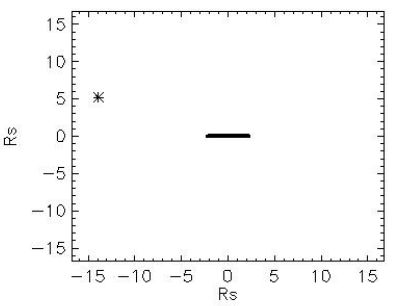
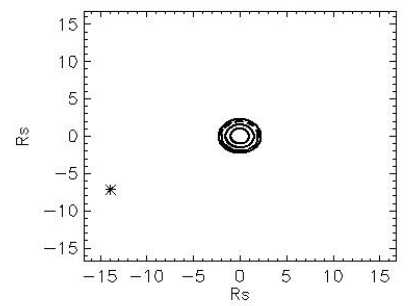
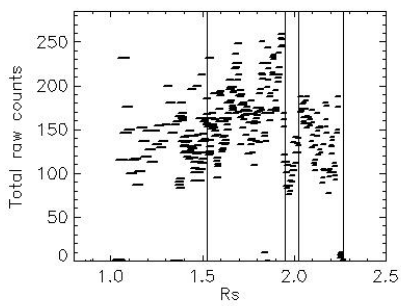
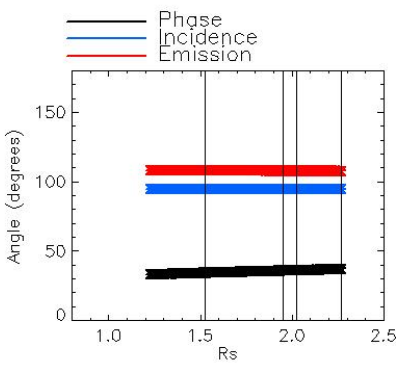
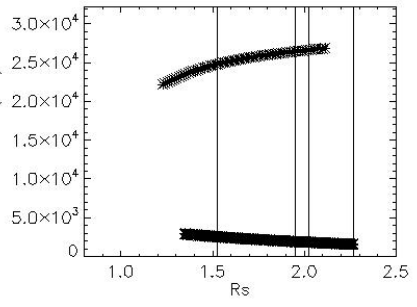
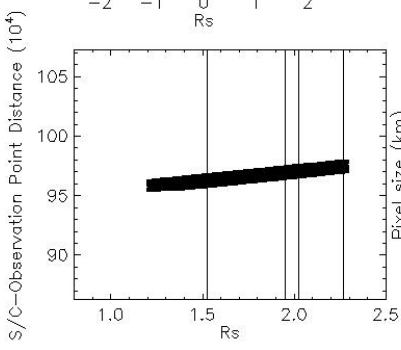


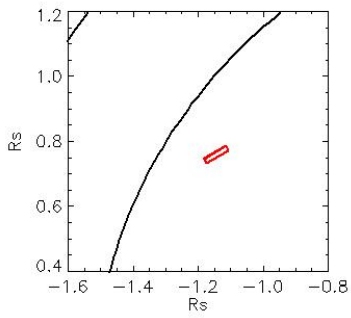
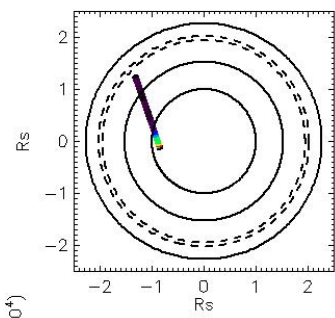
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_00_04_27

Observation Duration:
720 S

Integration time = 120 S



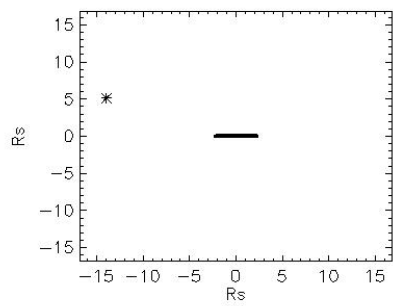
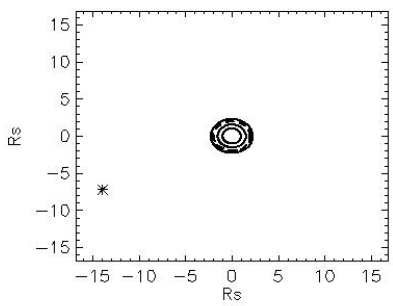
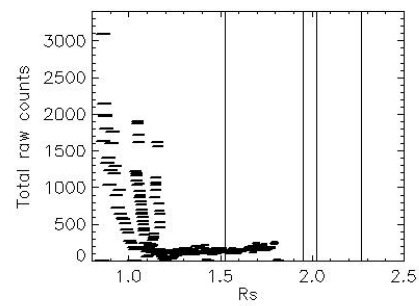
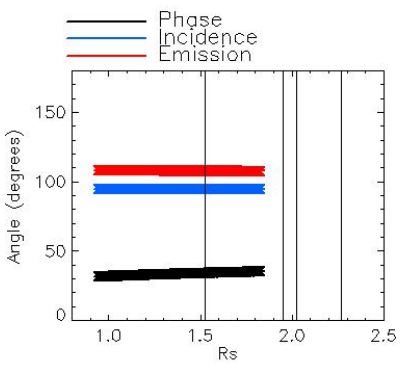
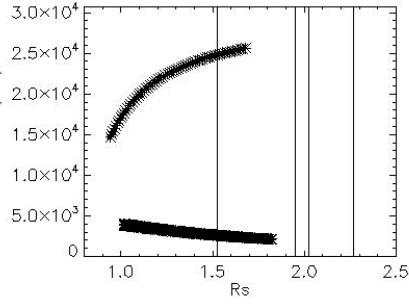
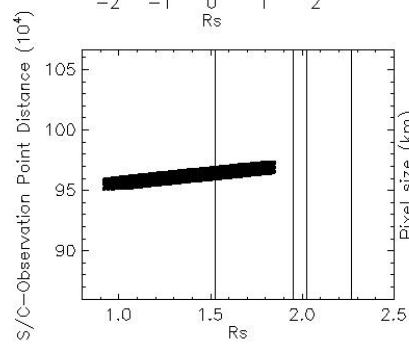


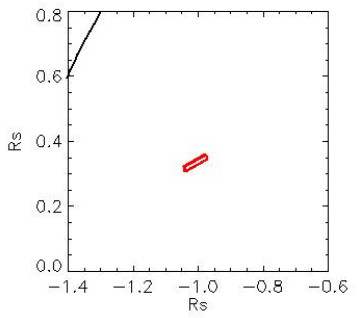
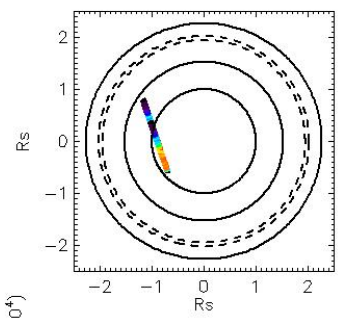
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_00_18_05

Observation Duration:
720 S

Integration time = 120 S



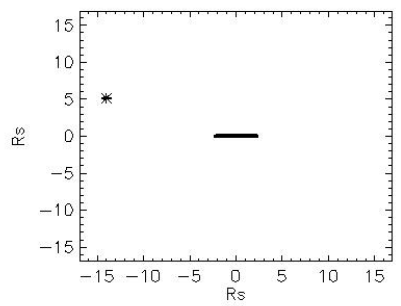
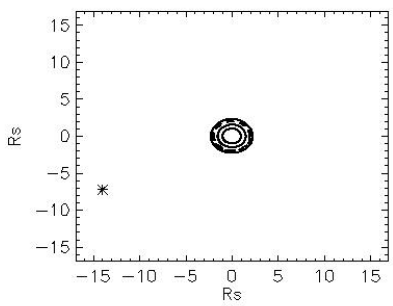
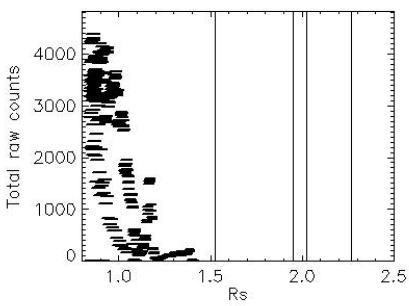
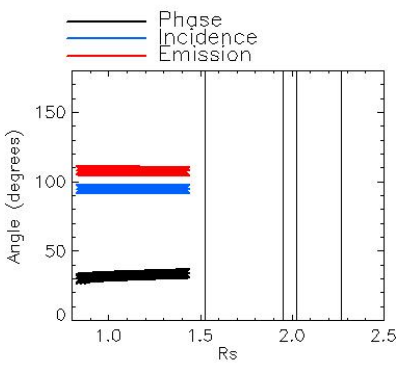
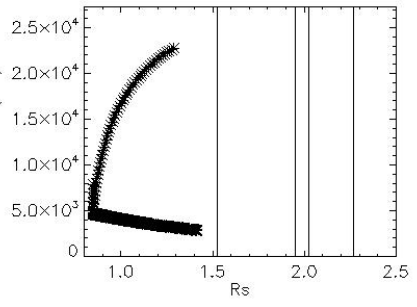
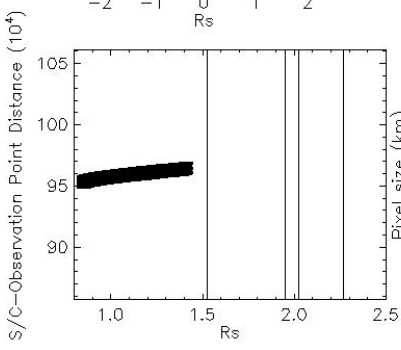


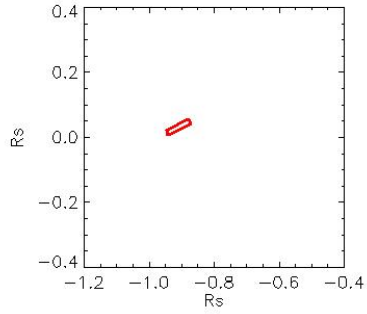
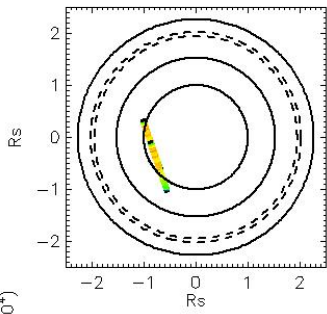
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_00_31_44

Observation Duration:
720 S

Integration time = 120 S



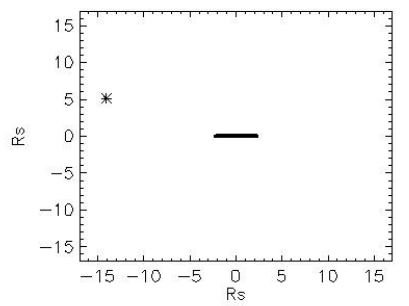
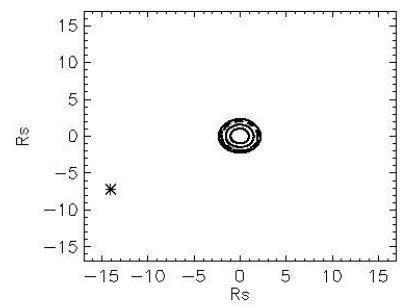
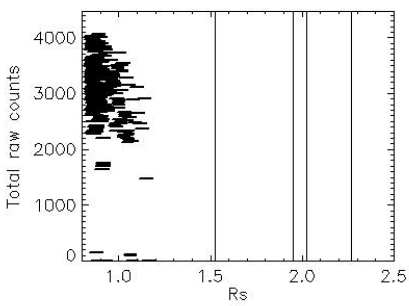
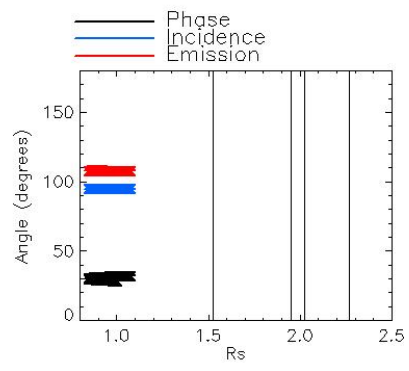
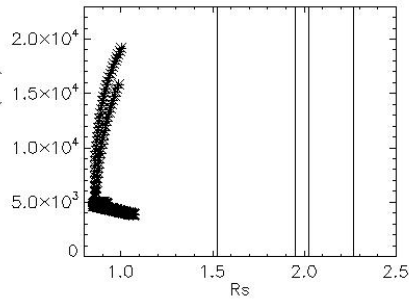
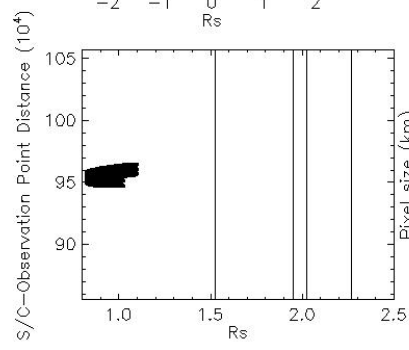


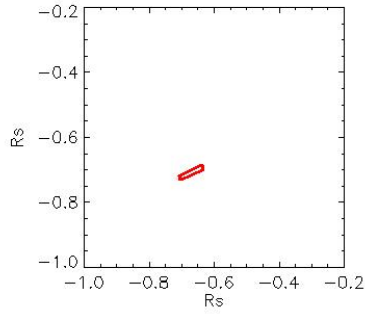
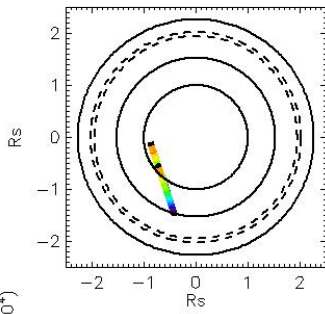
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_00_45_23

Observation Duration:
720 S

Integration time = 120 S



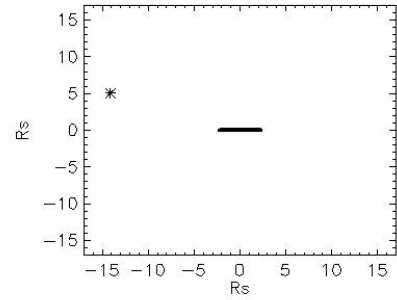
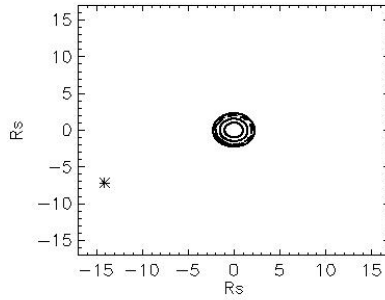
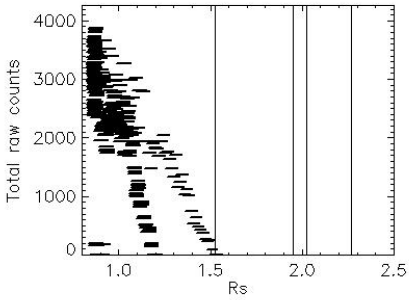
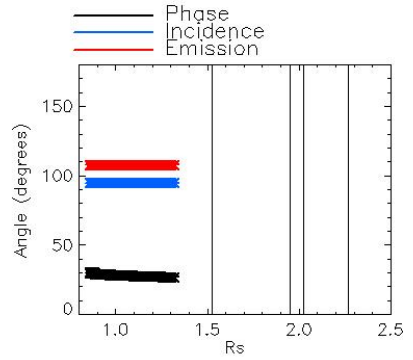
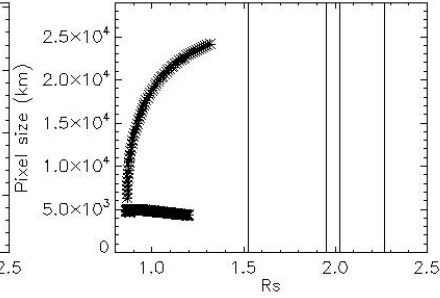
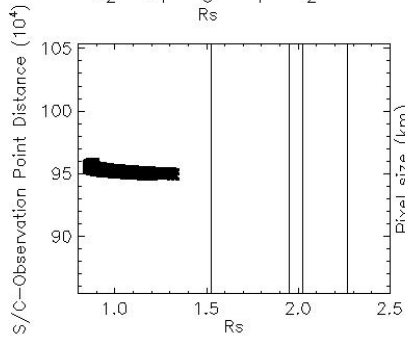


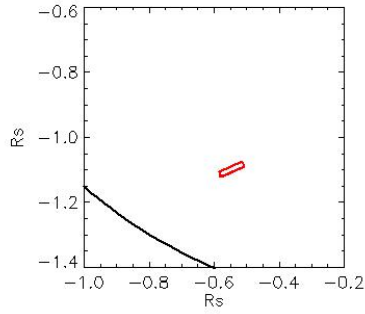
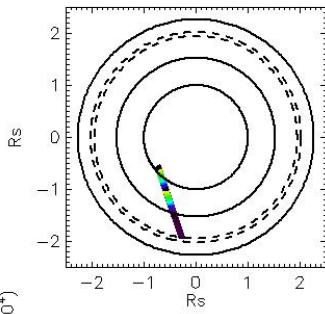
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_00_59_02

Observation Duration:
720 S

Integration time = 120 S



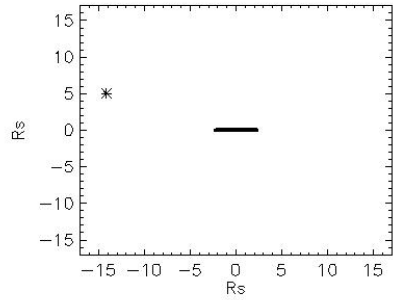
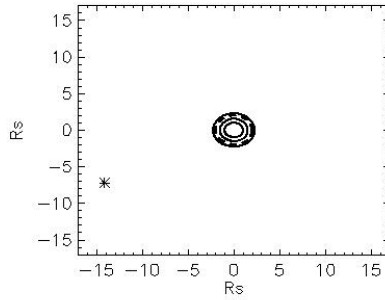
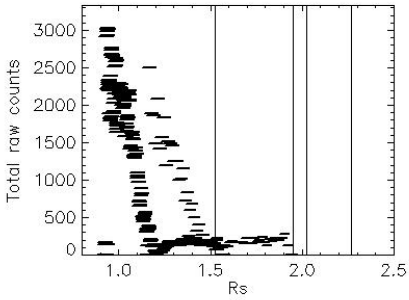
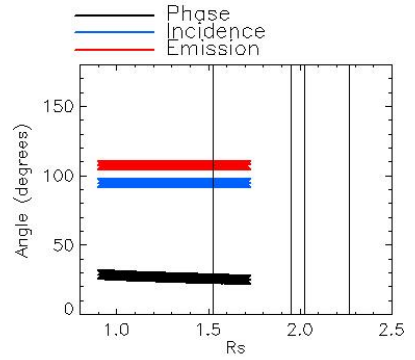
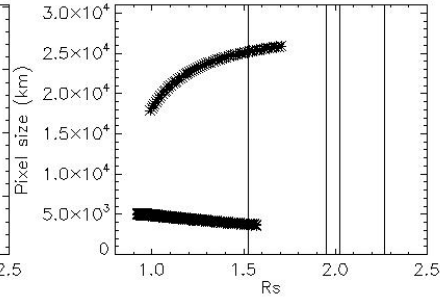
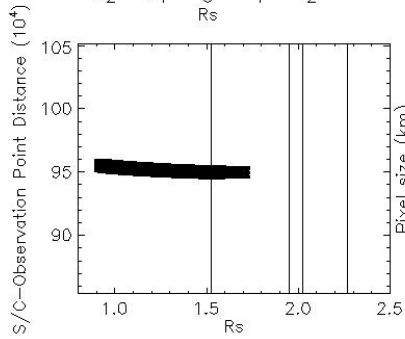


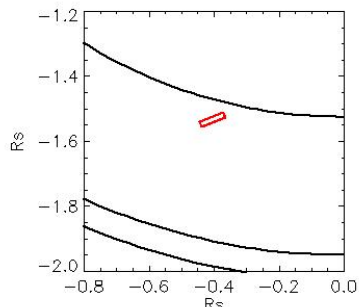
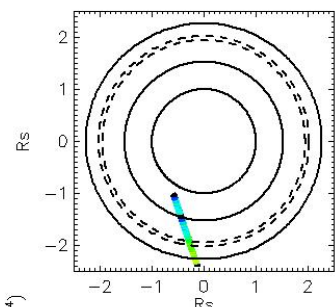
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_01_12_41

Observation Duration:
720 S

Integration time = 120 S



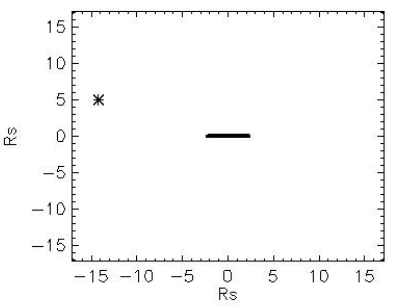
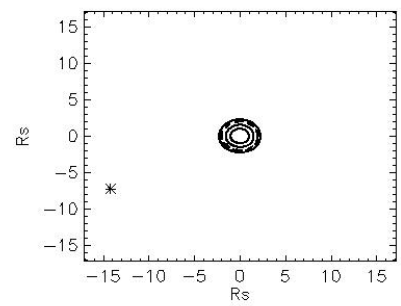
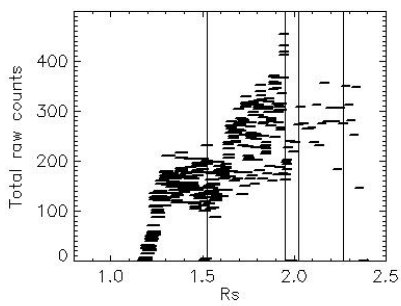
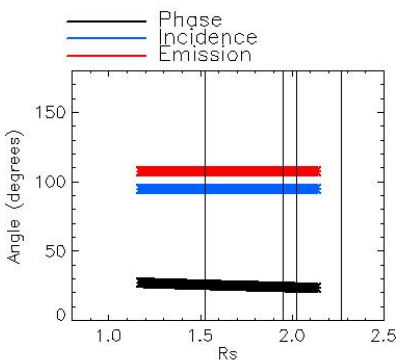
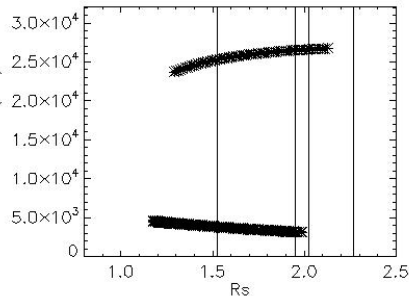
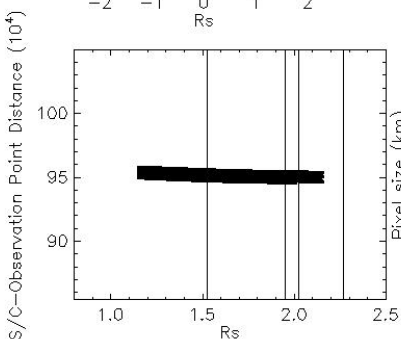


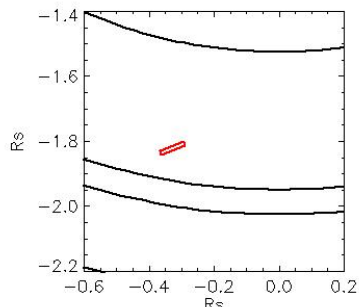
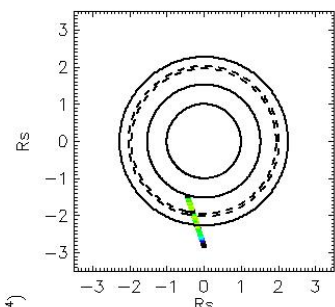
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_01_26_20

Observation Duration:
720 S

Integration time = 120 S



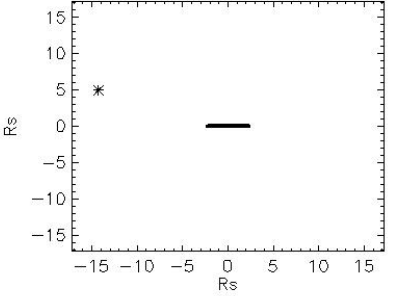
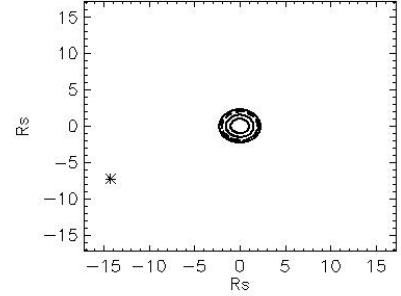
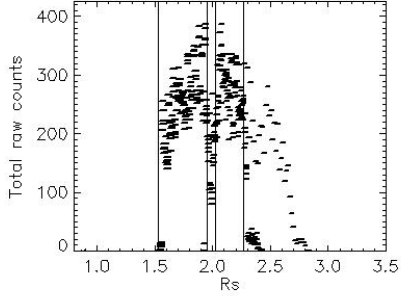
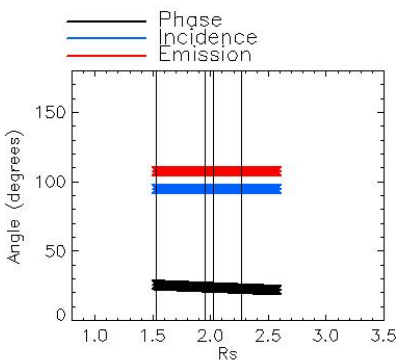
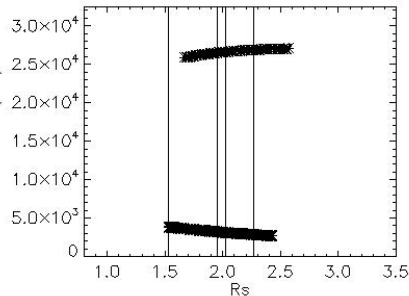
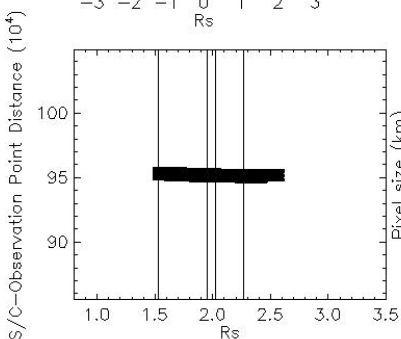


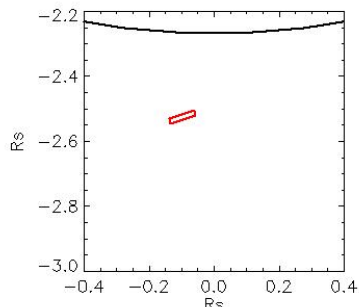
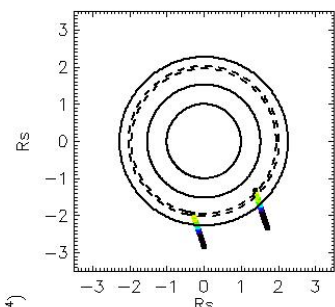
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_01_39_59

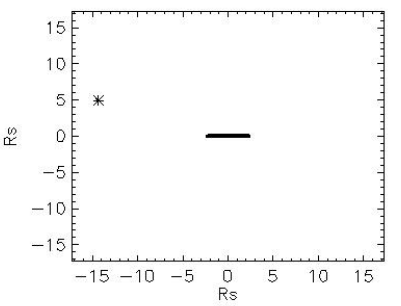
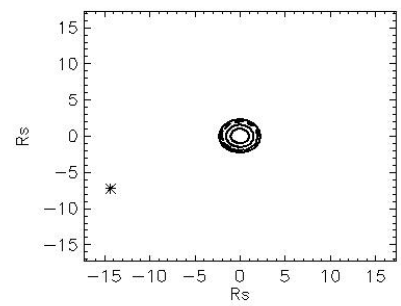
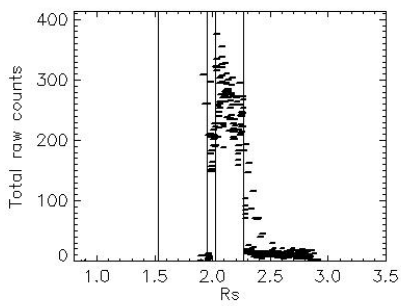
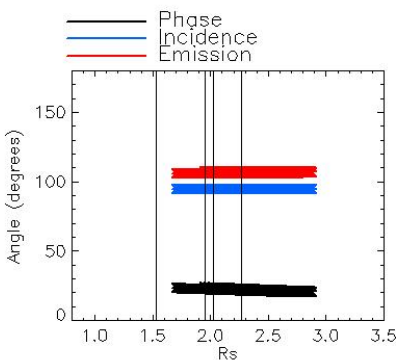
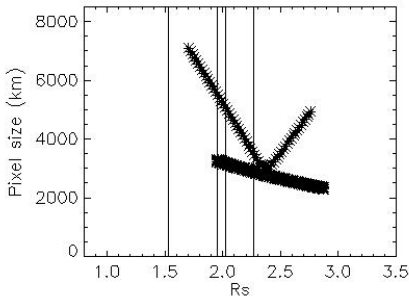
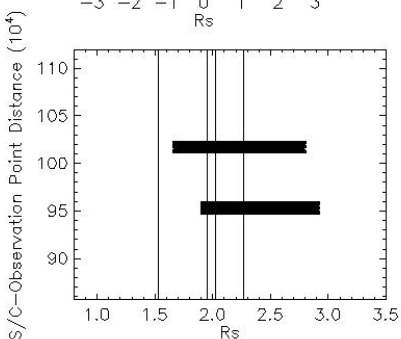
Observation Duration:
720 S

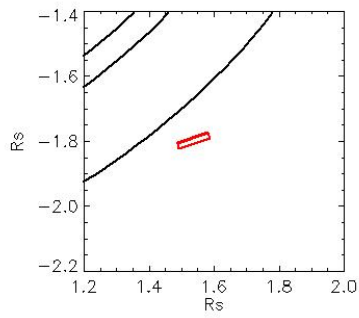
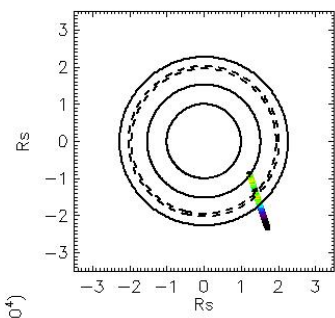
Integration time = 120 S





Observation Name:
 UVS_089RLAPOMOSL107_VIMS
 Observation Date:
 2008_293_01_53_38
 Observation Duration:
 720 S
 Integration time = 120 S



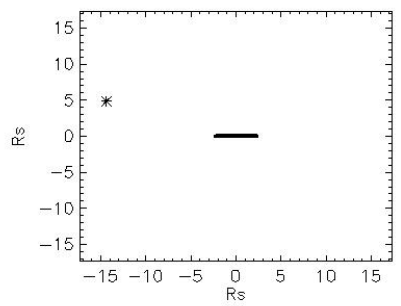
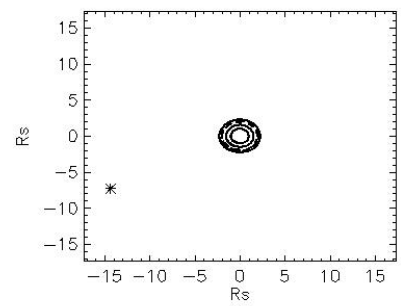
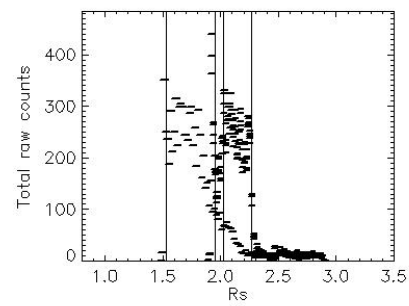
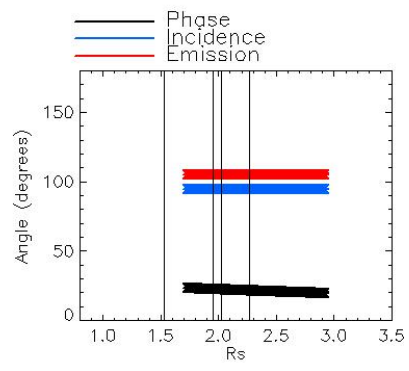
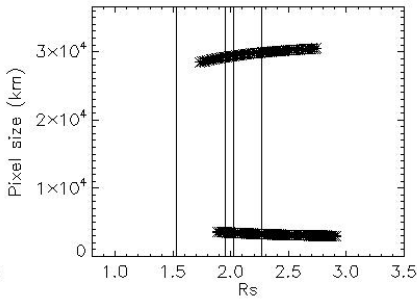
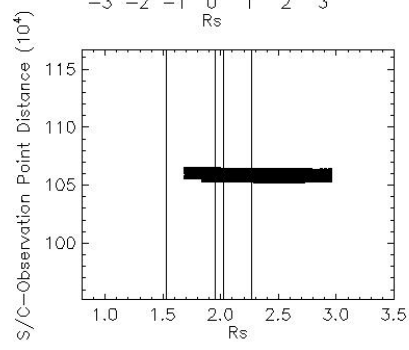


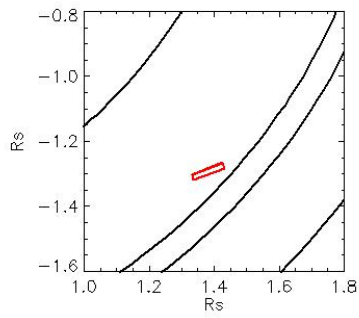
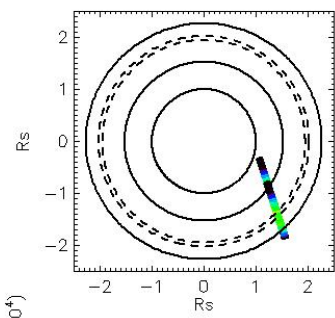
Observation Name:
UMS_089RLAPOMSL107_VIMS

Observation Date:
2008_293_02_06_32

Observation Duration:
720 S

Integration time = 120 S





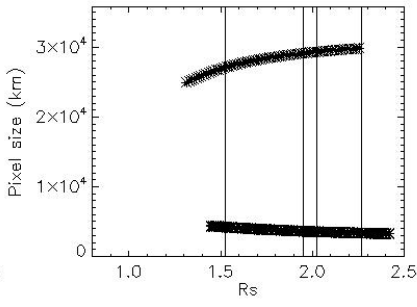
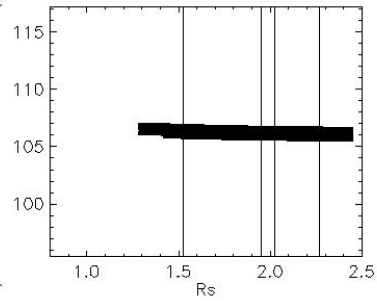
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_02_20_11

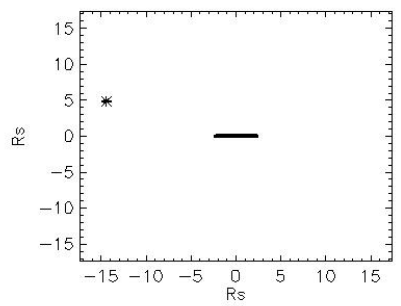
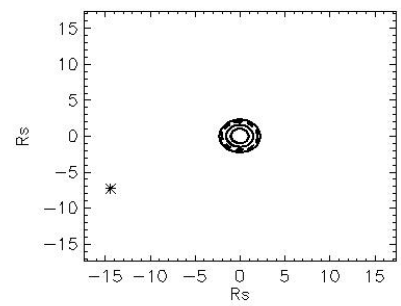
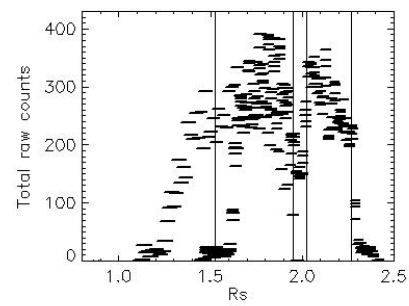
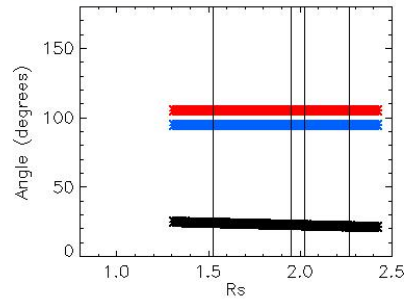
Observation Duration:
720 S

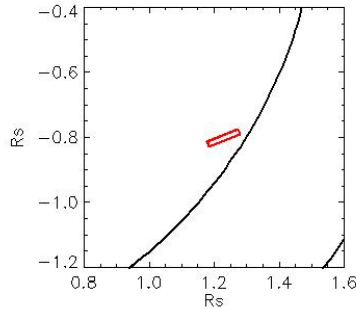
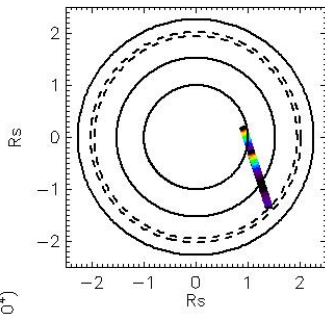
Integration time = 120 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission





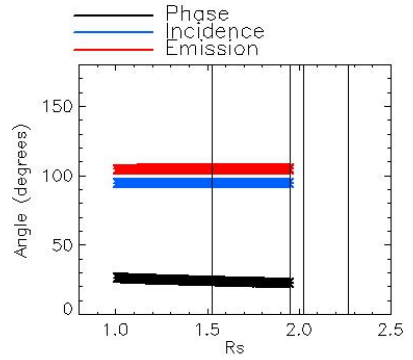
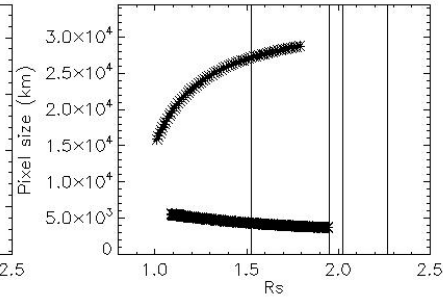
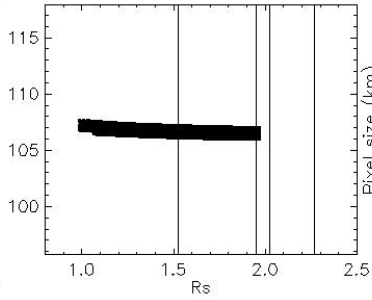
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_02_33_50

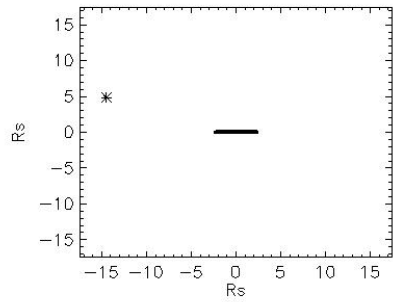
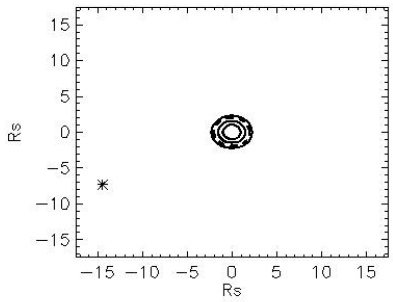
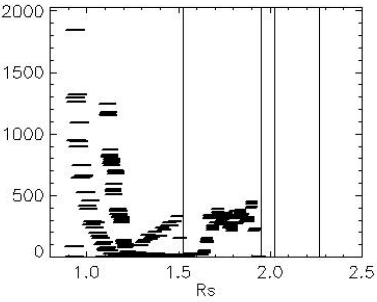
Observation Duration:
720 S

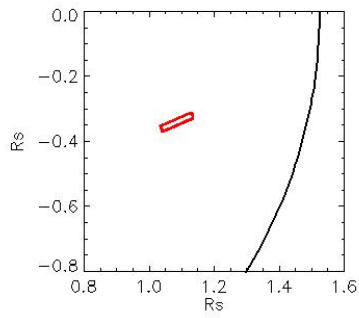
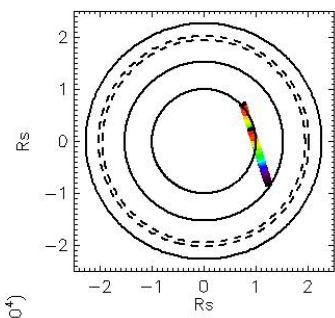
Integration time = 120 S

S/C—Observation Point Distance (10^4)



Total raw counts



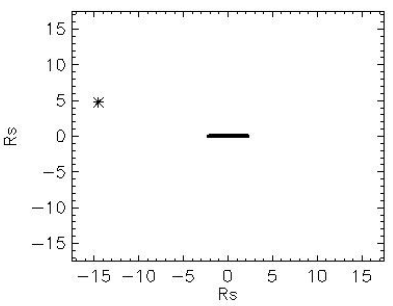
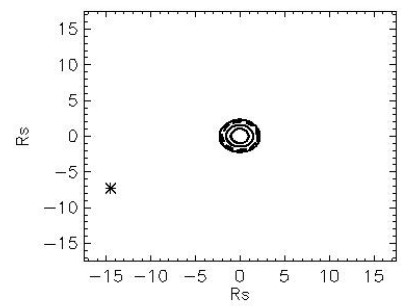
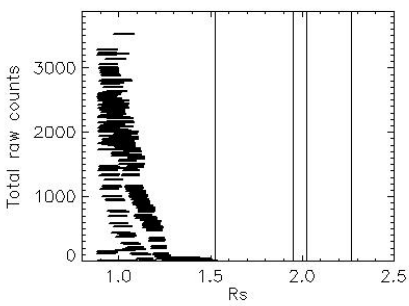
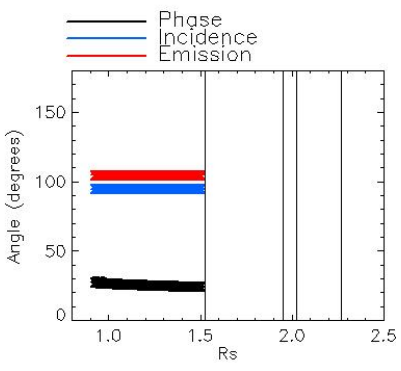
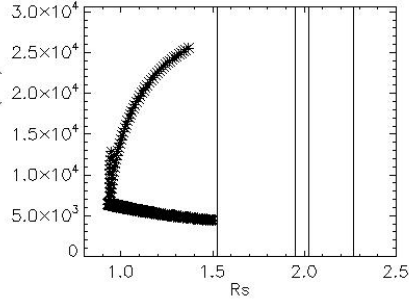
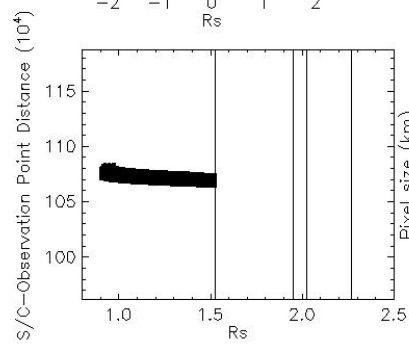


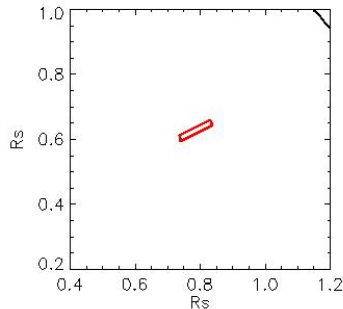
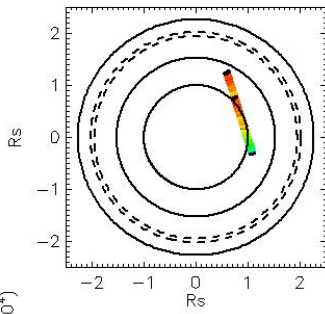
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_02_47_29

Observation Duration:
720 S

Integration time = 120 S



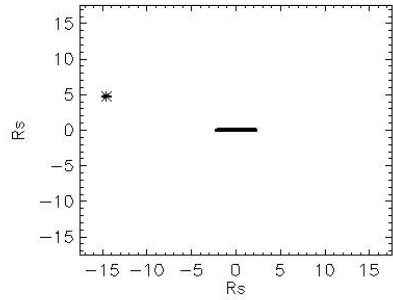
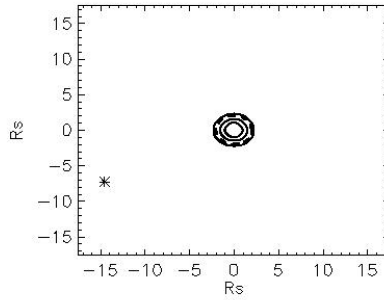
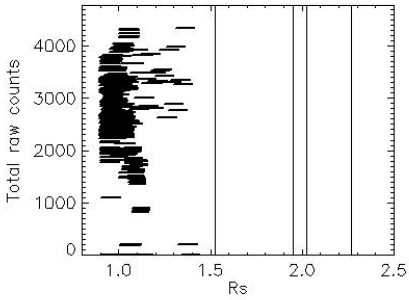
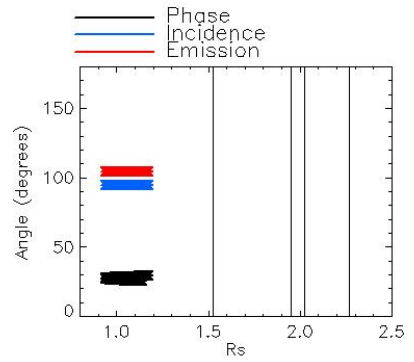
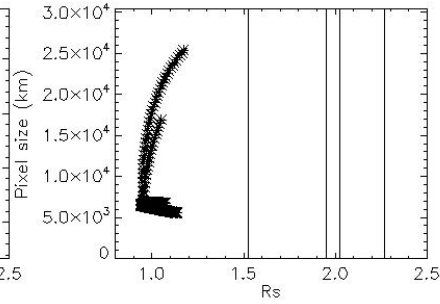
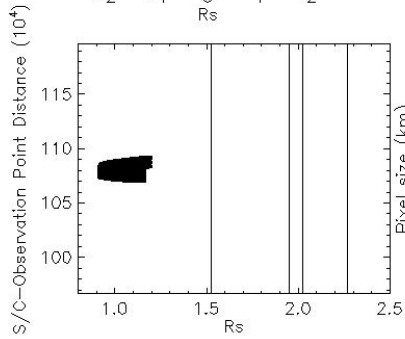


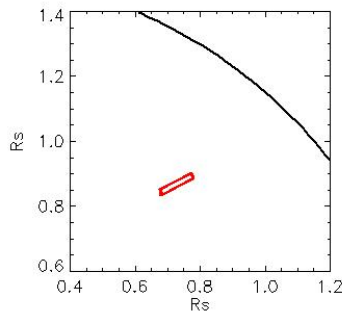
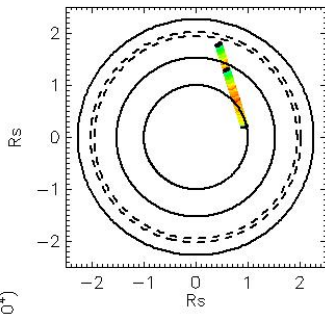
Observation Name:
UVIS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_03_01_08

Observation Duration:
720 S

Integration time = 120 S



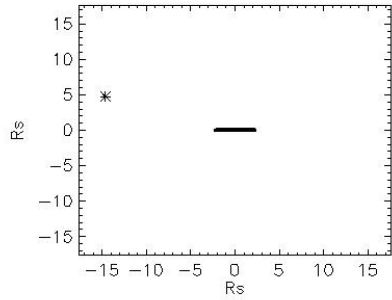
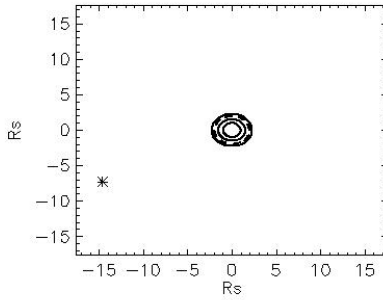
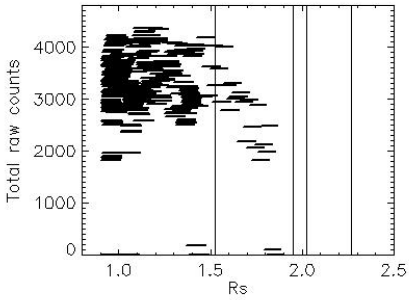
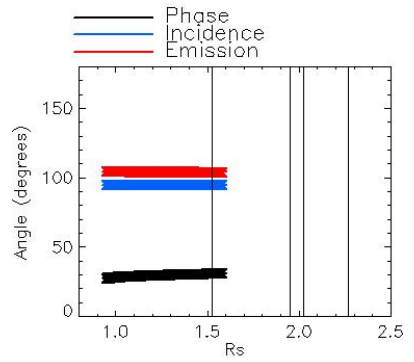
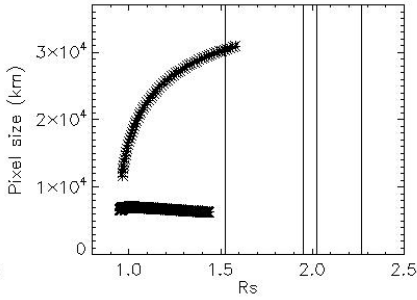
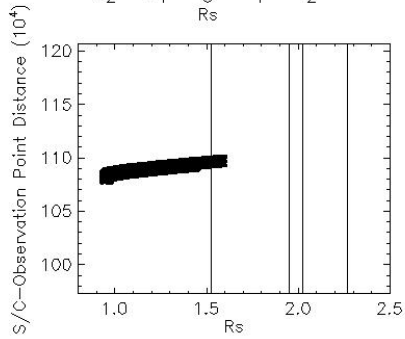


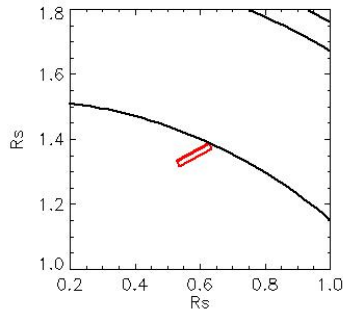
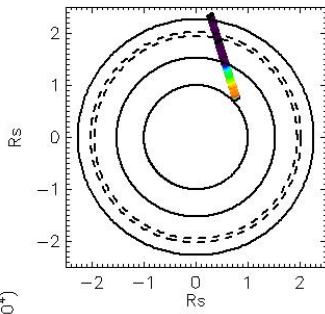
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_03_14_47

Observation Duration:
720 S

Integration time = 120 S



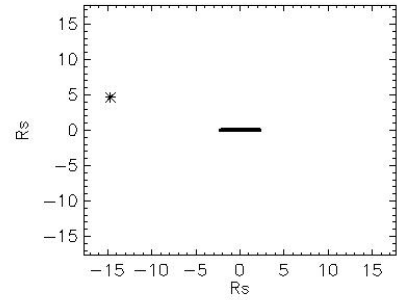
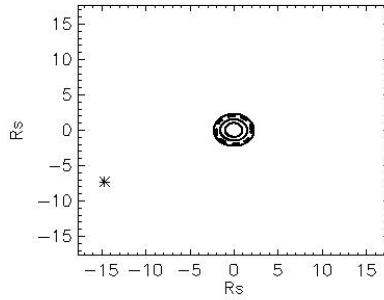
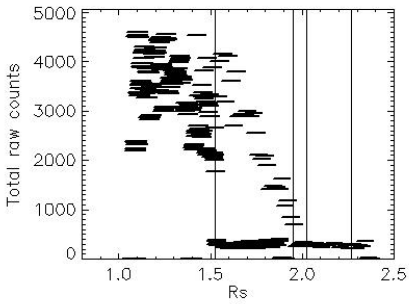
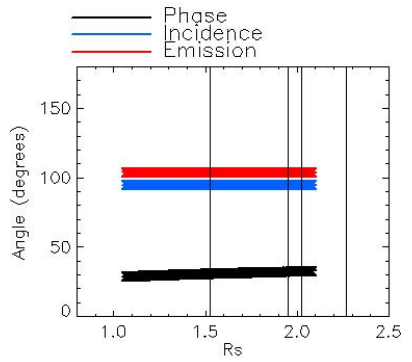
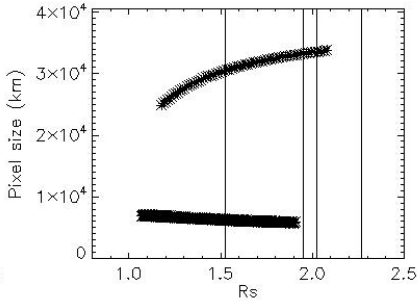
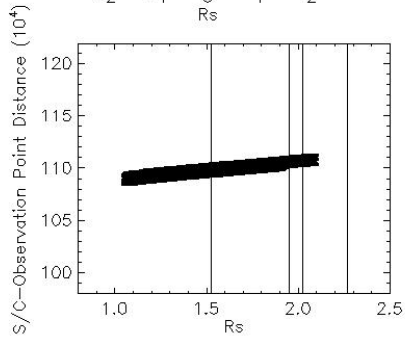


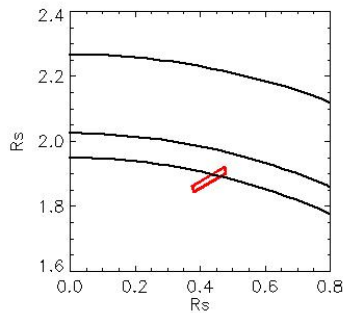
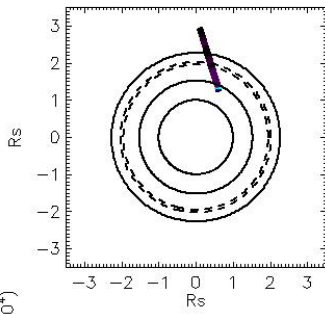
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_03_28_27

Observation Duration:
720 S

Integration time = 120 S



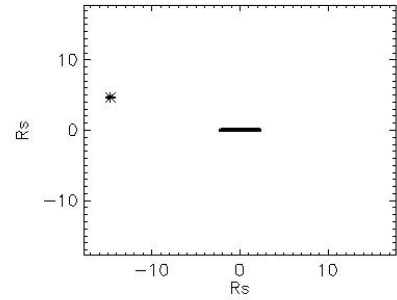
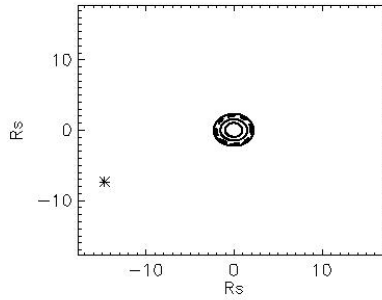
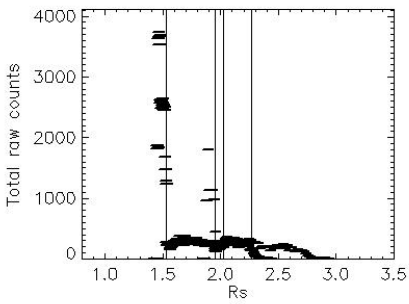
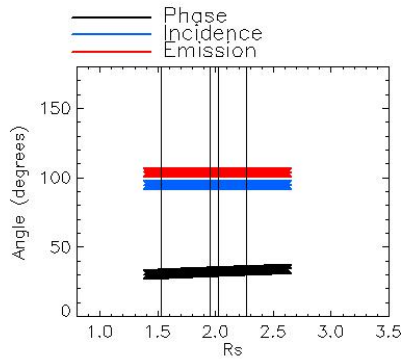
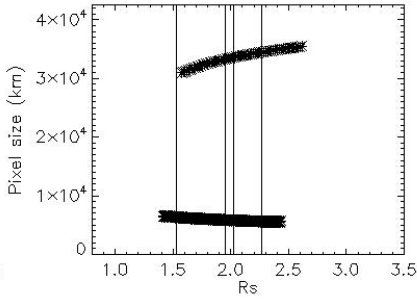
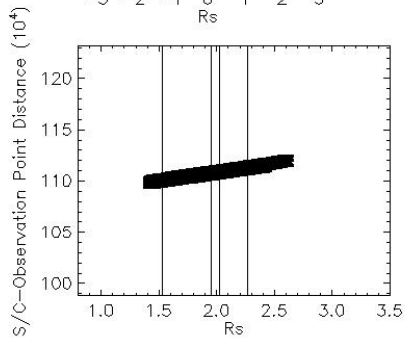


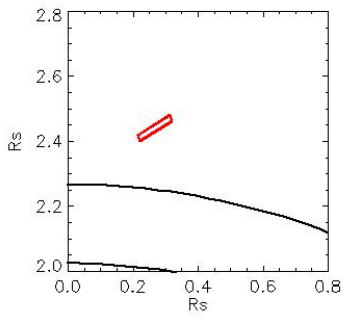
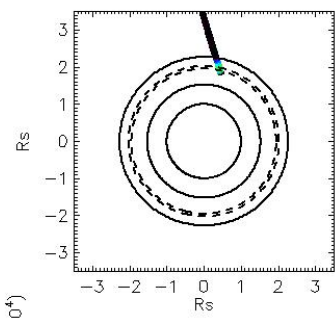
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_03_42_06

Observation Duration:
720 S

Integration time = 120 S



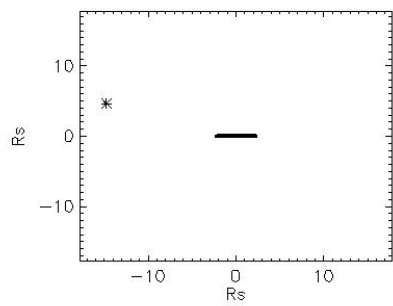
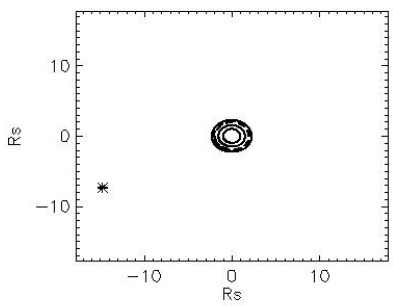
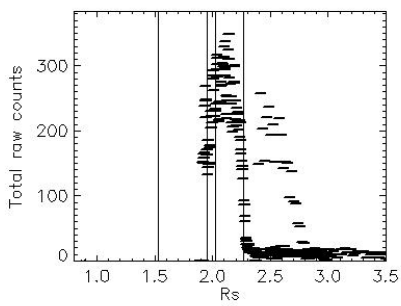
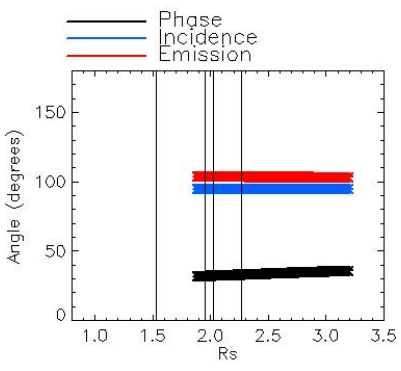
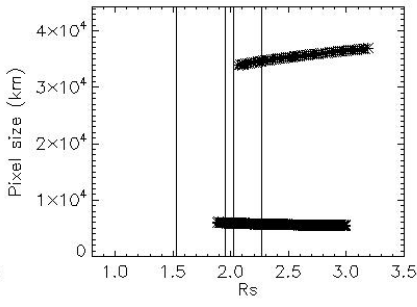
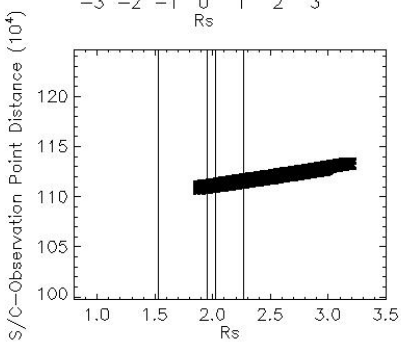


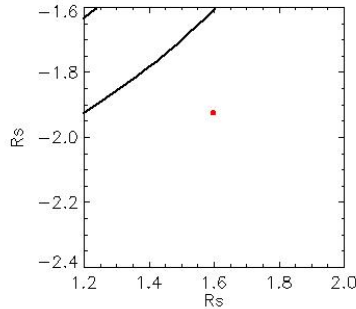
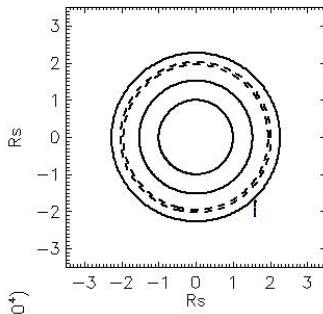
Observation Name:
UMS_089RLAPOMOSL107_VIMS

Observation Date:
2008_293_03_55_45

Observation Duration:
720 S

Integration time = 120 S



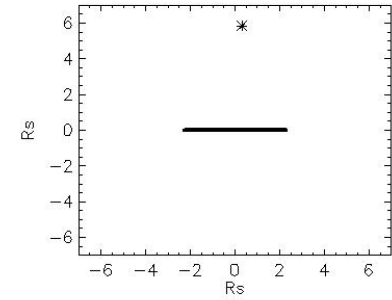
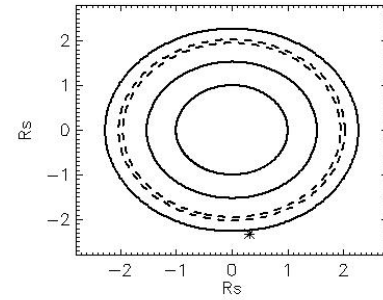
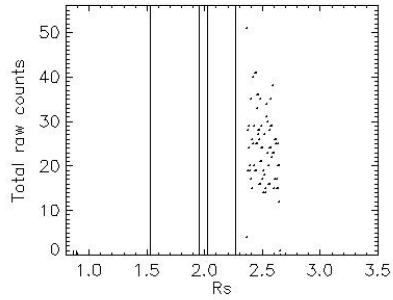
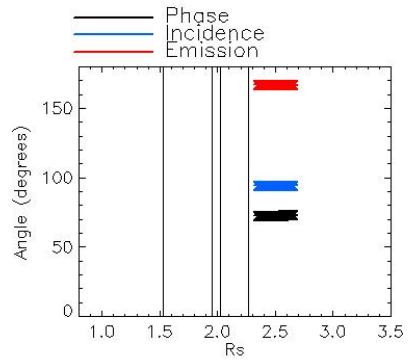
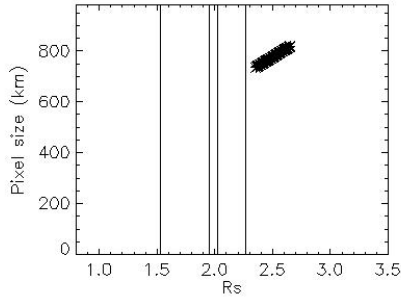
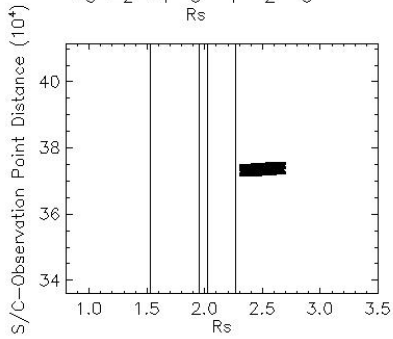


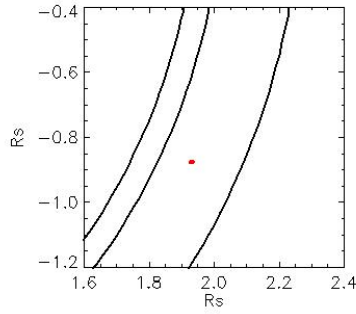
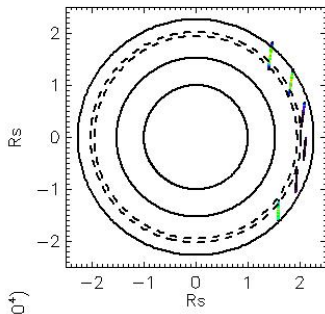
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_19_15_51

Observation Duration:
300 S

Integration time = 300 S



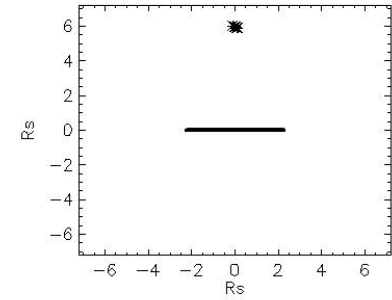
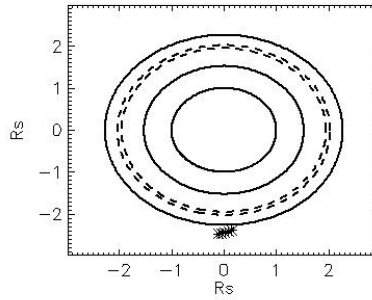
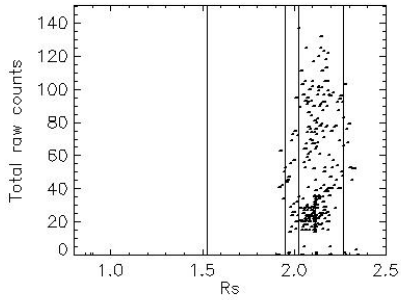
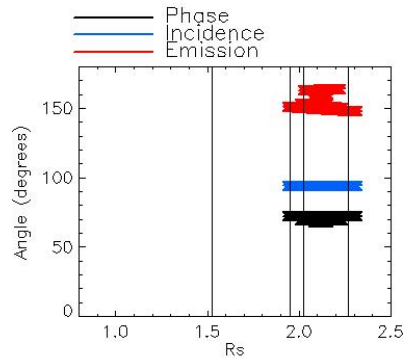
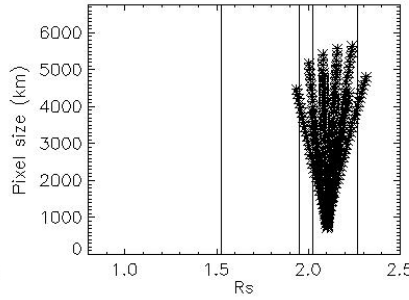
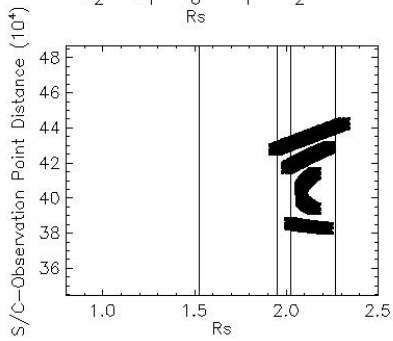


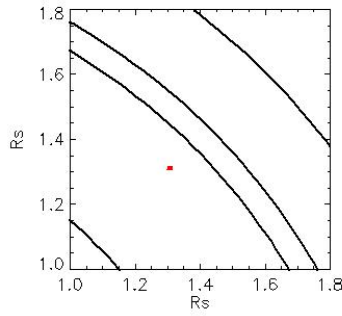
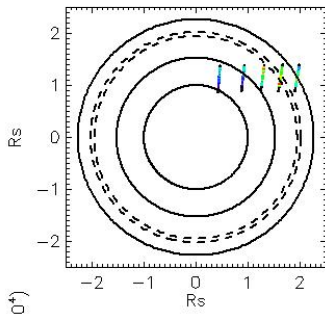
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_19_28_51

Observation Duration:
1500 S

Integration time = 300 S



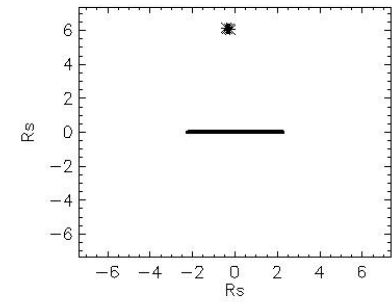
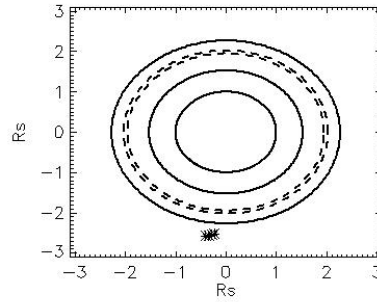
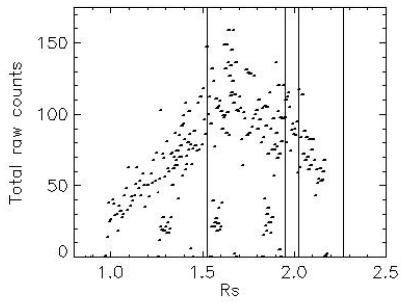
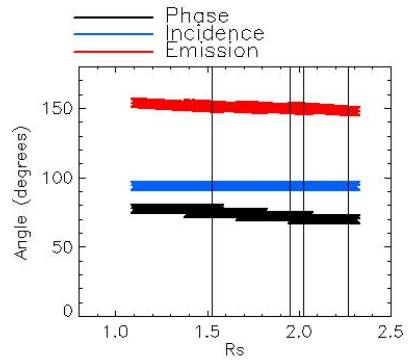
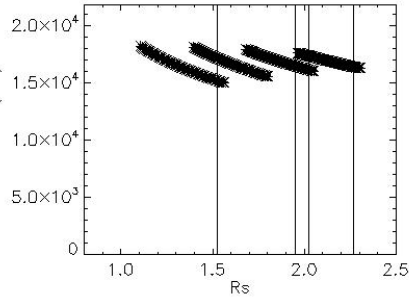
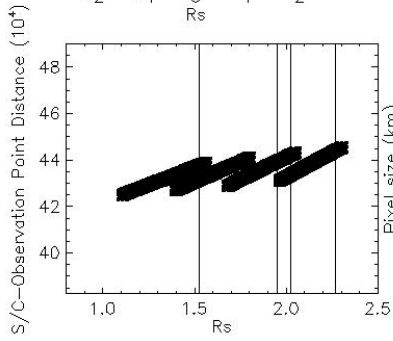


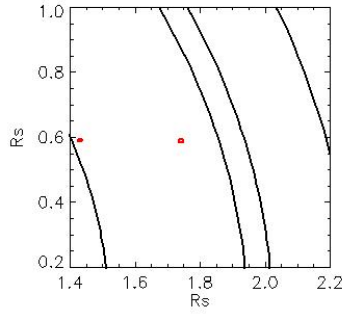
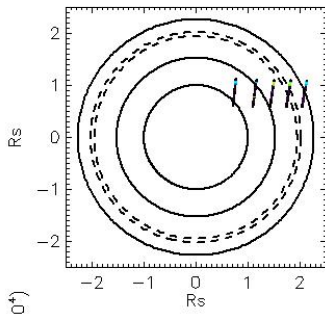
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_19_59_51

Observation Duration:
1200 S

Integration time = 300 S



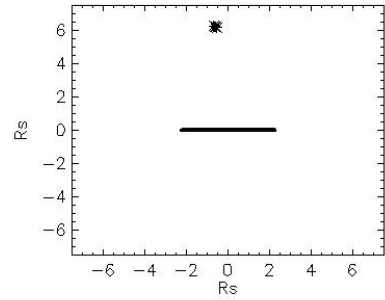
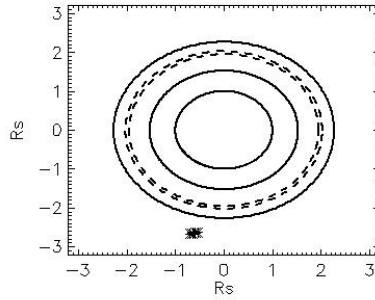
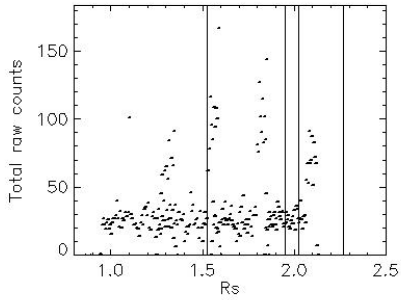
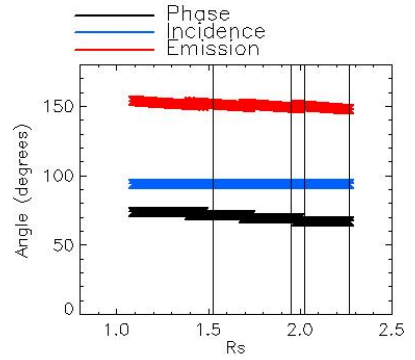
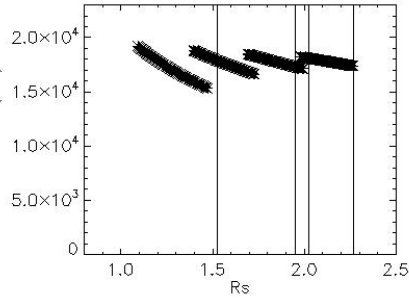
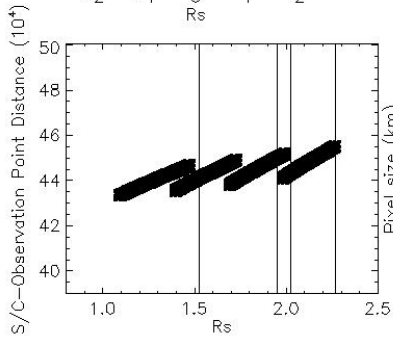


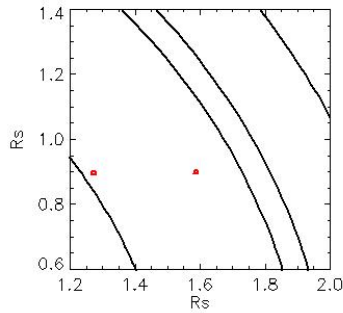
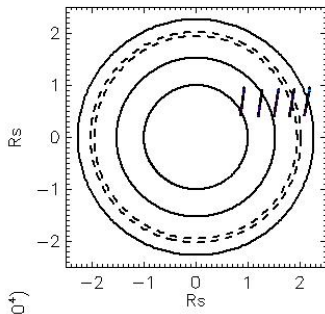
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_20_26_51

Observation Duration:
1200 S

Integration time = 300 S



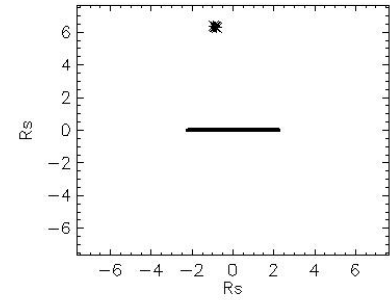
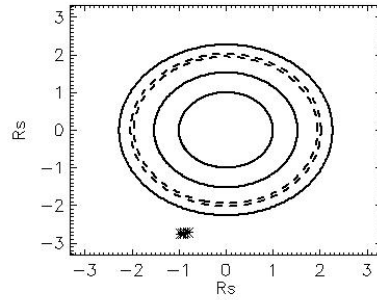
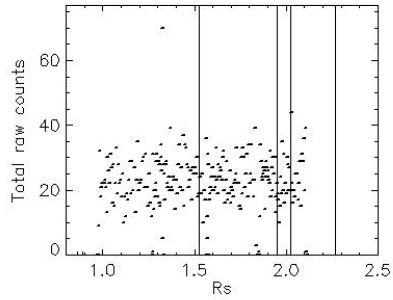
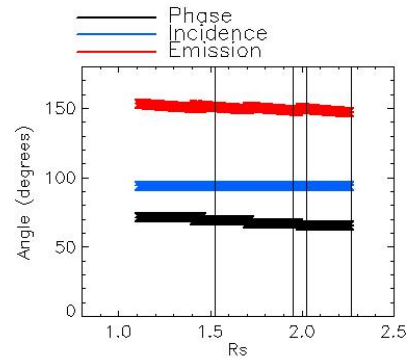
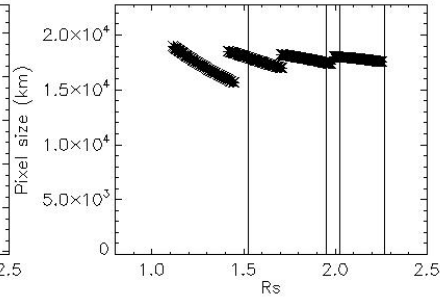
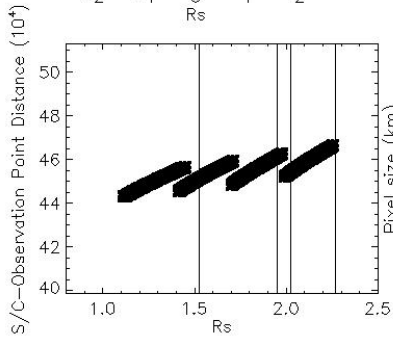


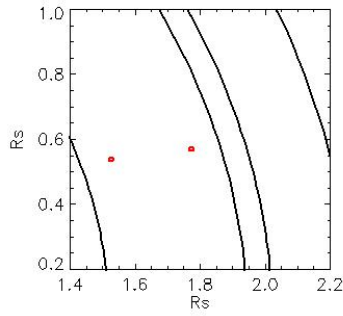
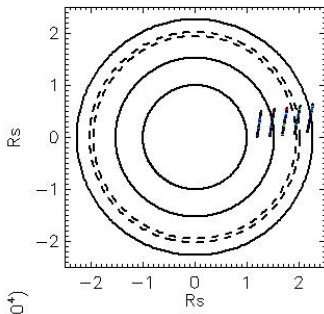
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_20_52_51

Observation Duration:
1200 S

Integration time = 300 S



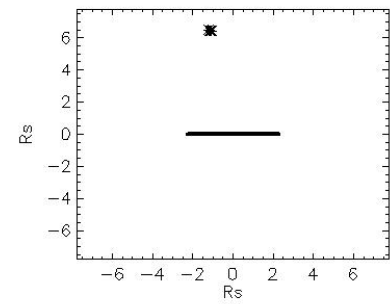
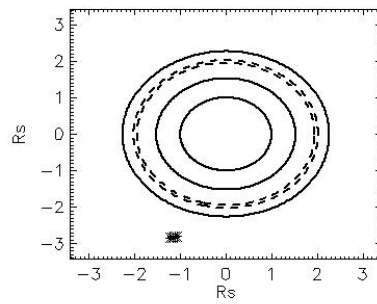
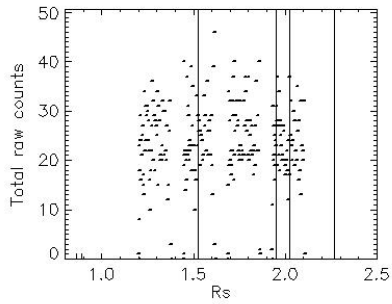
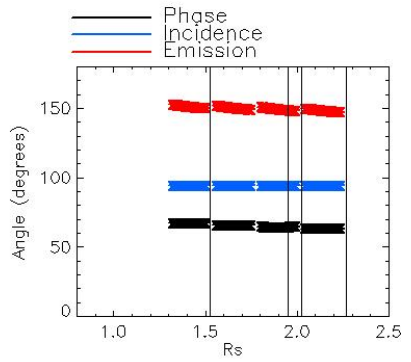
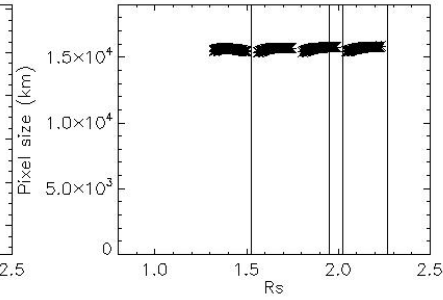
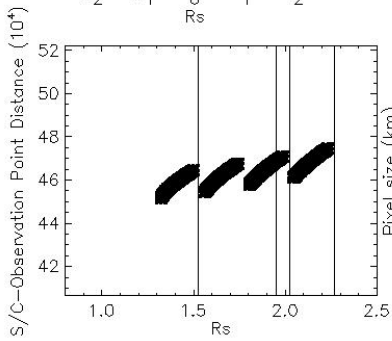


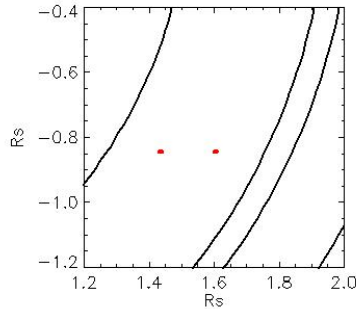
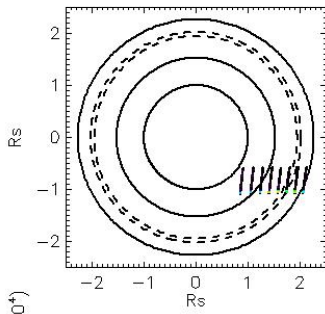
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_21_18_51

Observation Duration:
1200 S

Integration time = 300 S



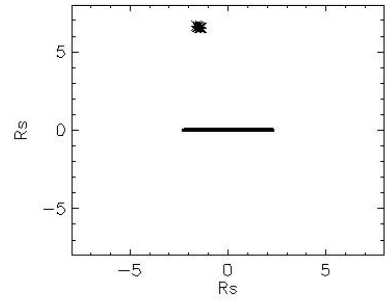
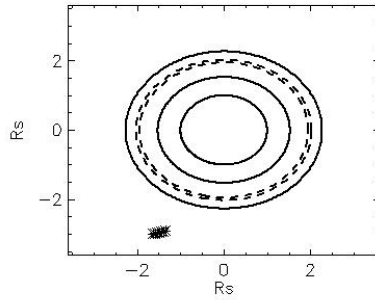
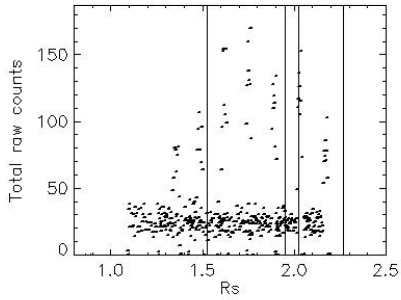
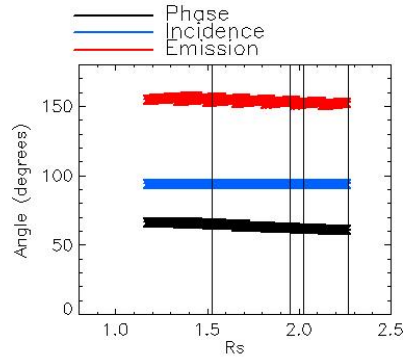
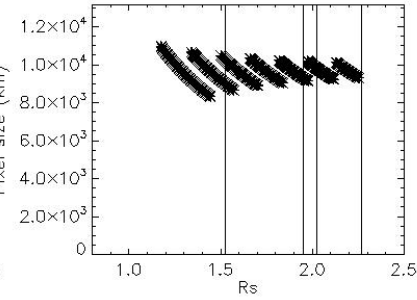
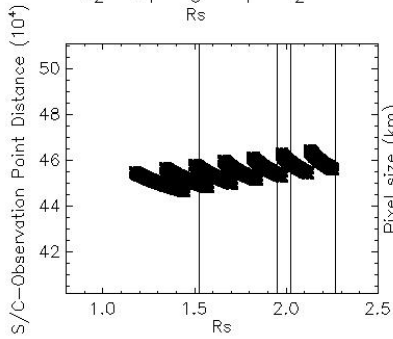


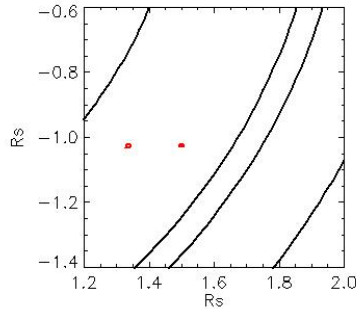
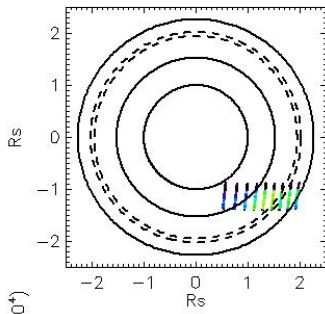
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_21_47_51

Observation Duration:
2100 S

Integration time = 300 S



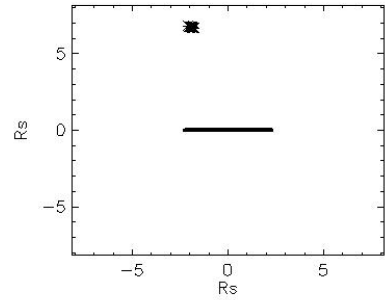
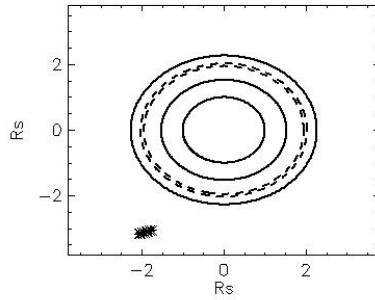
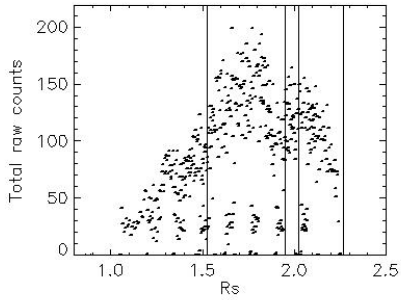
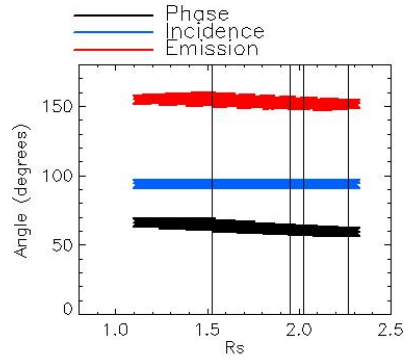
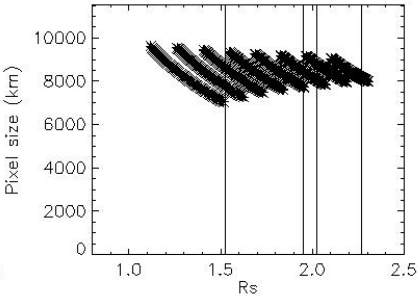
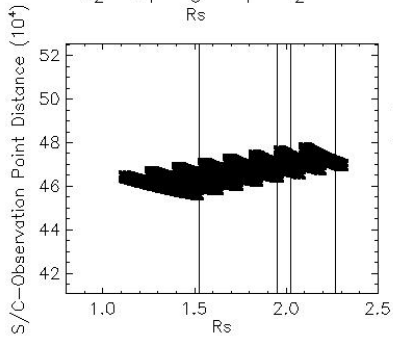


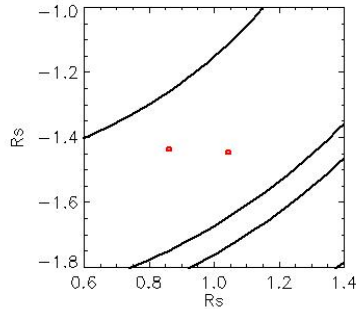
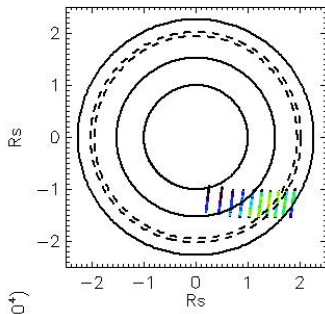
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_22_31_51

Observation Duration:
2400 S

Integration time = 300 S



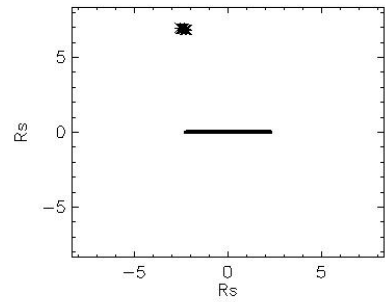
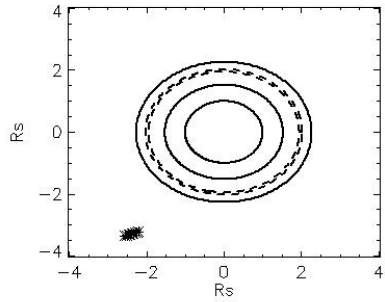
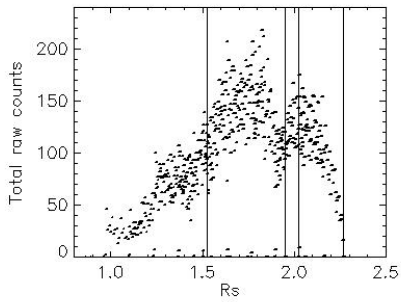
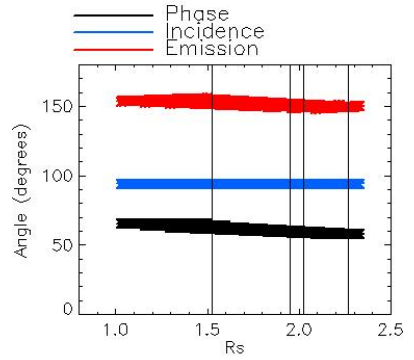
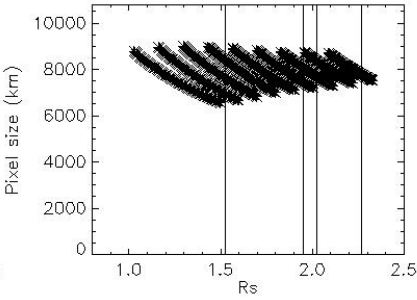
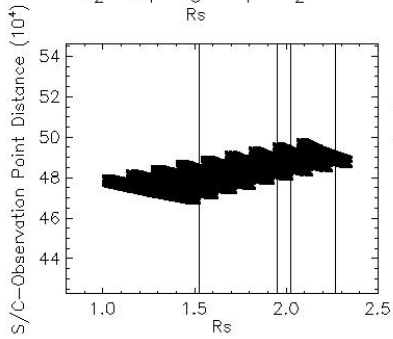


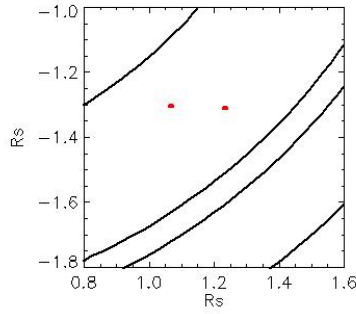
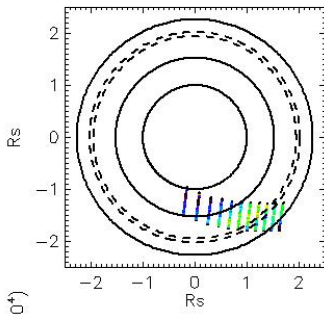
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_298_23_21_51

Observation Duration:
2700 S

Integration time = 300 S



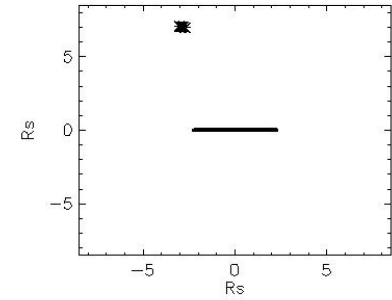
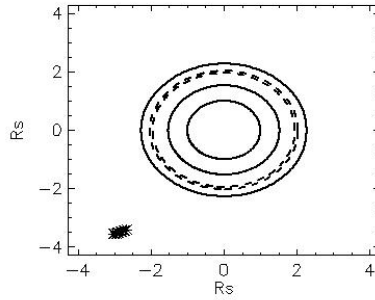
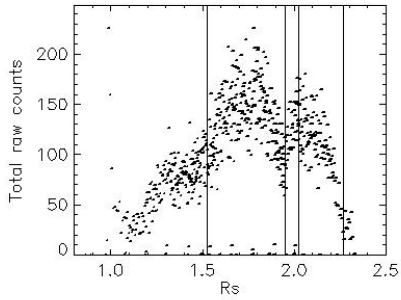
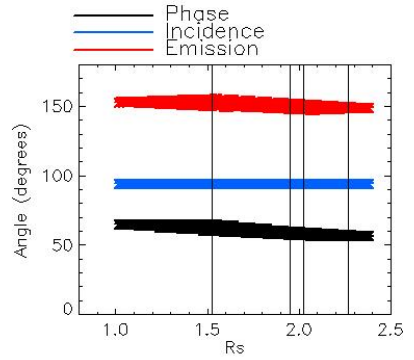
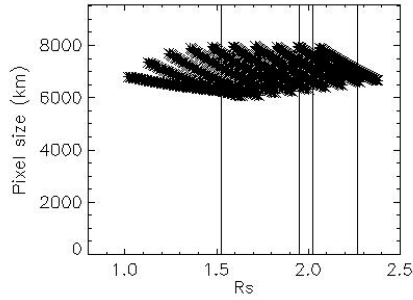
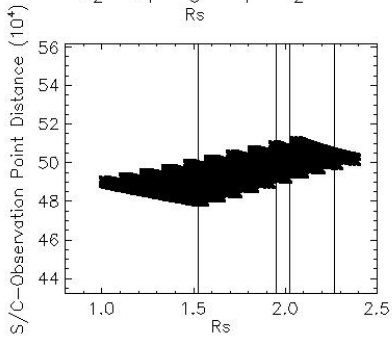


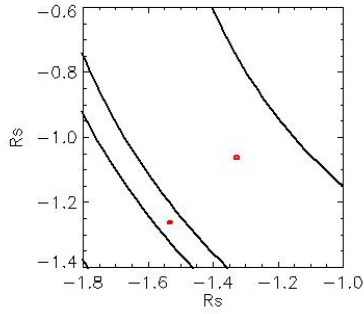
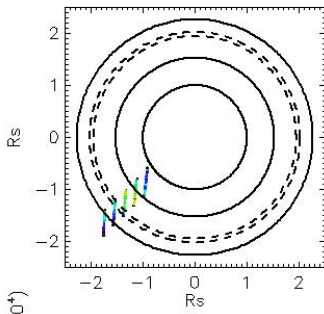
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_299_00_14_51

Observation Duration:
3000 S

Integration time = 300 S



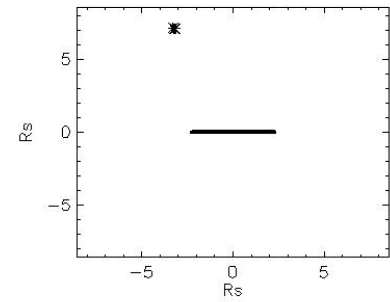
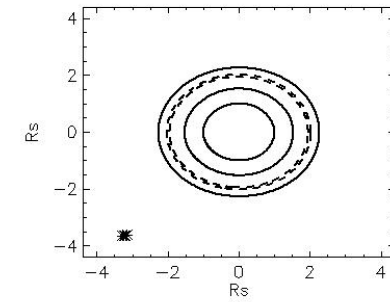
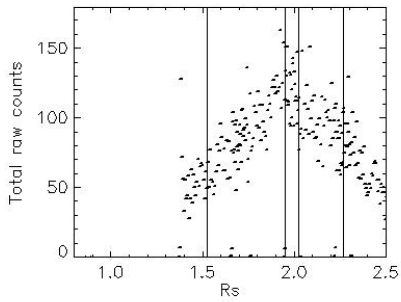
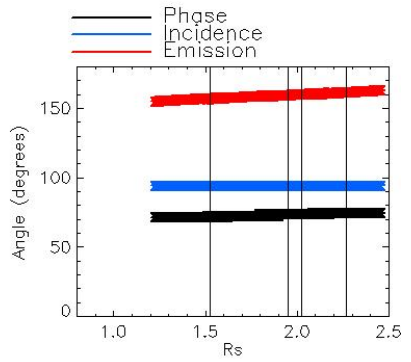
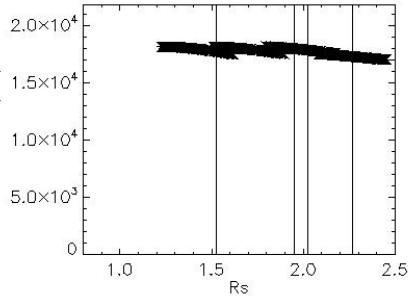
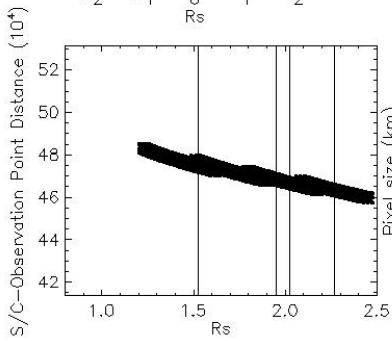


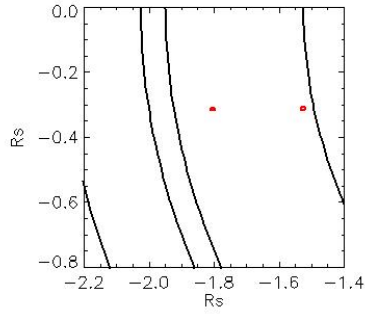
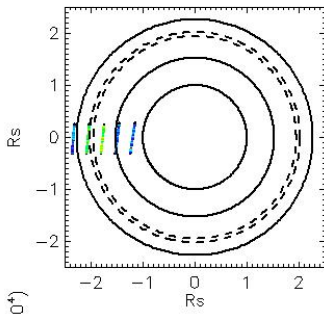
Observation Name:
UVS_090RLTMPS60MP001_CIRS

Observation Date:
2008_299_01_13_51

Observation Duration:
1200 S

Integration time = 300 S



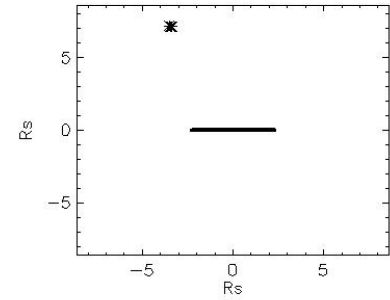
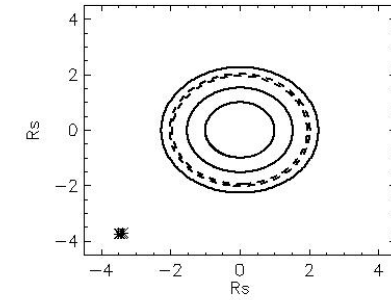
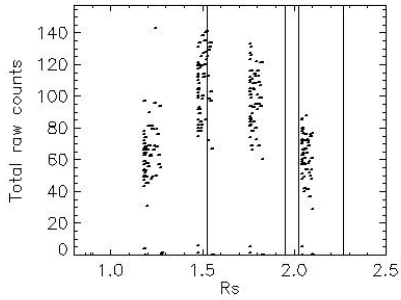
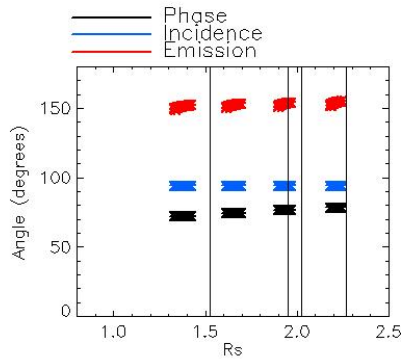
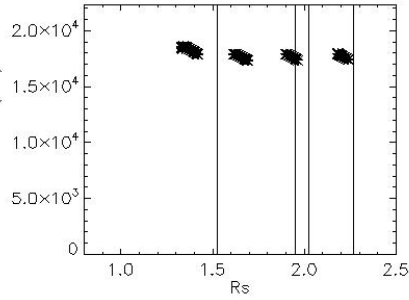
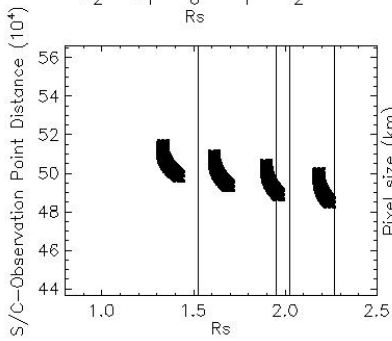


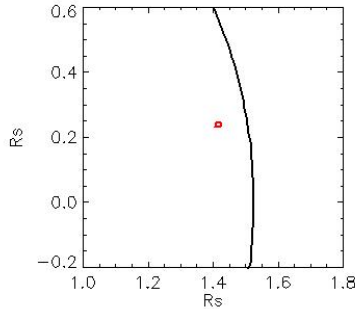
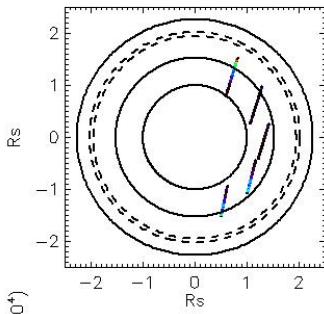
Observation Name:
UVS_090RLTMPS60MP001_CIRS

Observation Date:
2008_299_01_39_51

Observation Duration:
1200 S

Integration time = 300 S



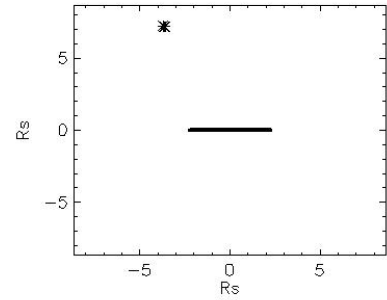
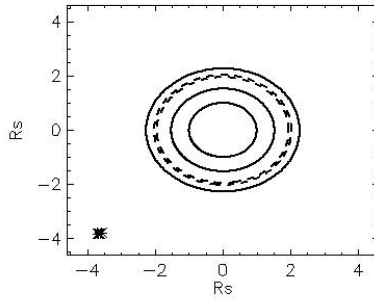
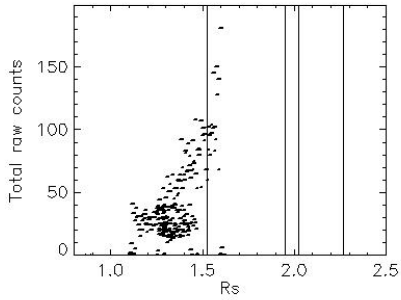
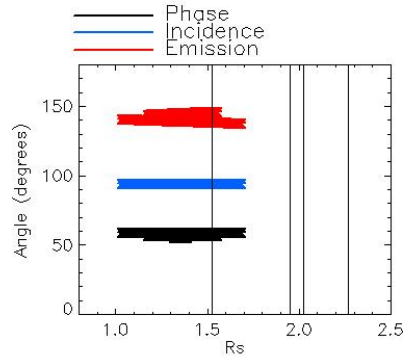
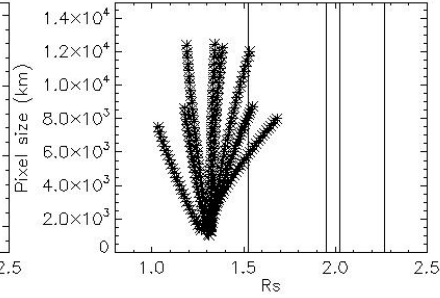
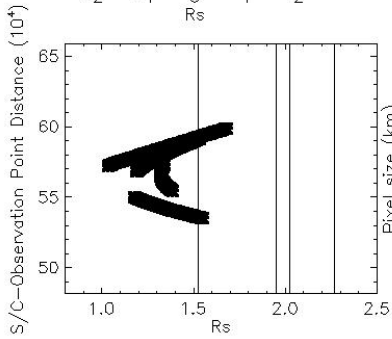


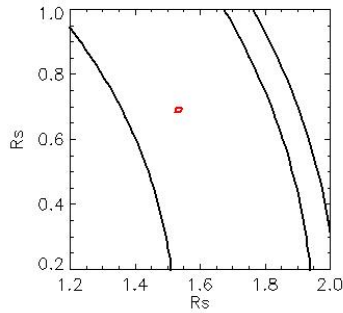
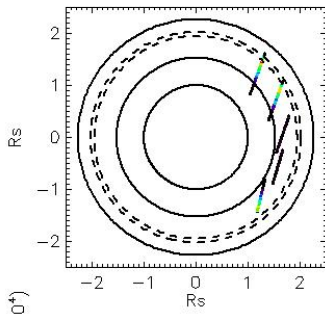
Observation Name:
UVS_090RLTMPS60MP001_CIRS

Observation Date:
2008_299_02_05_51

Observation Duration:
1200 S

Integration time = 300 S



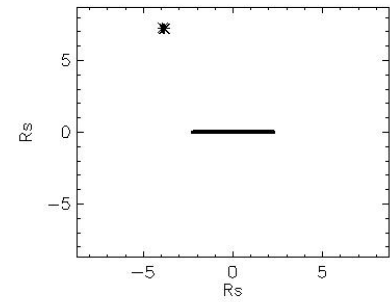
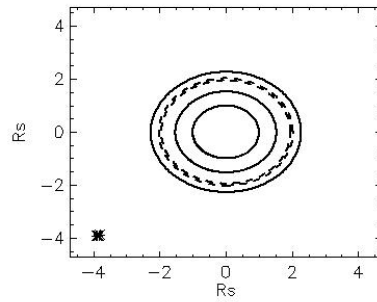
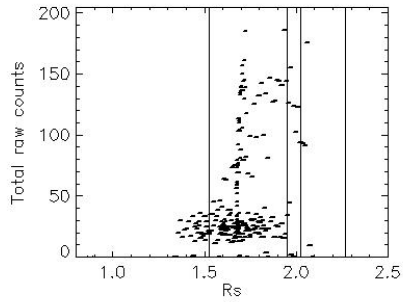
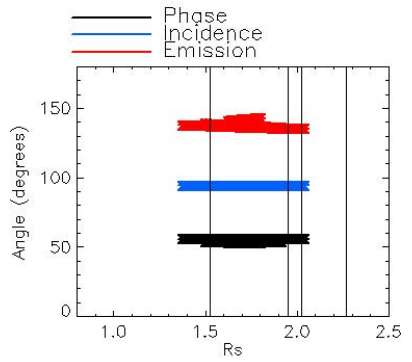
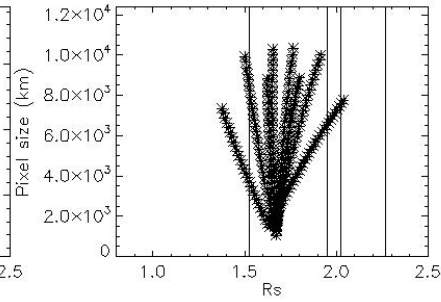
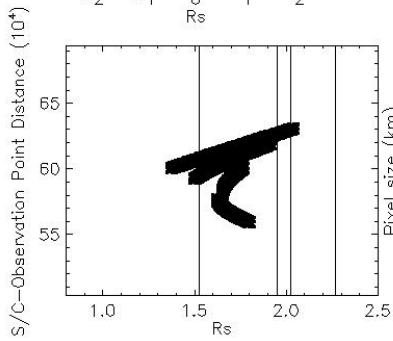


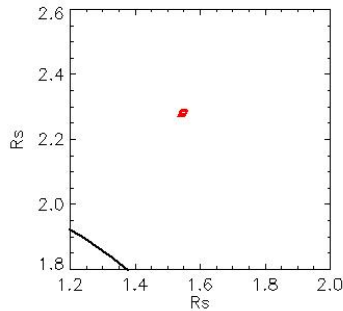
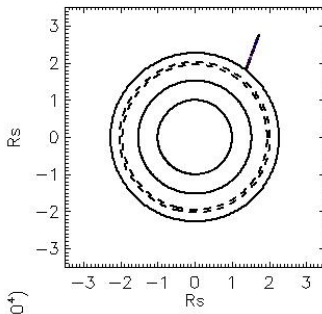
Observation Name:
UVS_090RLTMPS60MP001_CIRS

Observation Date:
2008_299_02_31_51

Observation Duration:
1200 S

Integration time = 300 S



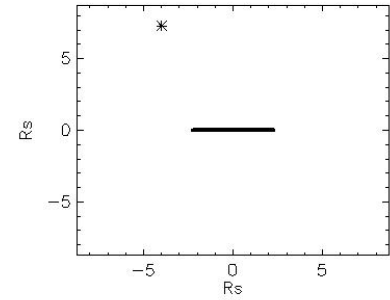
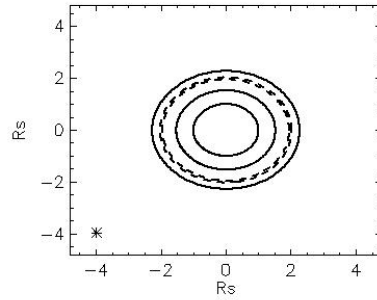
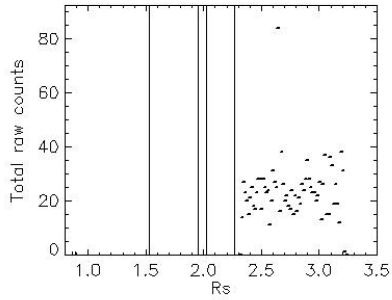
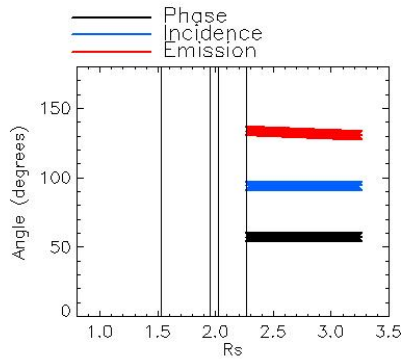
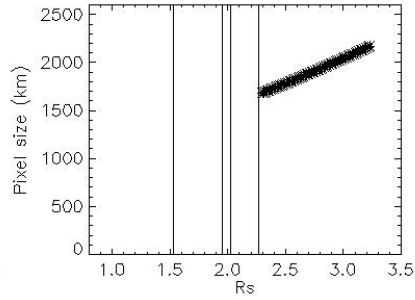
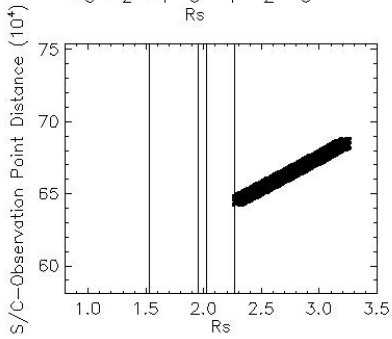


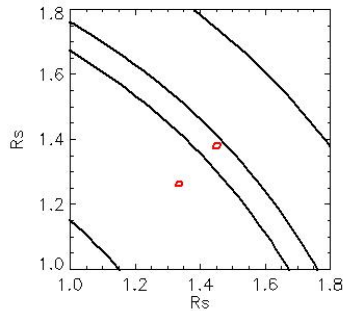
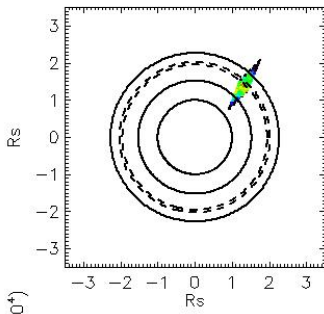
Observation Name:
UVIS_090RLTMPS60MP001_CIRS

Observation Date:
2008_299_02_56_51

Observation Duration:
300 S

Integration time = 300 S



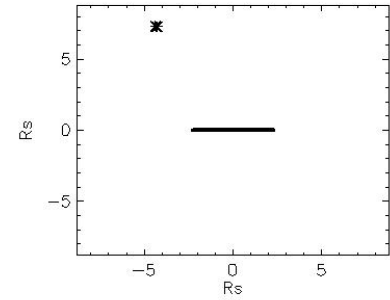
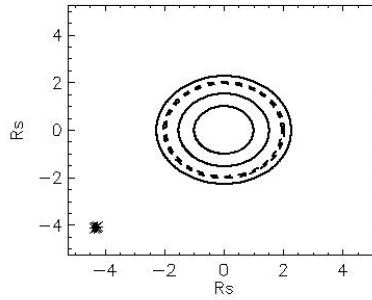
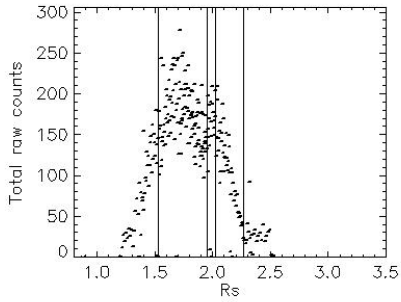
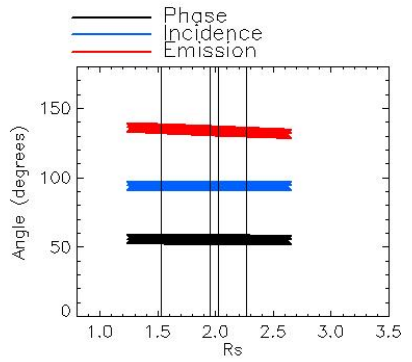
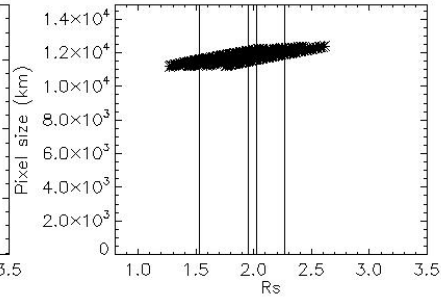
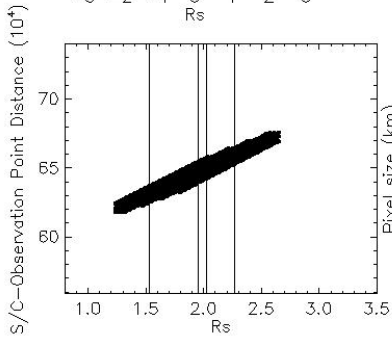


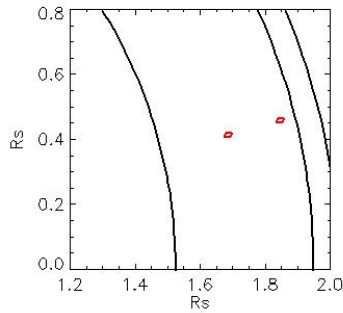
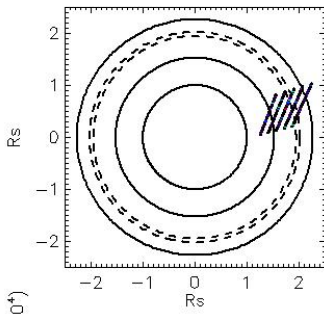
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_03_28_51

Observation Duration:
1200 S

Integration time = 300 S



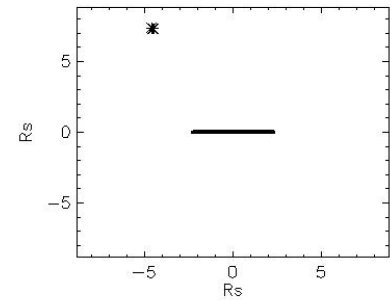
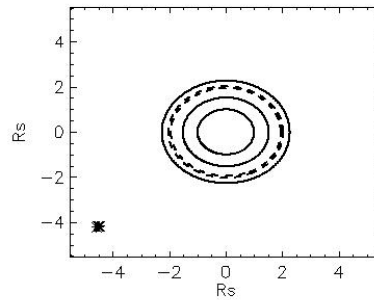
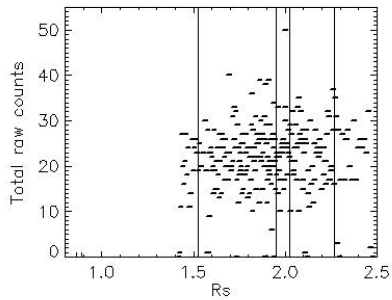
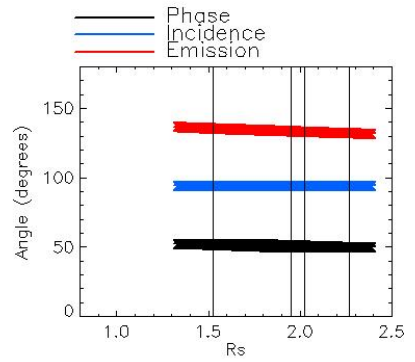
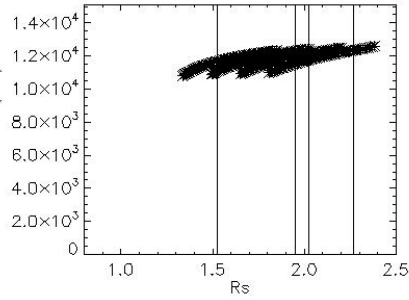
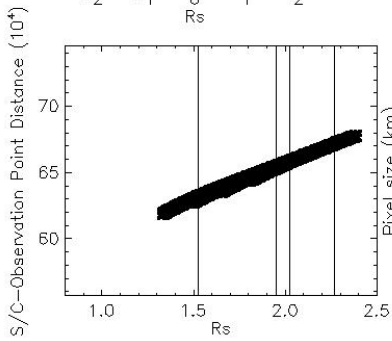


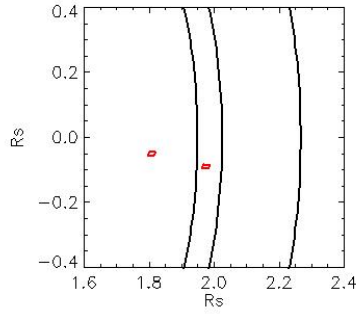
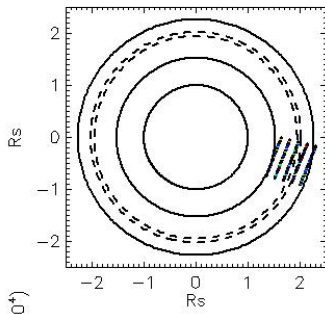
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_03_58_51

Observation Duration:
1200 S

Integration time = 300 S



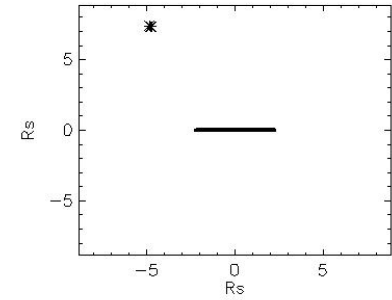
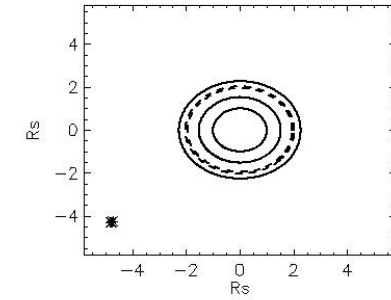
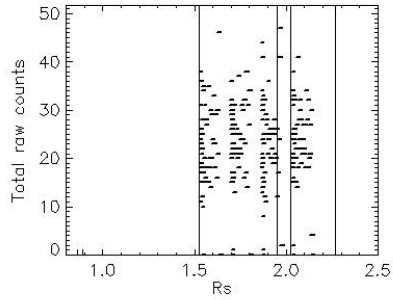
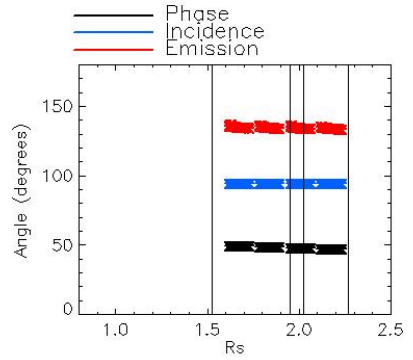
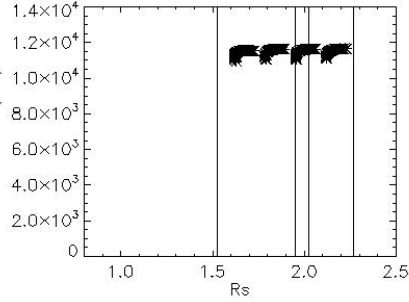
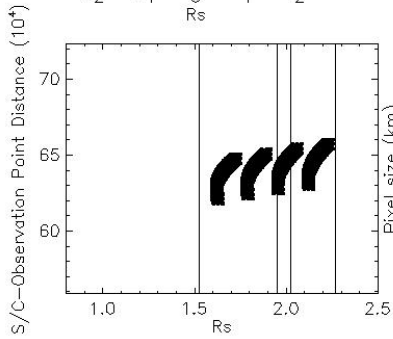


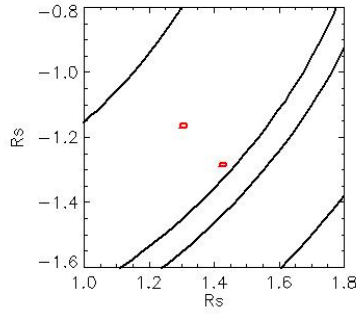
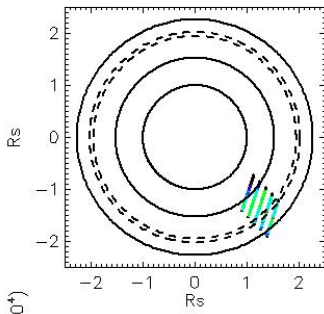
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_04_28_51

Observation Duration:
1200 S

Integration time = 300 S



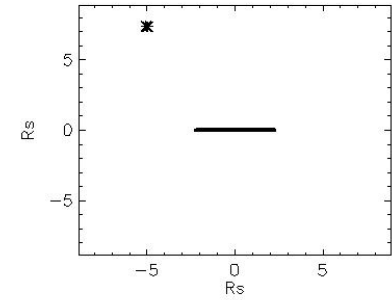
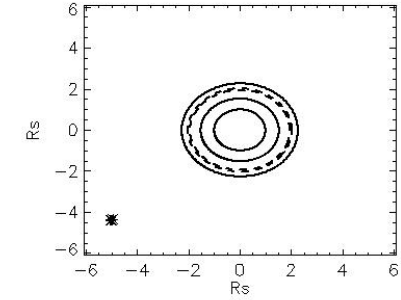
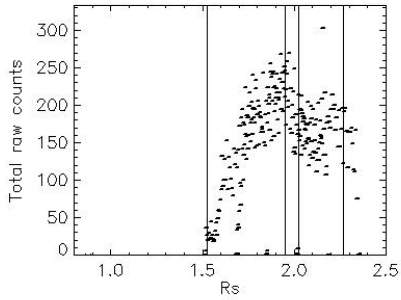
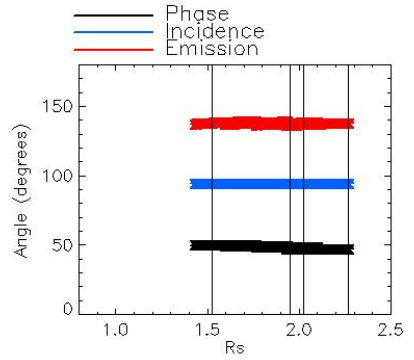
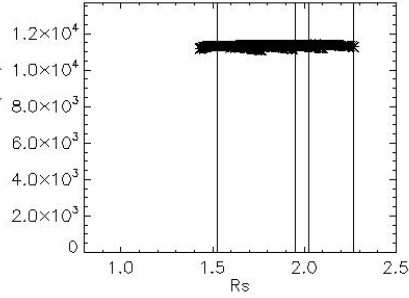
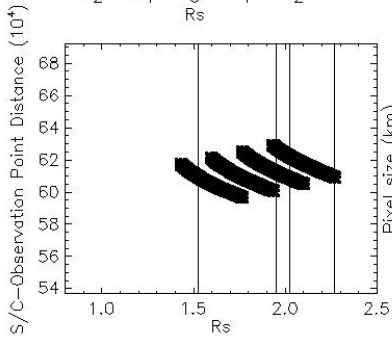


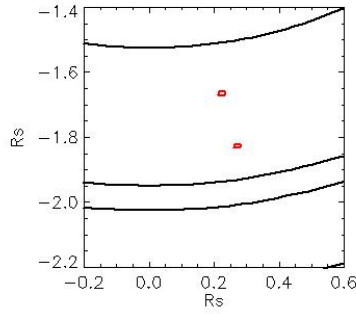
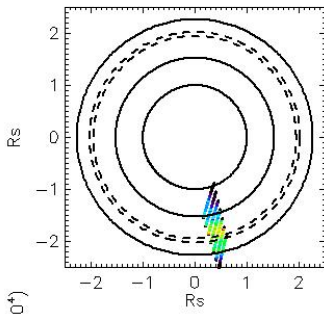
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_04_58_51

Observation Duration:
1200 S

Integration time = 300 S



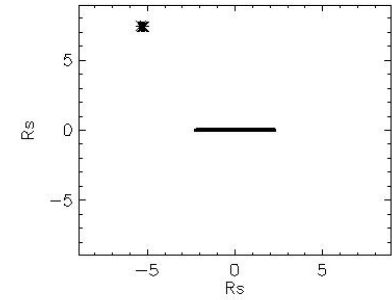
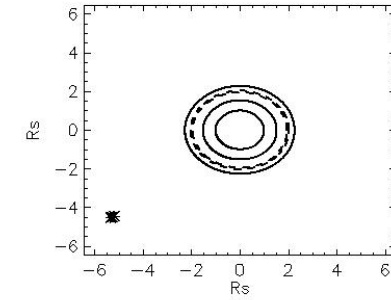
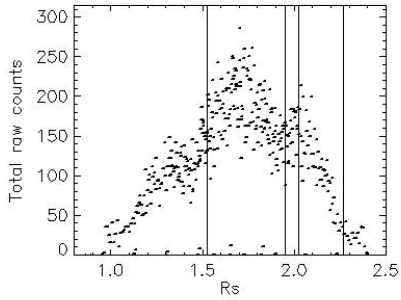
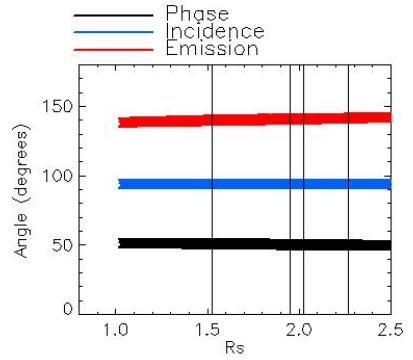
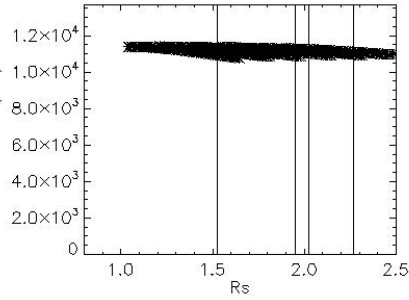
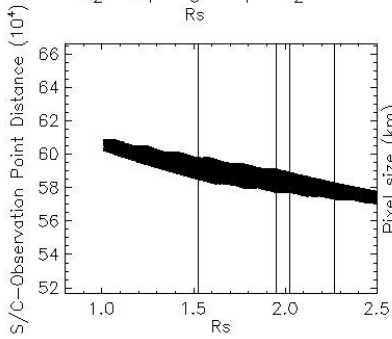


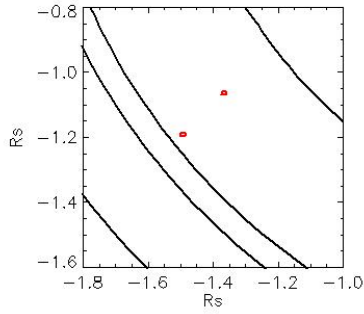
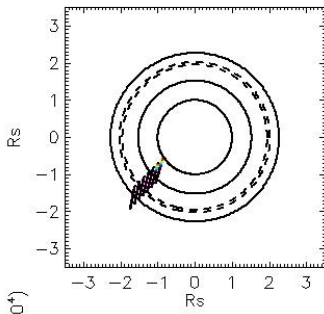
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_05_28_51

Observation Duration:
1800 S

Integration time = 300 S



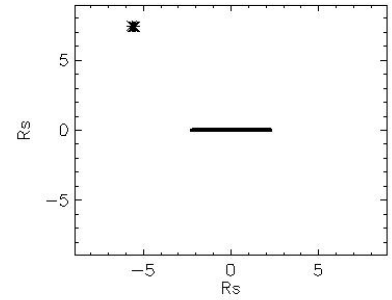
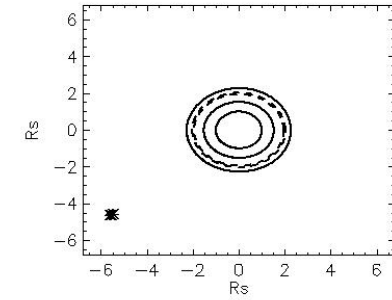
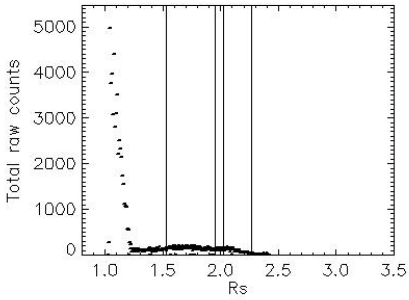
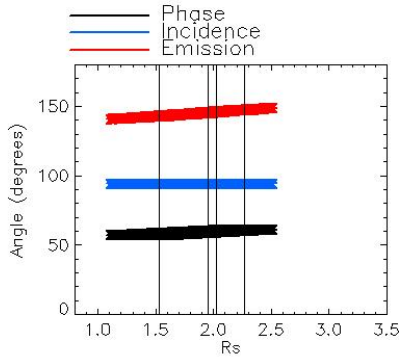
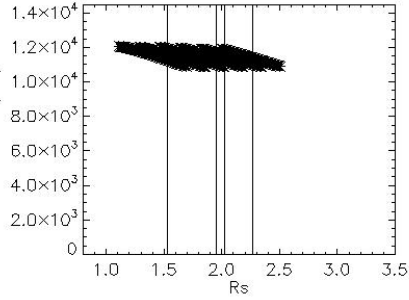
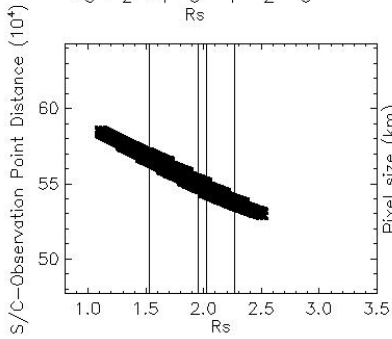


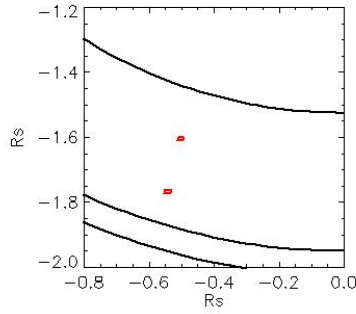
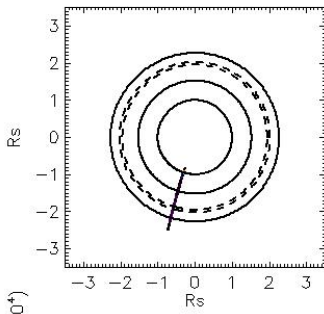
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_06_07_51

Observation Duration:
1800 S

Integration time = 300 S



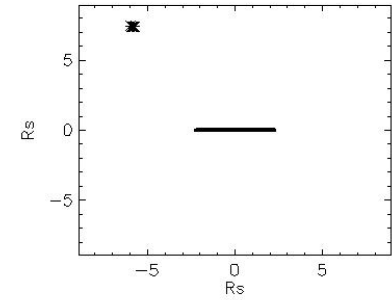
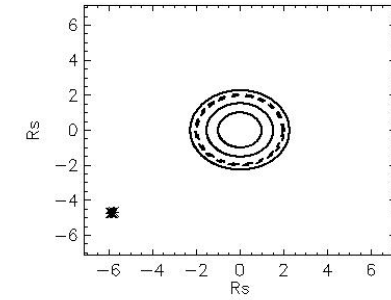
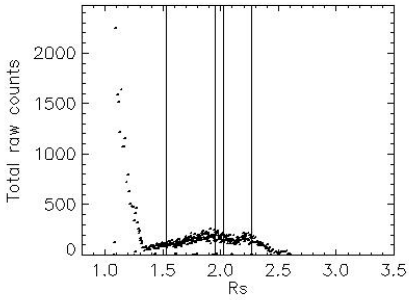
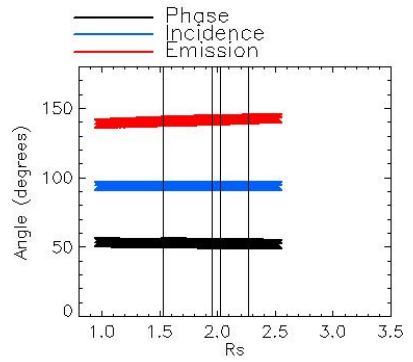
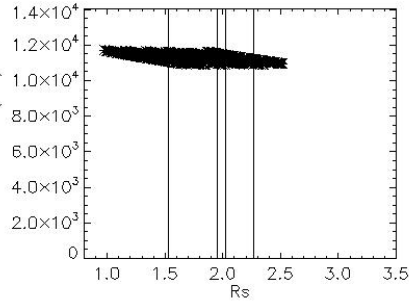
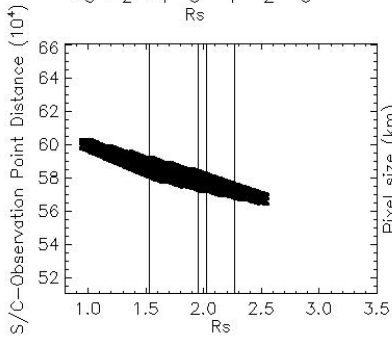


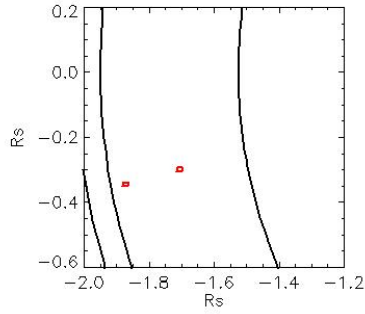
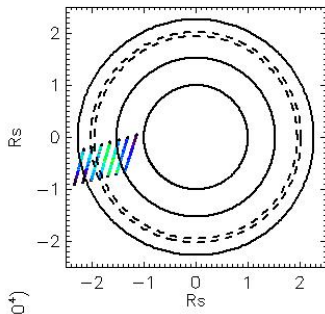
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_06_46_51

Observation Duration:
1800 S

Integration time = 300 S



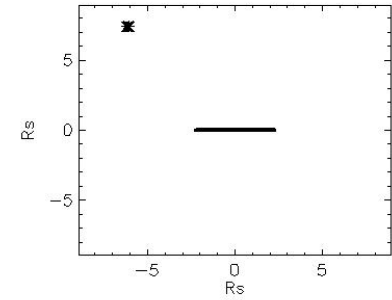
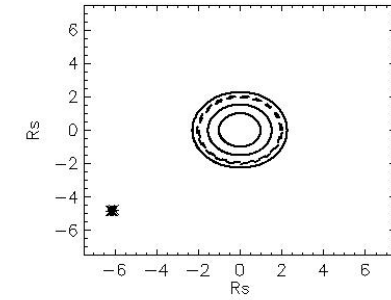
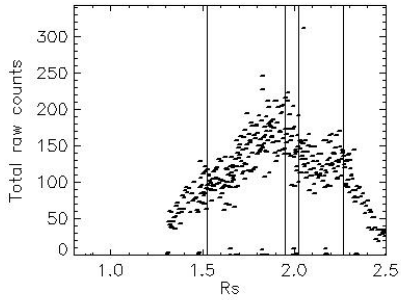
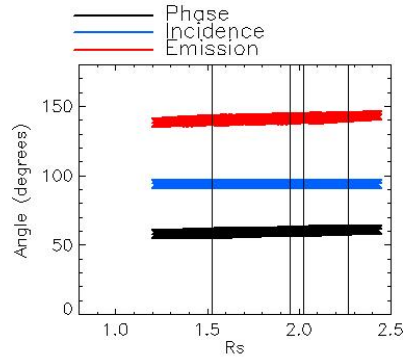
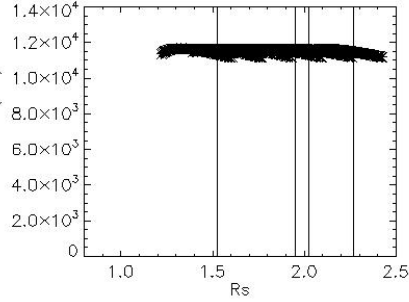
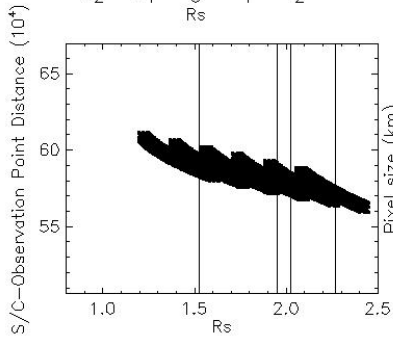


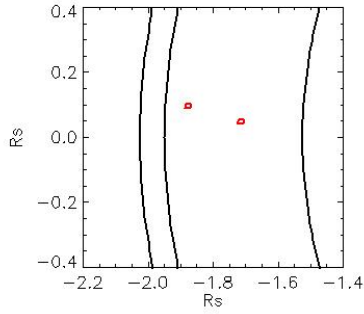
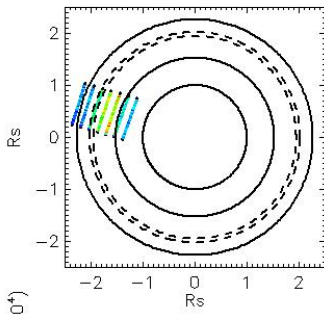
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_07_25_51

Observation Duration:
1800 S

Integration time = 300 S



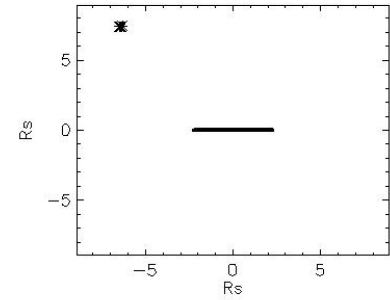
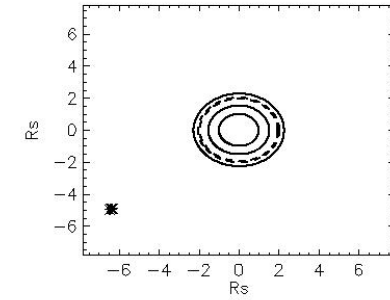
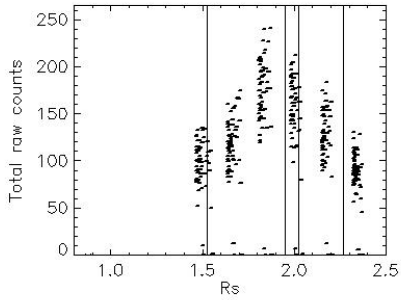
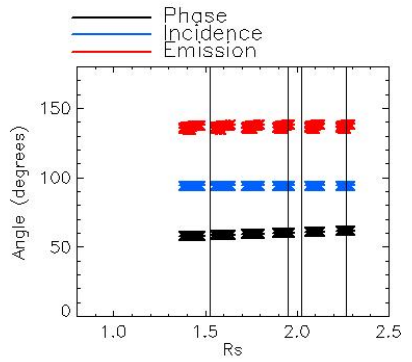
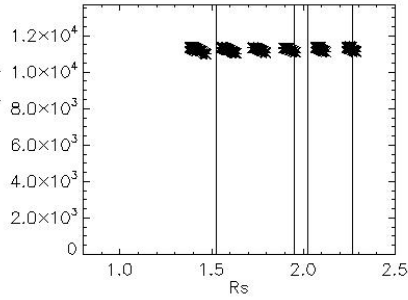
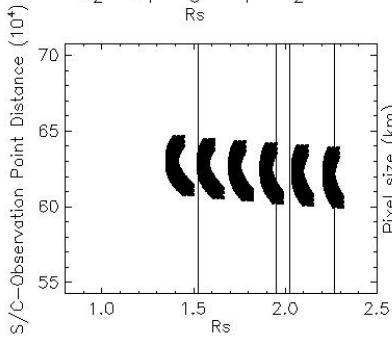


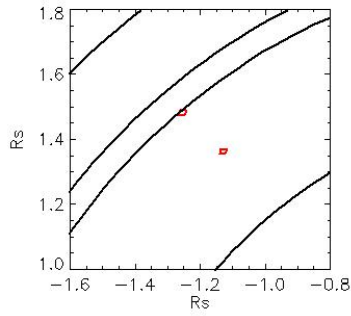
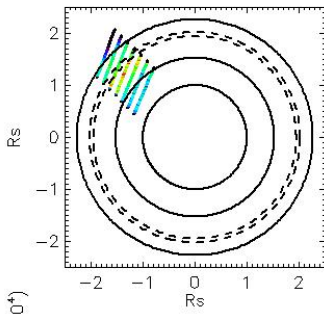
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_08_04_51

Observation Duration:
1800 S

Integration time = 300 S



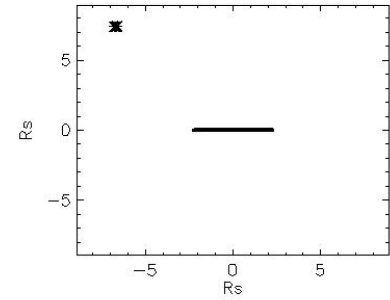
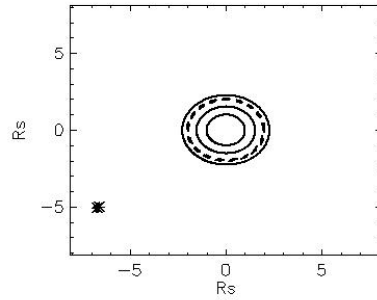
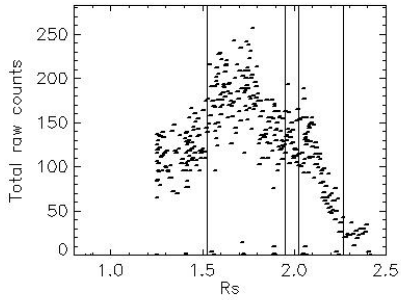
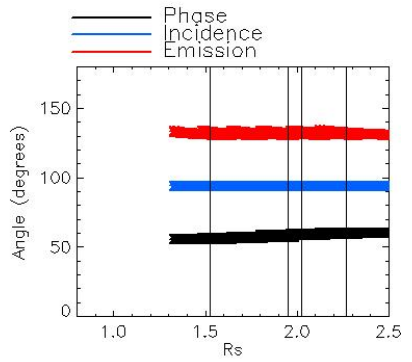
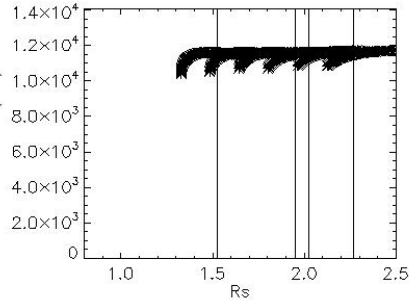
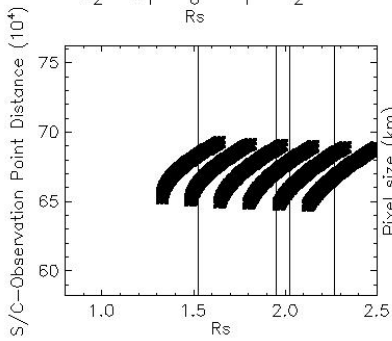


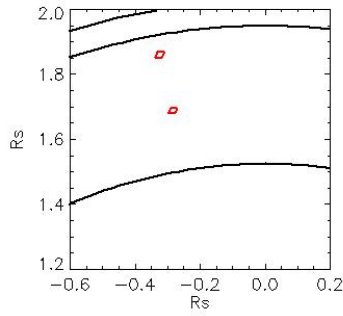
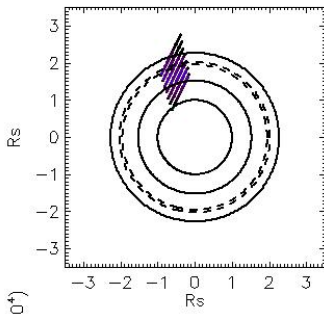
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_08_43_51

Observation Duration:
1800 S

Integration time = 300 S



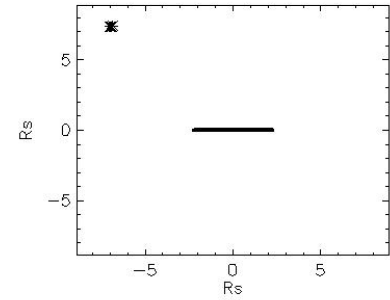
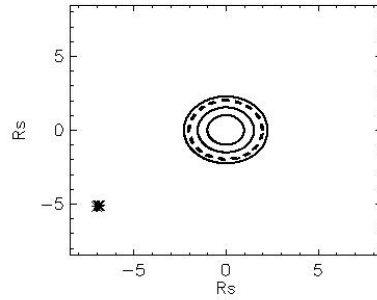
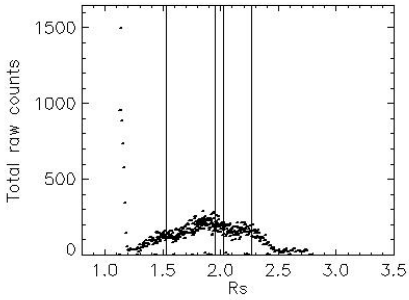
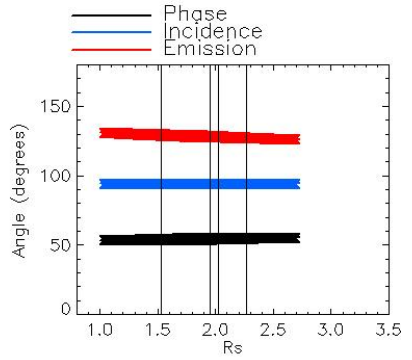
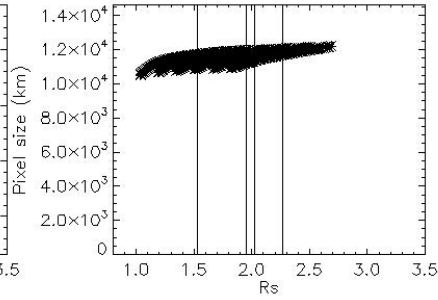
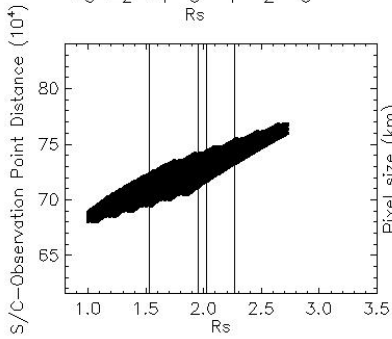


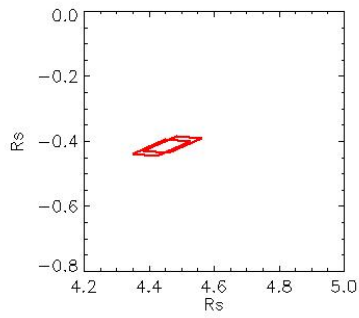
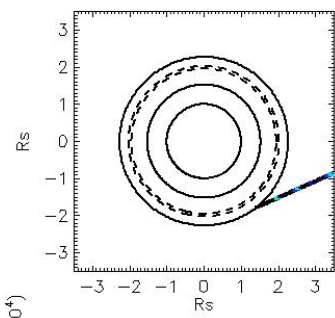
Observation Name:
UVIS_090RLTMAPS45LP001_CIRS

Observation Date:
2008_299_09_22_51

Observation Duration:
1800 S

Integration time = 300 S



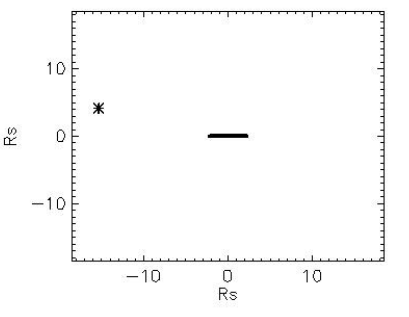
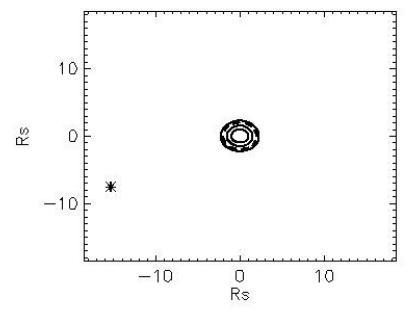
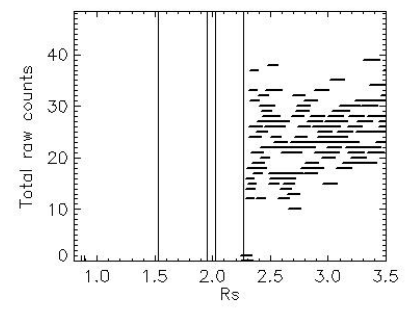
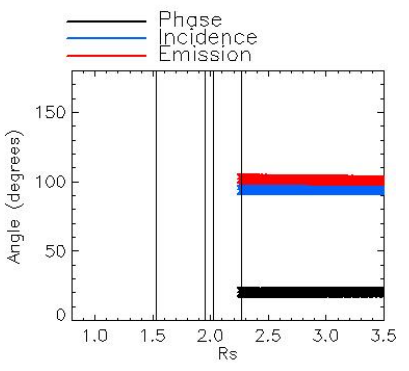
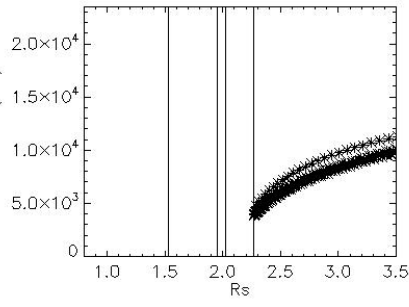
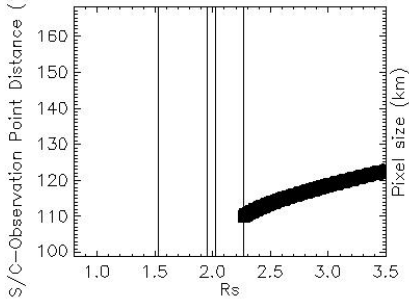


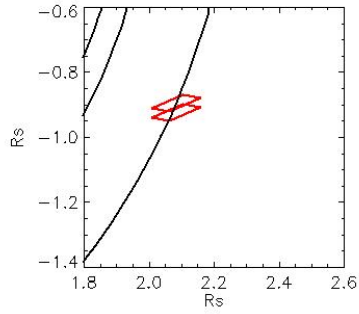
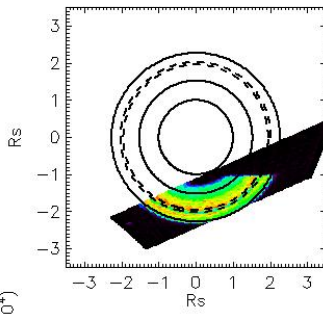
Observation Name:
UVS_090RLSUBMS10LP001_CIRS

Observation Date:
2008_300_13_54_51

Observation Duration:
2100 S

Integration time = 300 S





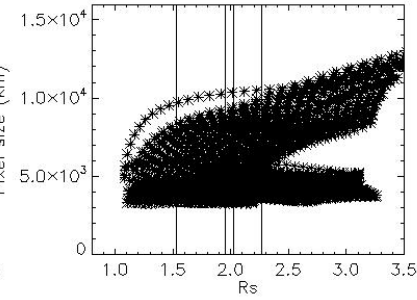
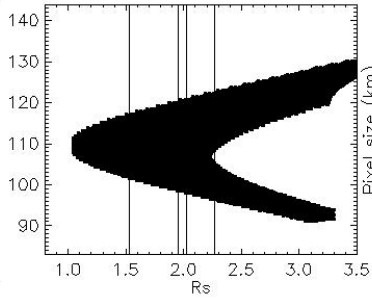
Observation Name:
UVS_090RLSUBMS10LP001_CIRS

Observation Date:
2008_300_14_34_51

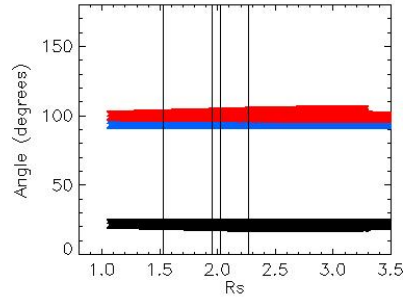
Observation Duration:
13200 S

Integration time = 300 S

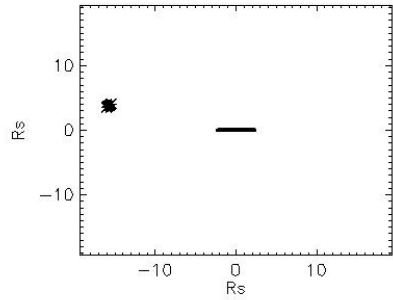
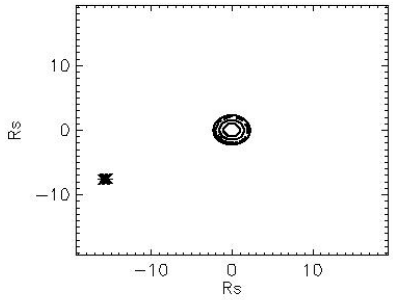
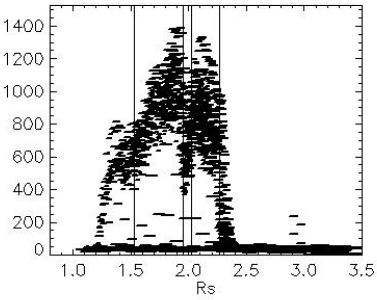
S/C—Observation Point Distance (10^4)

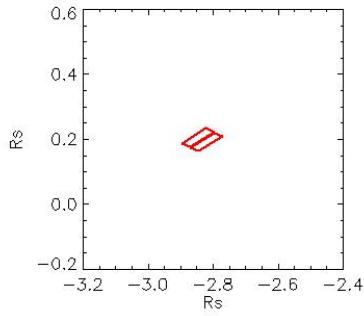
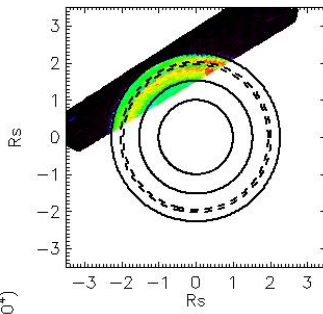


— Phase
— Incidence
— Emission



Total raw counts





Observation Name:
UMS_090RLSUBMS10LP001_CIRS

Observation Date:
2008_300_18_20_51

Observation Duration:
13200 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)

