

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.

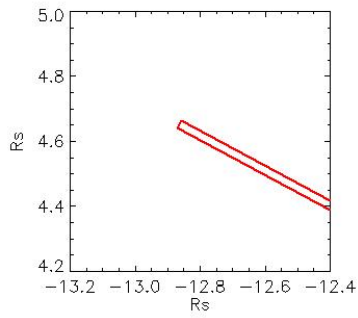
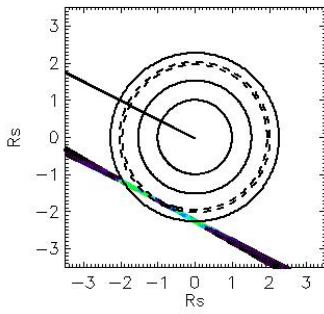
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.



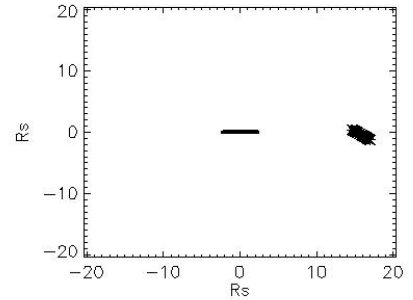
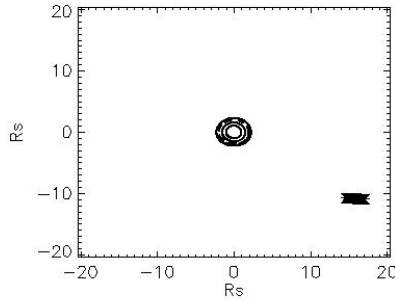
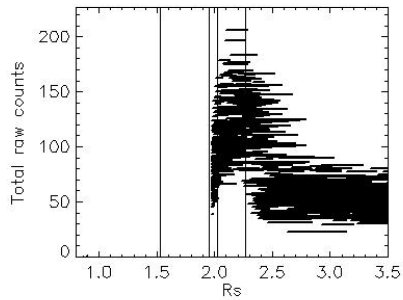
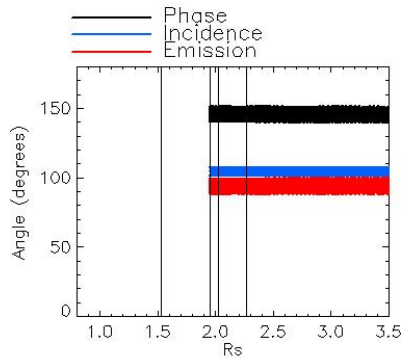
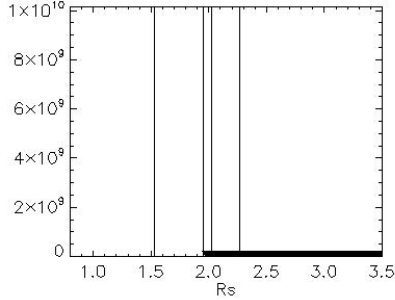
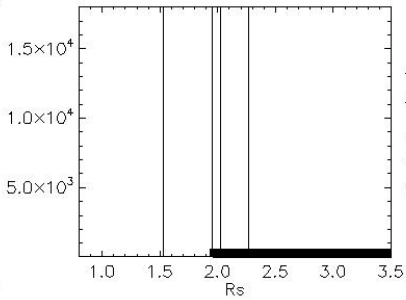
Observation Name:
UMS_033RLHPMRLFM0V001_ISS

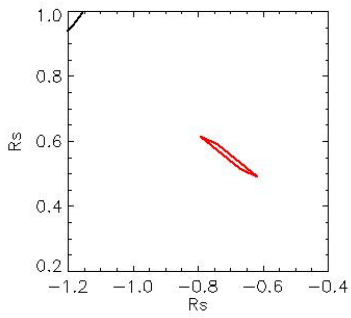
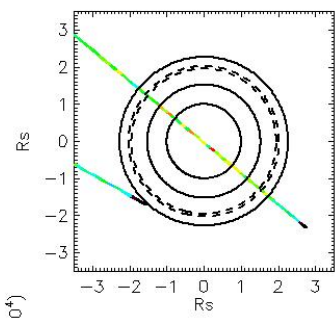
Observation Date:
2006_322_17_35_05

Observation Duration:
34200 S

Integration time = 600 S

y / Observation Point Distance (10³)



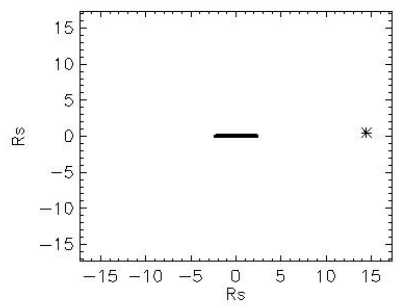
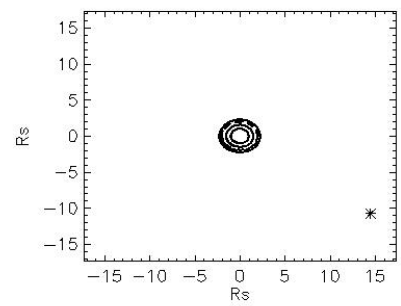
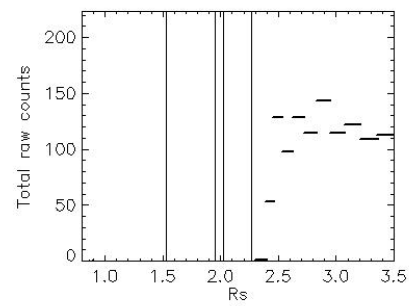
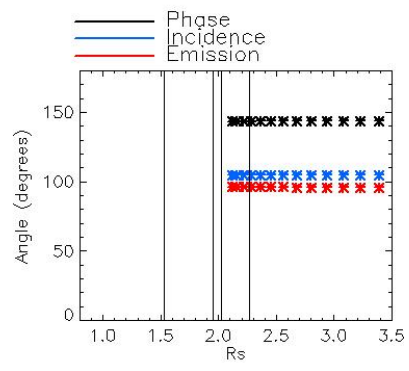
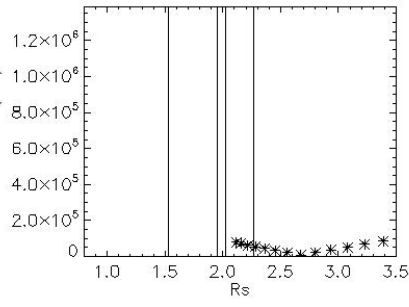
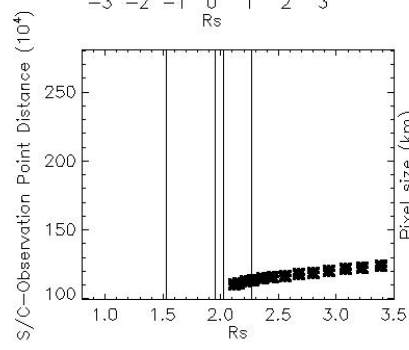


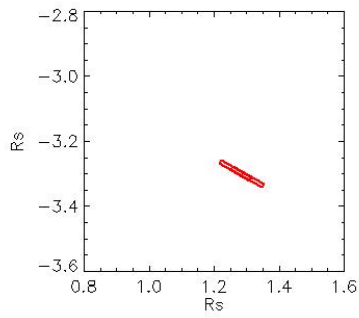
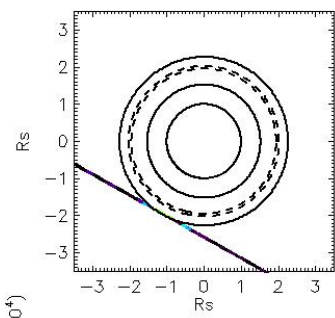
Observation Name:
UVS_033RLSUBML0HP001_CIRS

Observation Date:
2006_323_03_25_25

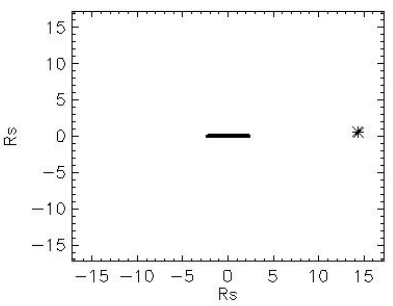
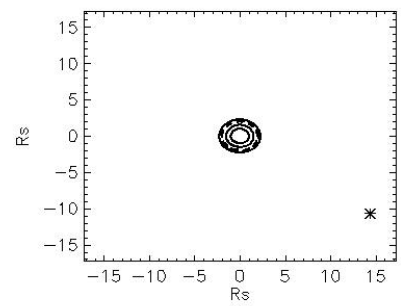
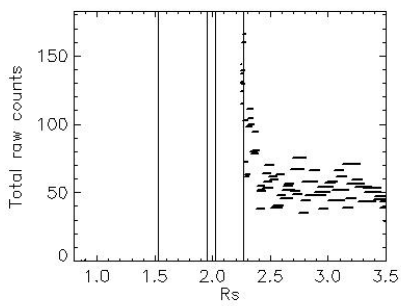
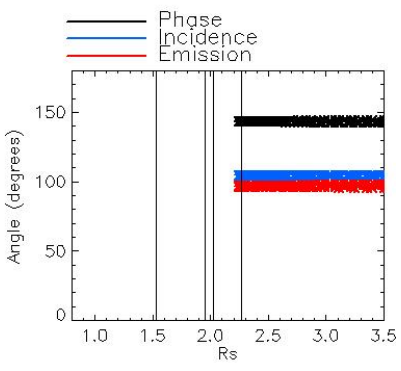
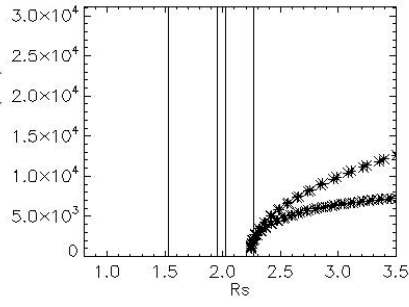
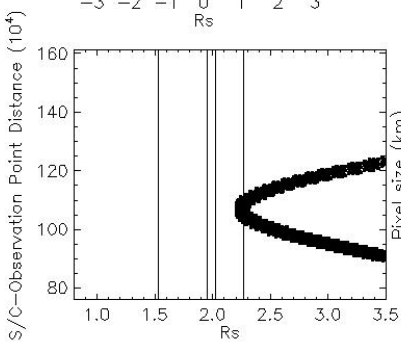
Observation Duration:
600 S

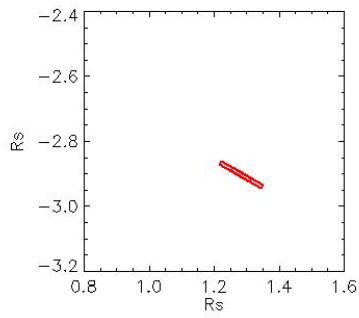
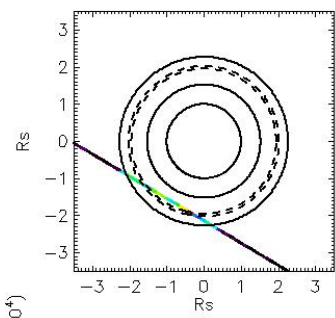
Integration time = 600 S





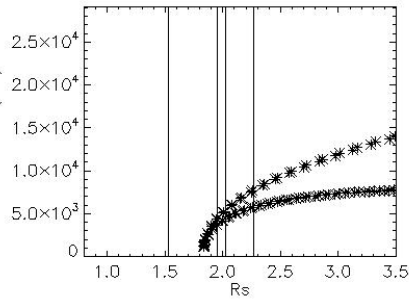
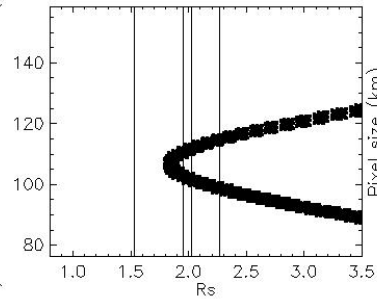
Observation Name:
 UVS_033RLSUBMLOHP001_CIRS
 Observation Date:
 2006_323_03_43_05
 Observation Duration:
 1200 S
 Integration time = 600 S



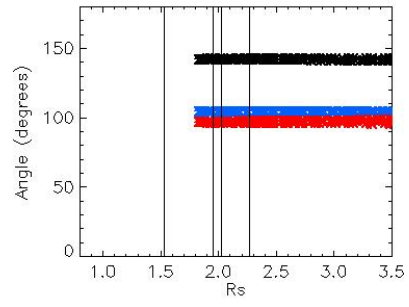


Observation Name:
 UVS_033RLSUBMLOHP001_CIRS
 Observation Date:
 2006_323_04_05_05
 Observation Duration:
 1200 S
 Integration time = 600 S

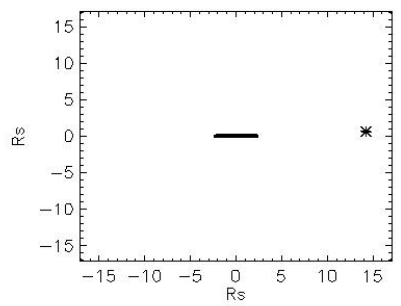
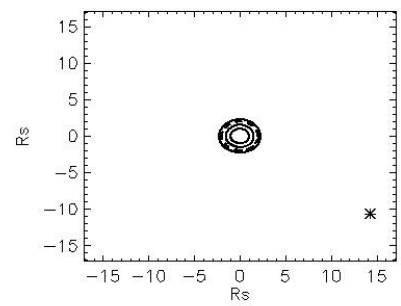
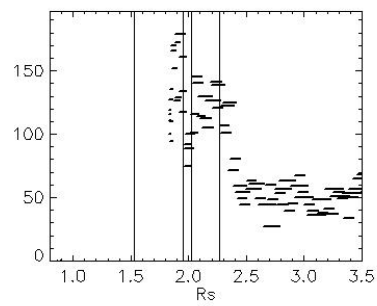
S/C—Observation Point Distance (10^4)

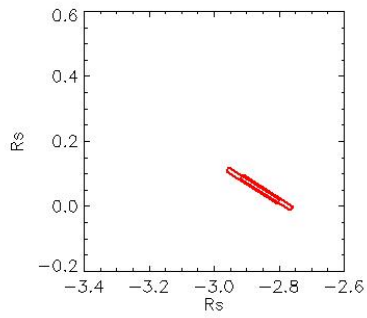
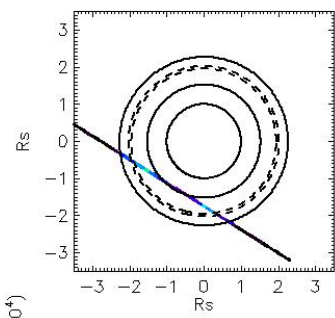


— Phase
 — Incidence
 — Emission



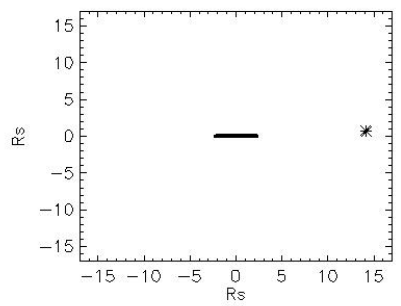
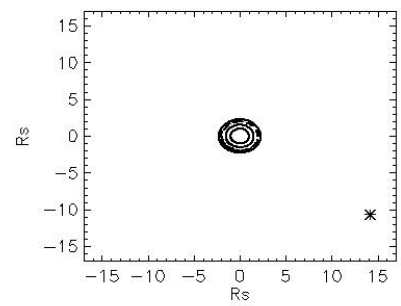
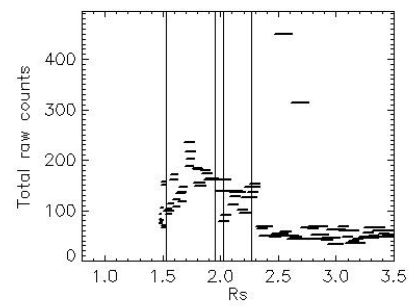
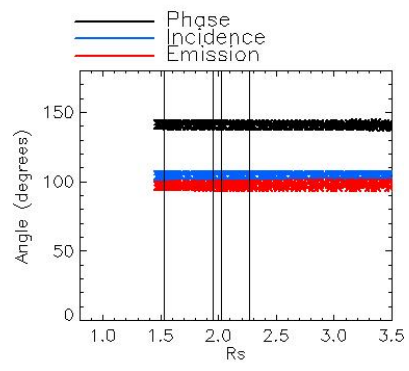
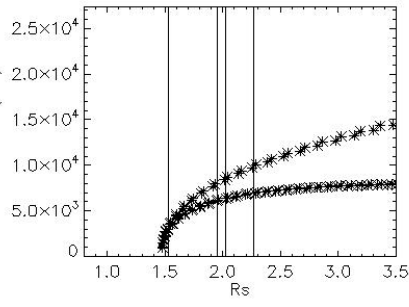
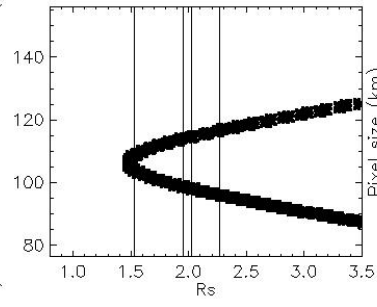
Total raw counts

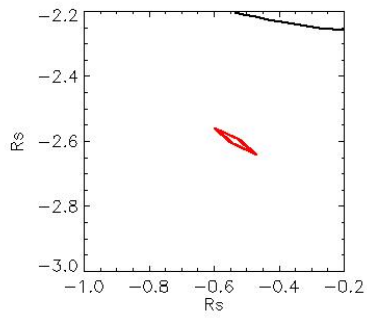
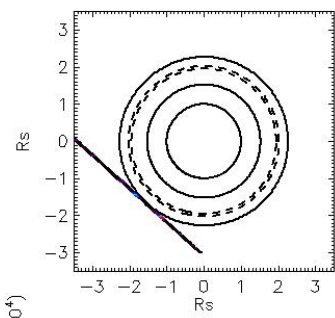




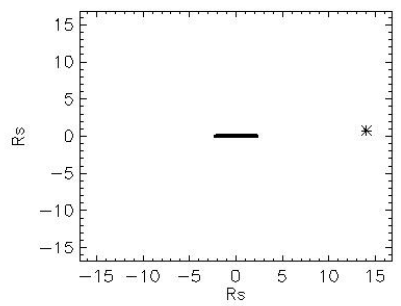
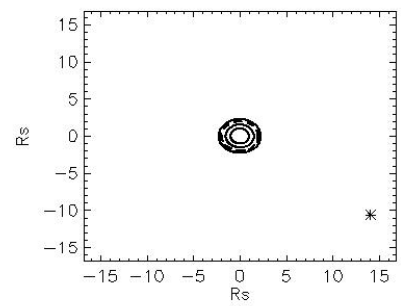
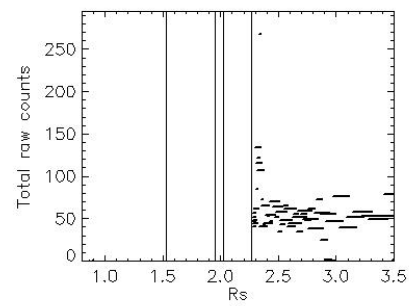
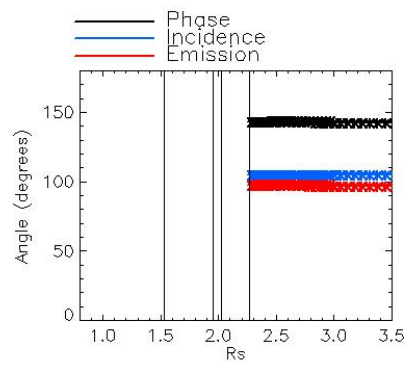
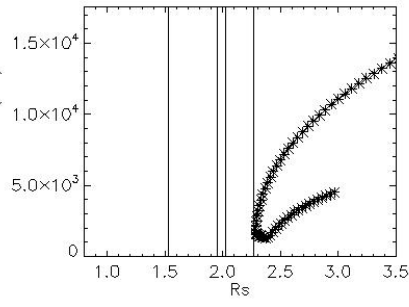
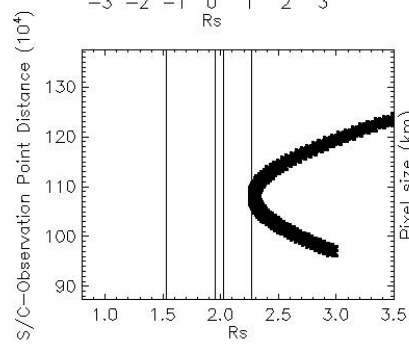
Observation Name:
 UVS_033RLSUBMLOHP001_CIRS
 Observation Date:
 2006_323_04_27_05
 Observation Duration:
 1200 S
 Integration time = 600 S

S/C—Observation Point Distance (10^4)

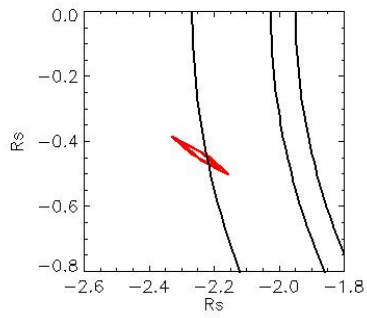
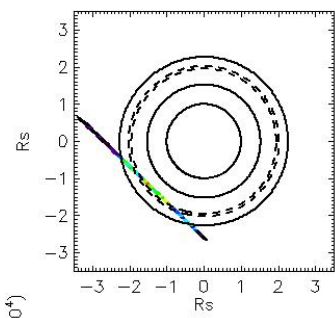




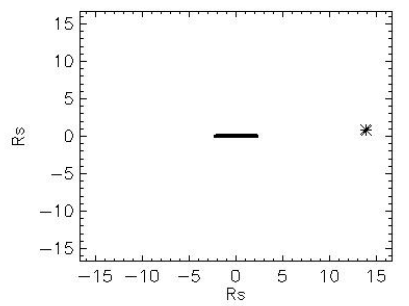
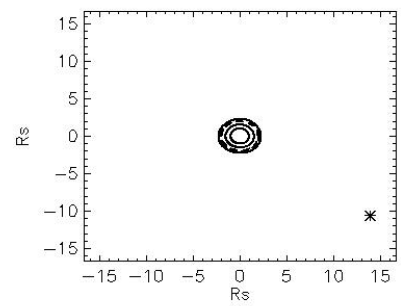
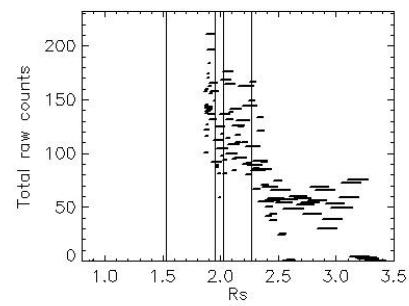
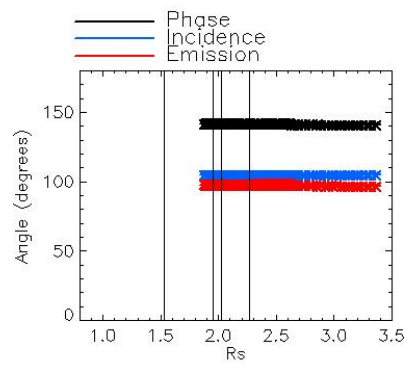
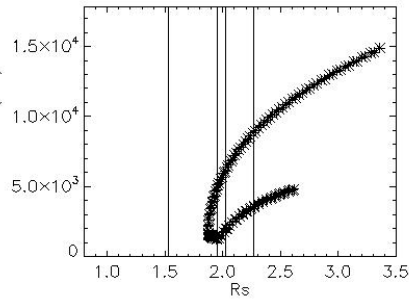
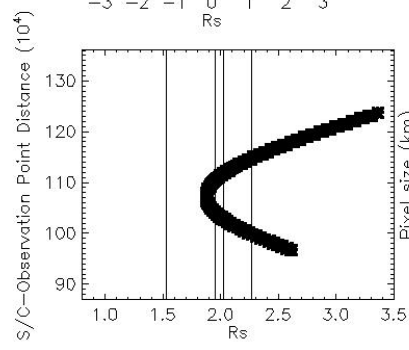
Observation Name:
 UVS_033RLSUBMLOHP001_CIRS
 Observation Date:
 2006_323_04_58_05
 Observation Duration:
 600 S
 Integration time = 600 S



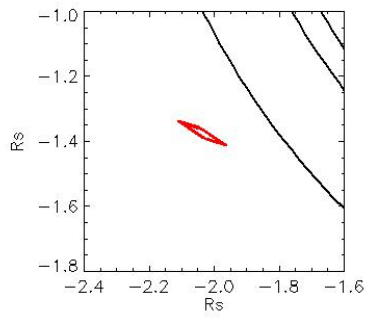
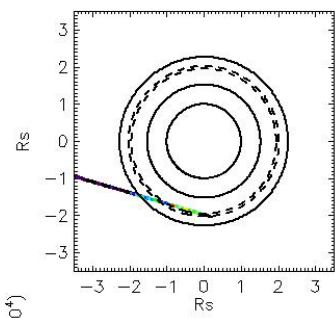
— Phase
 — Incidence
 — Emission



Observation Name:
 UVS_033RLSUBMLOHP001_CIRS
 Observation Date:
 2006_323_05_19_05
 Observation Duration:
 1200 S
 Integration time = 600 S



— Phase
 — Incidence
 — Emission

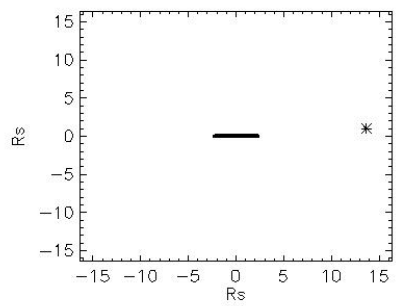
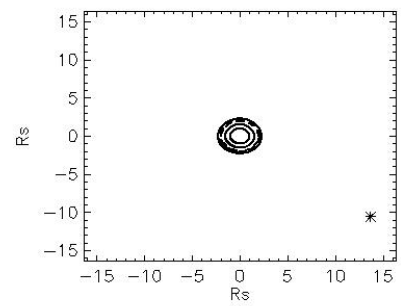
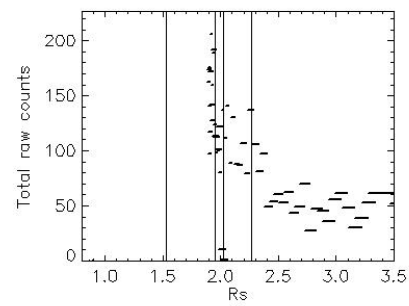
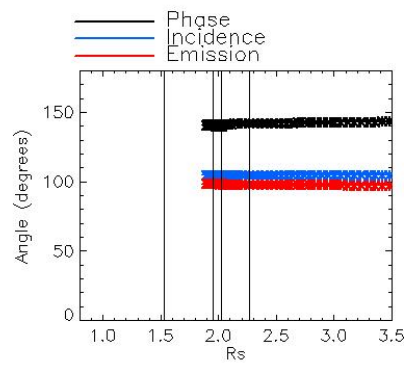
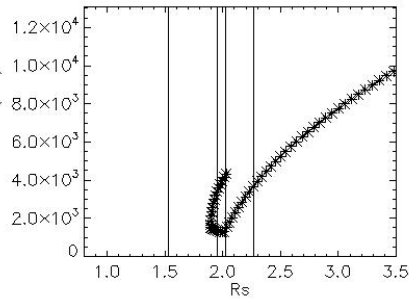
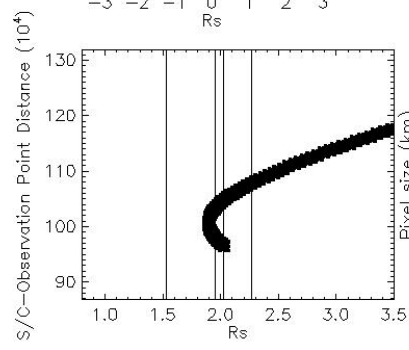


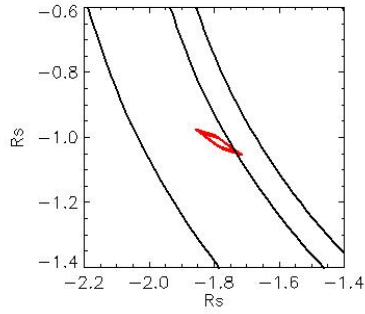
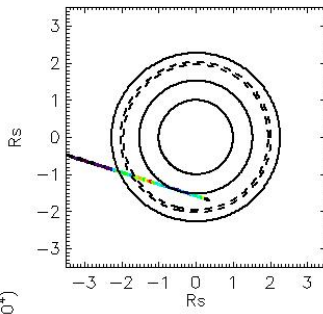
Observation Name:
UMS_033RLSUBMLOHP001_CIRS

Observation Date:
2006_323_06_12_05

Observation Duration:
600 S

Integration time = 600 S



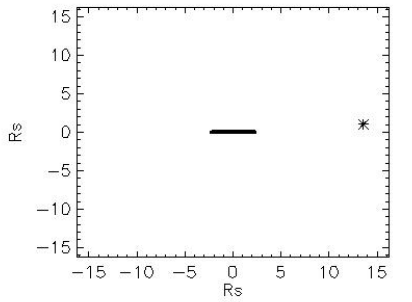
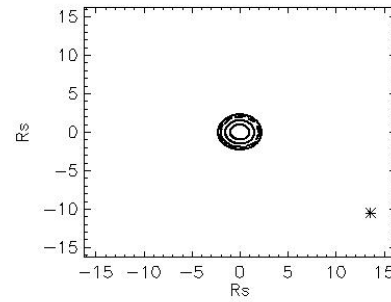
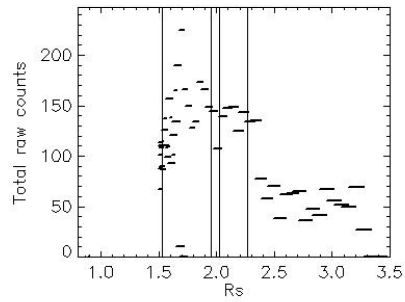
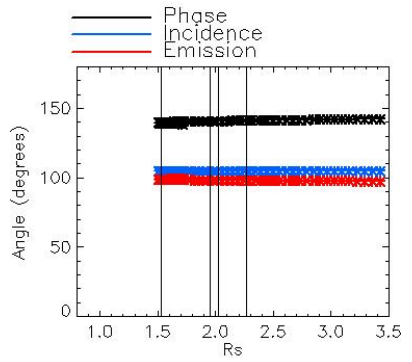
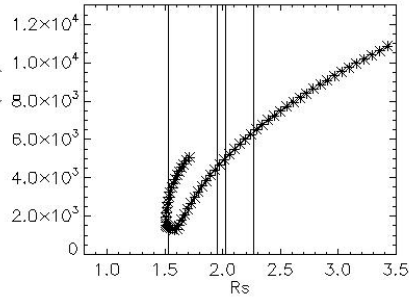
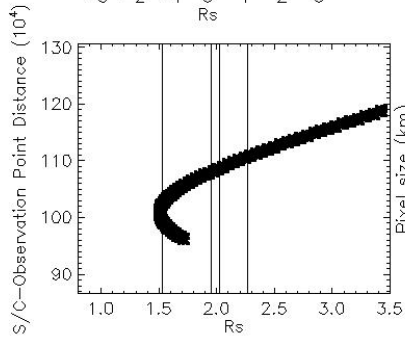


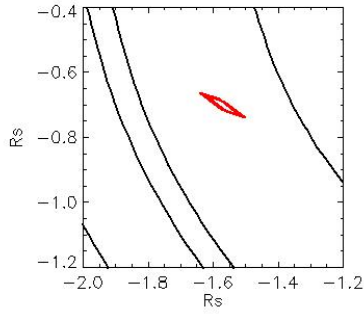
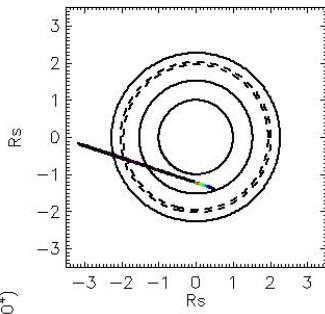
Observation Name:
UVS_033RLSUBMLOHP001_CIRS

Observation Date:
2006_323_06_32_05

Observation Duration:
600 S

Integration time = 600 S



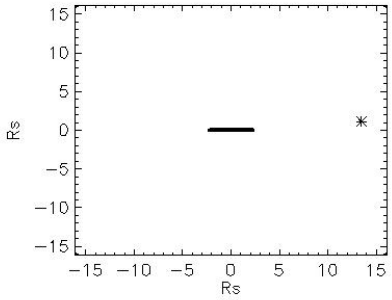
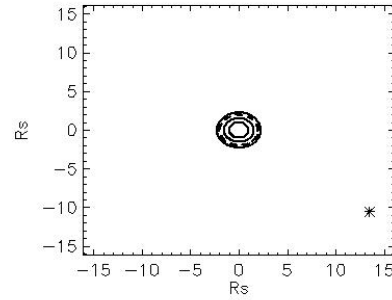
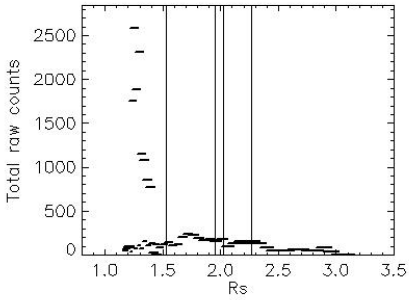
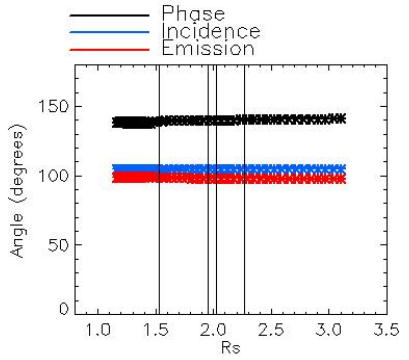
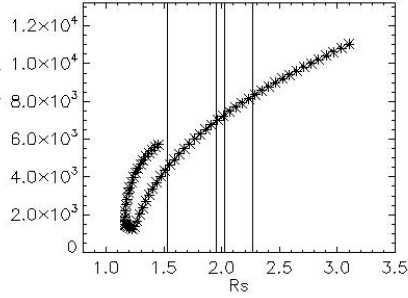
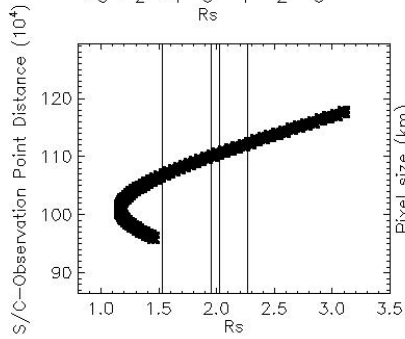


Observation Name:
UMS_033RLSUBMLOHP001_CIRS

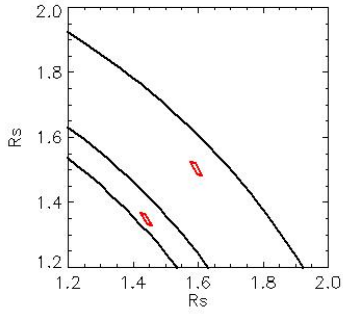
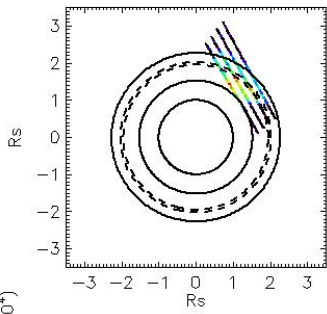
Observation Date:
2006_323_06_52_05

Observation Duration:
600 S

Integration time = 600 S



— Phase
— Incidence
— Emission

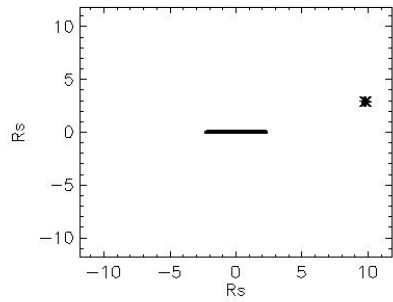
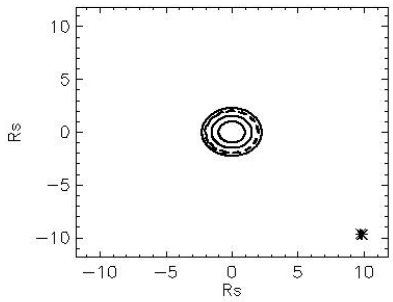
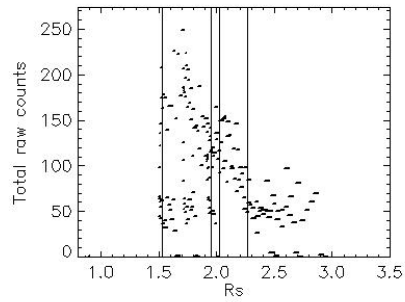
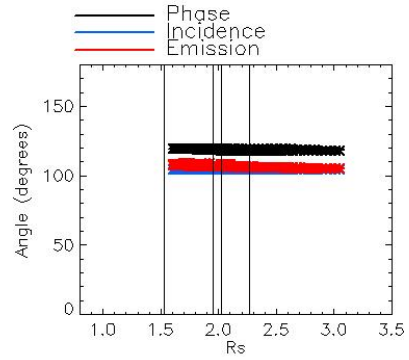
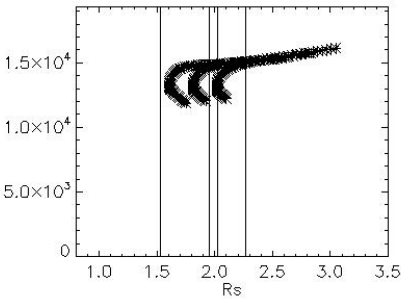
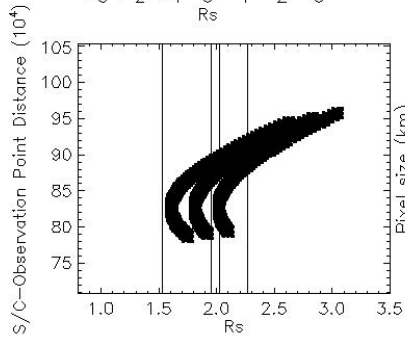


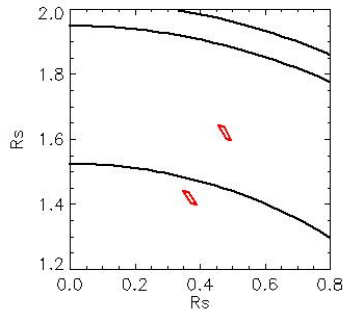
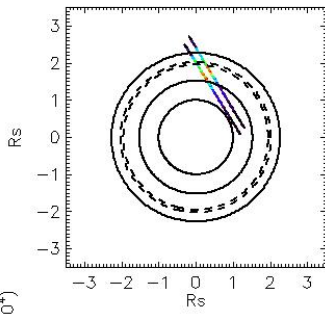
Observation Name:
UMS_033RLTEMPL20HP001_CIRS

Observation Date:
2006_323_17_29_05

Observation Duration:
1800 S

Integration time = 600 S



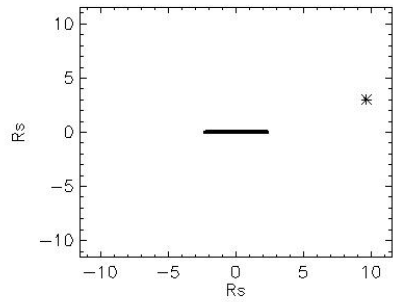
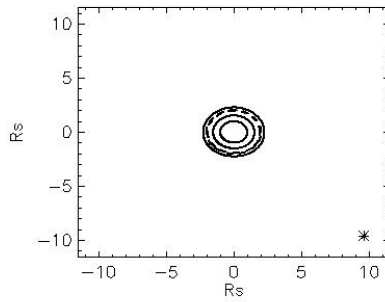
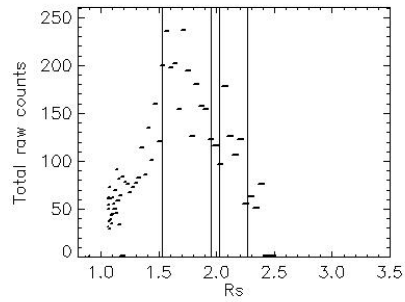
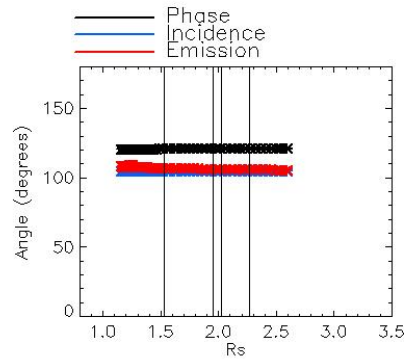
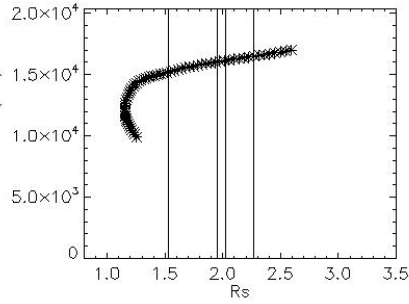
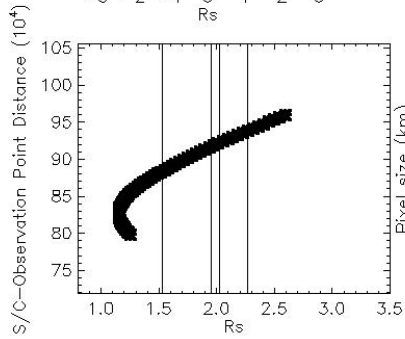


Observation Name:
UMS_033RLTEMPL20HP001_CIRS

Observation Date:
2006_323_18_08_05

Observation Duration:
600 S

Integration time = 600 S

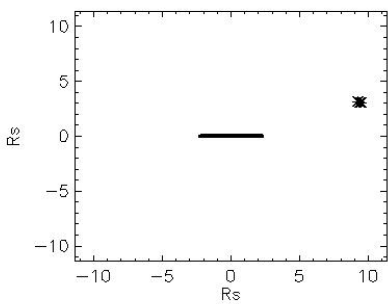
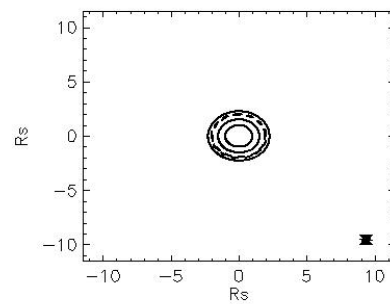
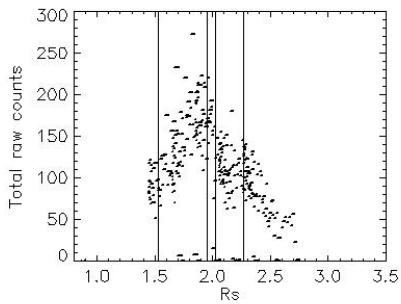
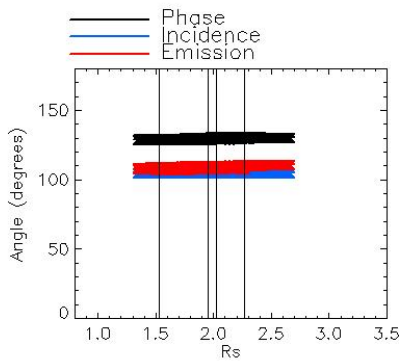
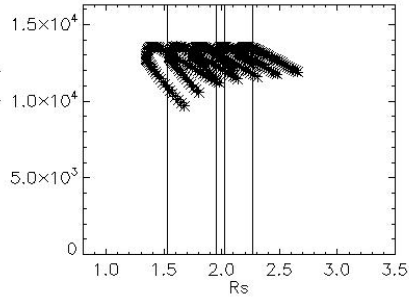
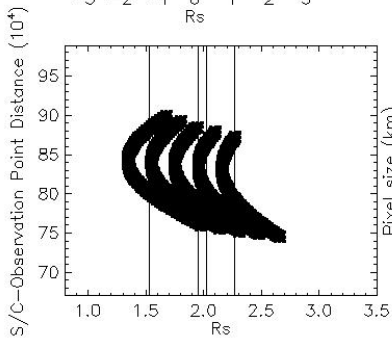
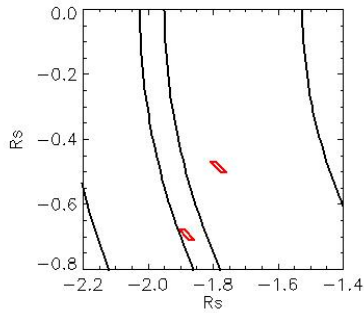
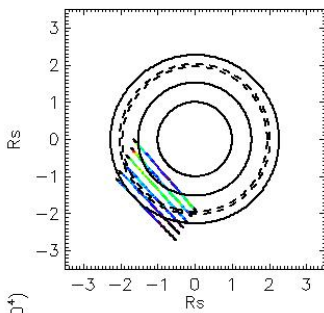


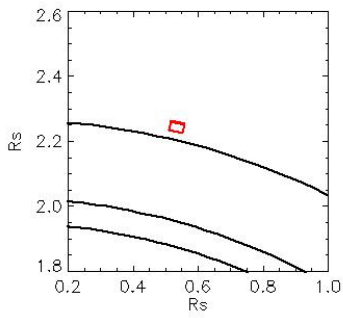
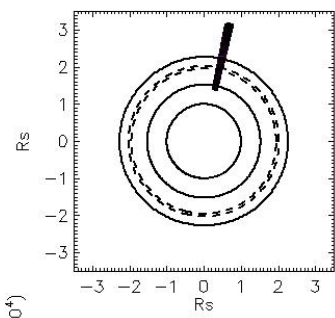
Observation Name:
UMS_033RLTEMPL20HP001_CIRS

Observation Date:
2006_323_18_28_05

Observation Duration:
3000 S

Integration time = 600 S



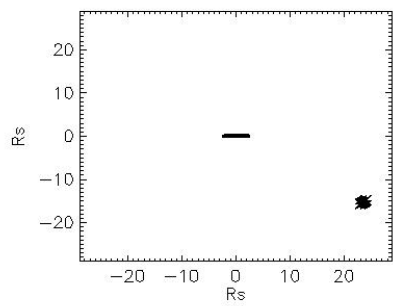
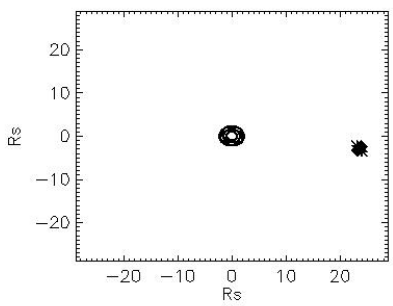
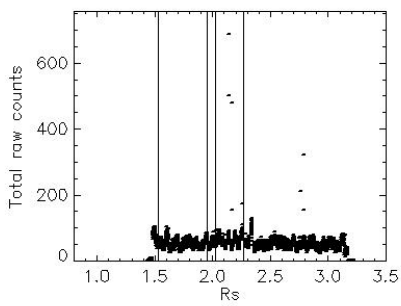
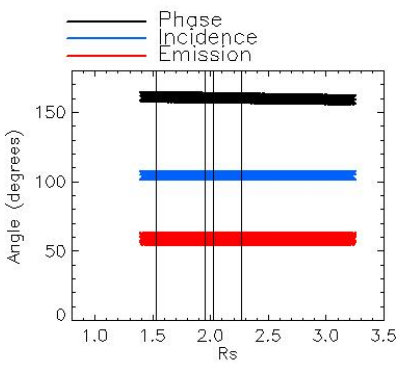
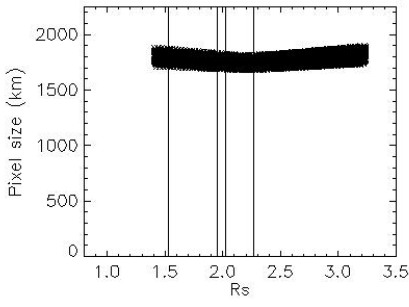
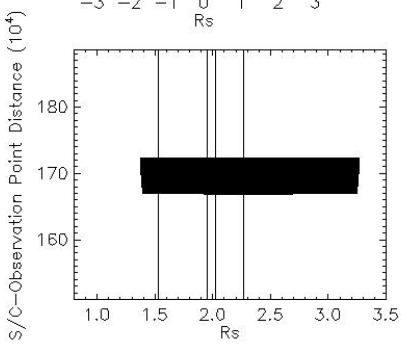


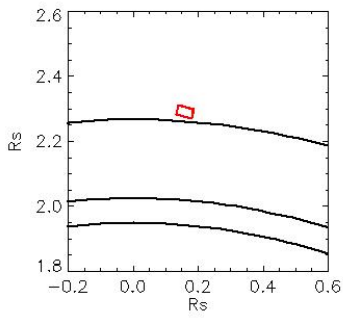
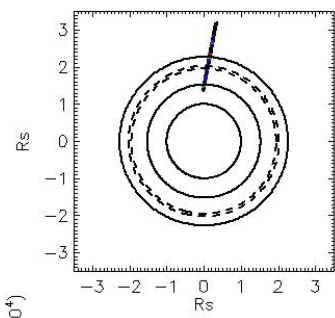
Observation Name:
UVS_033RF_FMOVIE001_VIMS

Observation Date:
2006_329_16_56_53

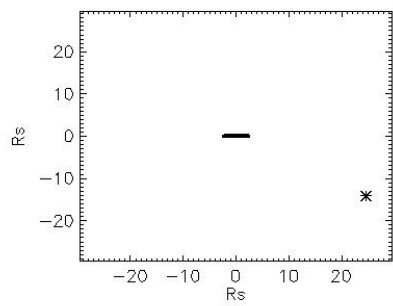
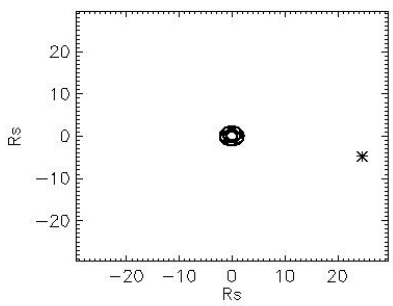
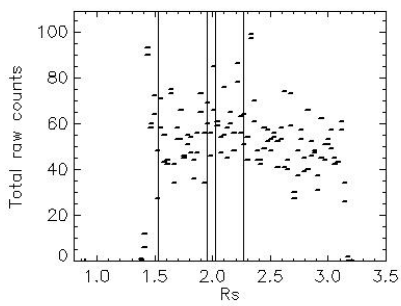
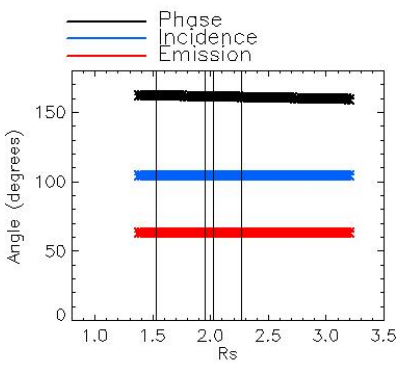
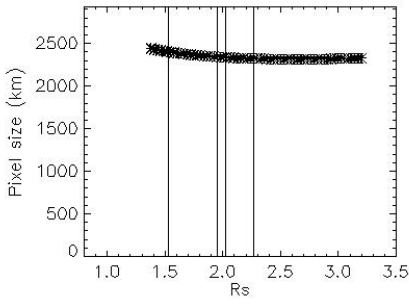
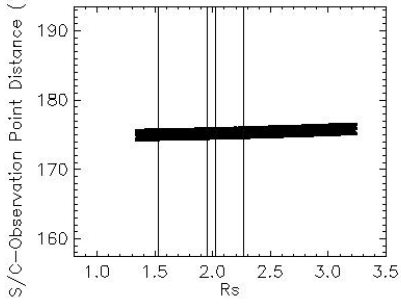
Observation Duration:
48600 S

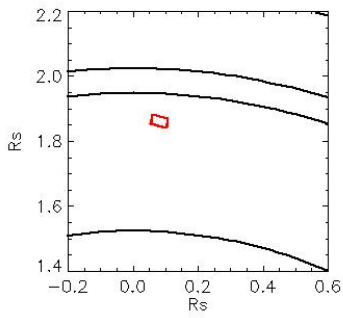
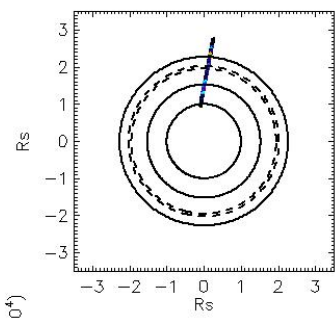
Integration time = 600 S





Observation Name:
 UVS_033RLAPOMOSAIC001_VIMS
 Observation Date:
 2006_330_17_02_03
 Observation Duration:
 1200 S
 Integration time = 600 S



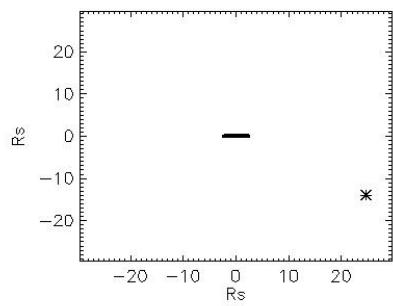
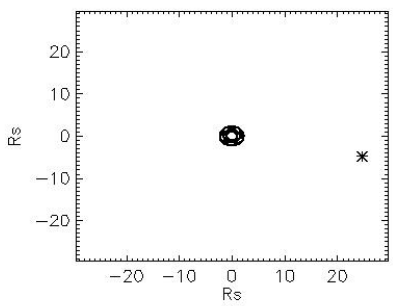
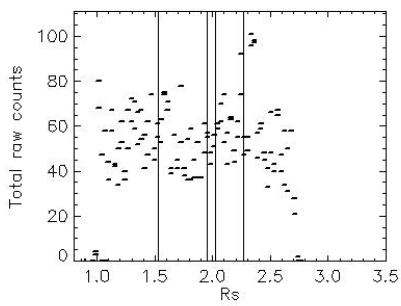
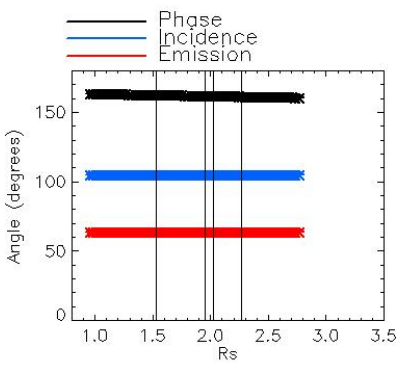
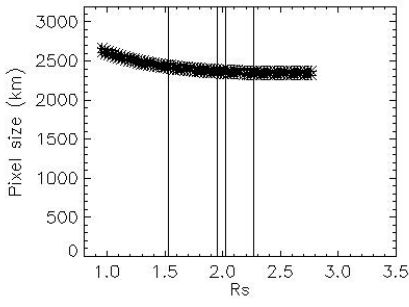
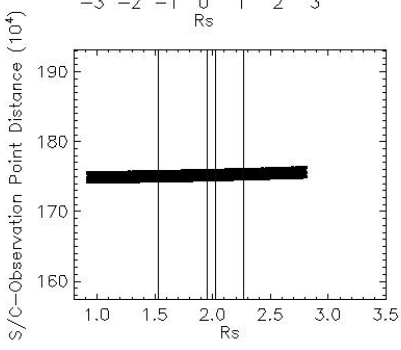


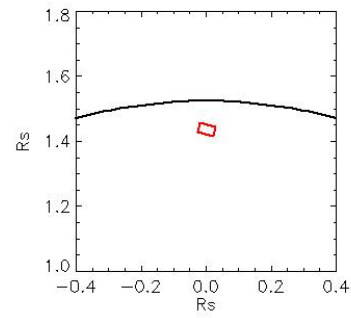
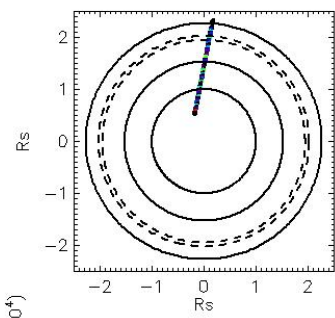
Observation Name:
UVIS_033RLAPOMOSAIC001_VIMS

Observation Date:
2006_330_17_27_33

Observation Duration:
1200 S

Integration time = 600 S



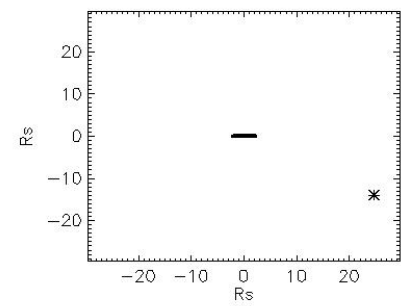
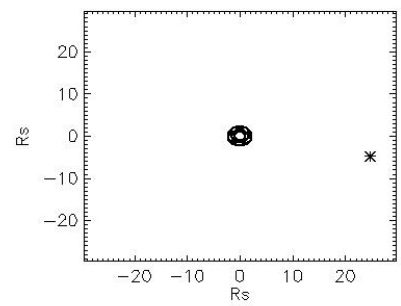
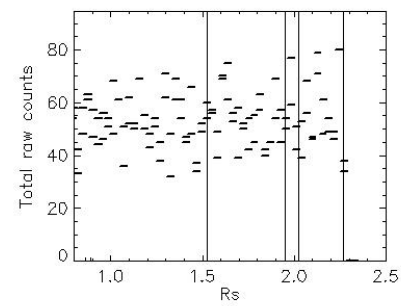
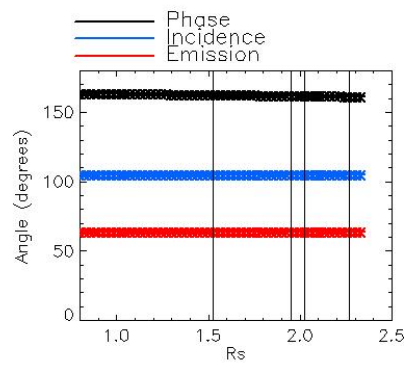
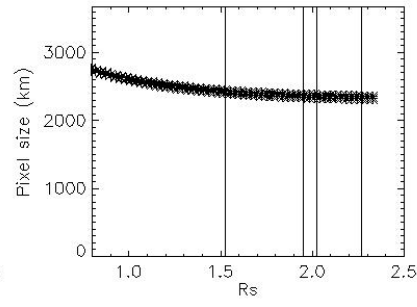
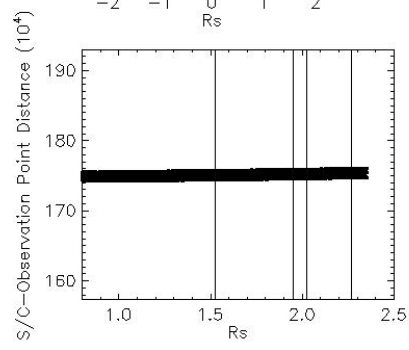


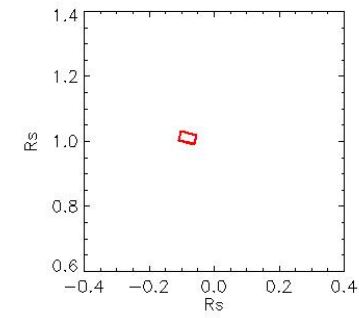
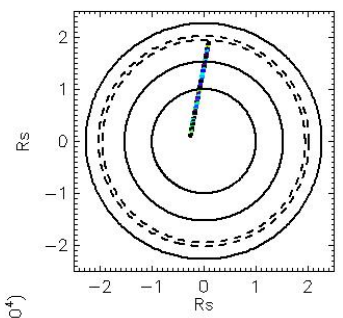
Observation Name:
UVIS_033RLAPOMOSAIC001_VIMS

Observation Date:
2006_330_17_53_04

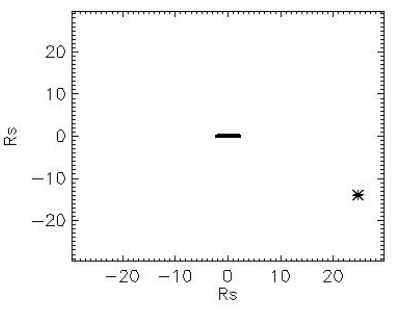
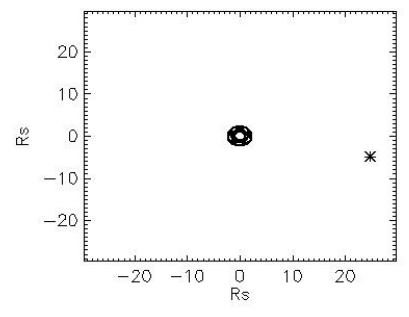
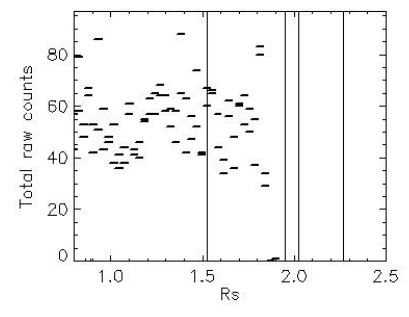
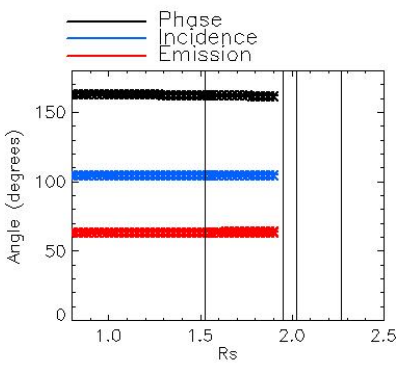
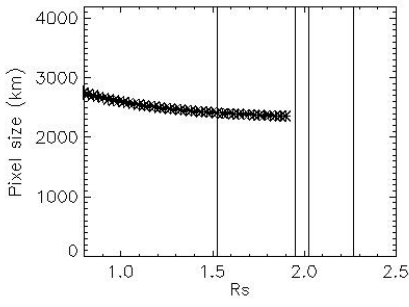
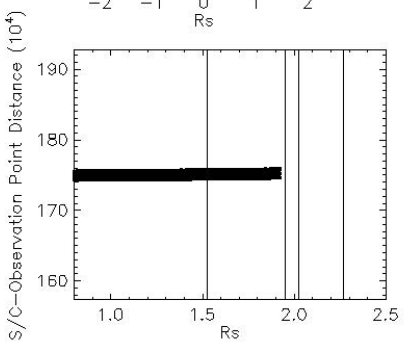
Observation Duration:
1200 S

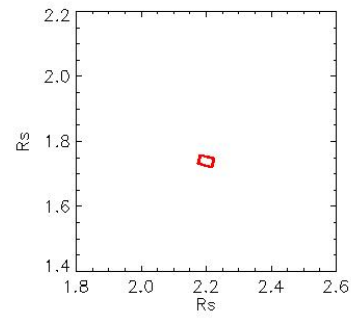
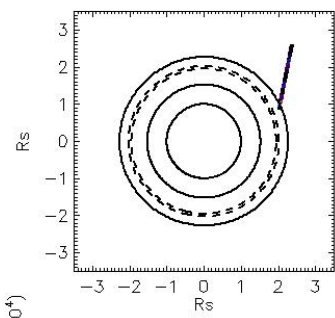
Integration time = 600 S





Observation Name:
 UVS_033RLAPOMOSAIC001_VIMS
 Observation Date:
 2006_330_18_18_35
 Observation Duration:
 1200 S
 Integration time = 600 S



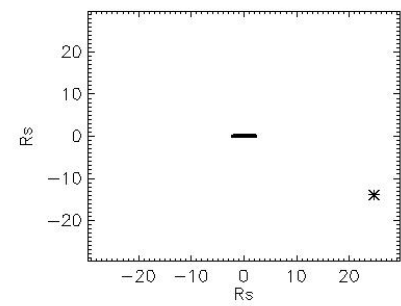
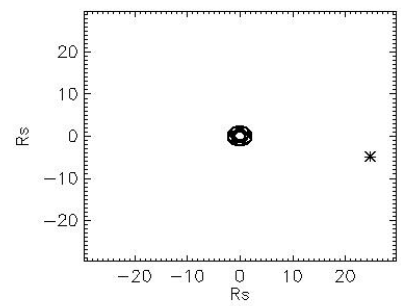
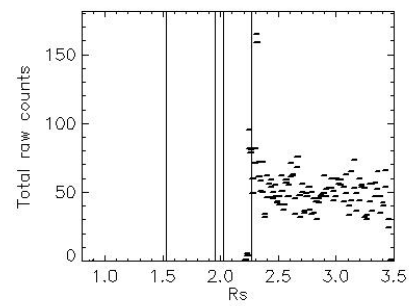
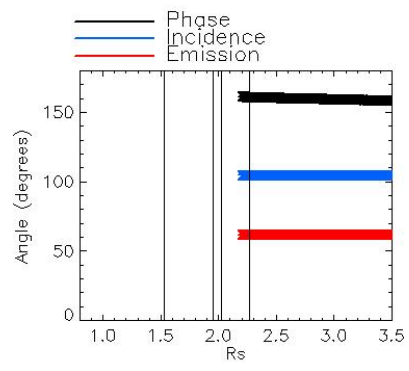
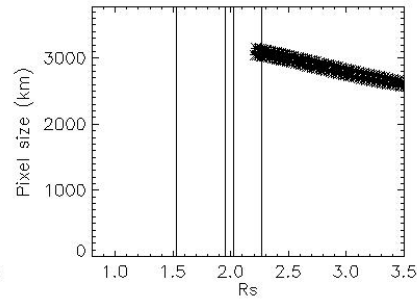
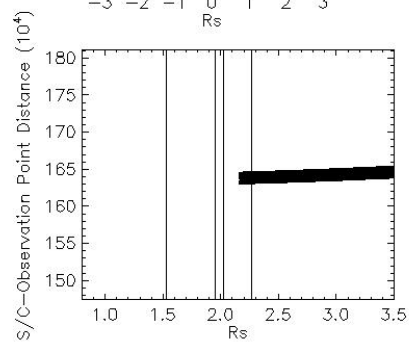


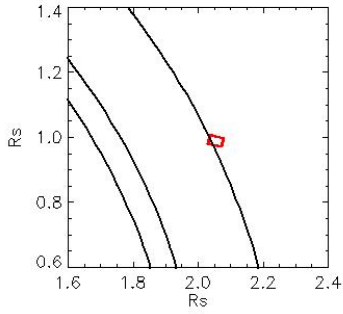
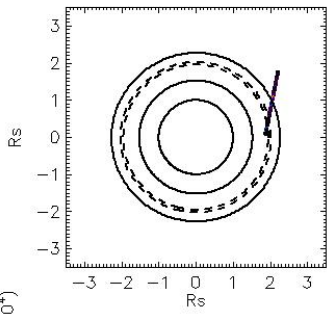
Observation Name:
UVIS_033RLAPOMOSAIC001_VIMS

Observation Date:
2006_330_18_50_02

Observation Duration:
1200 S

Integration time = 600 S



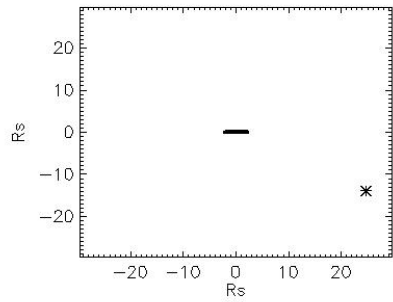
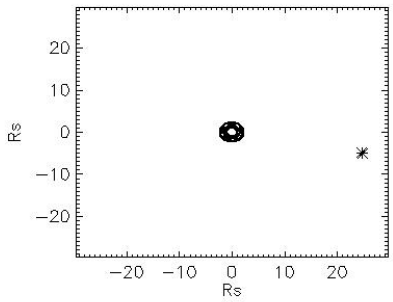
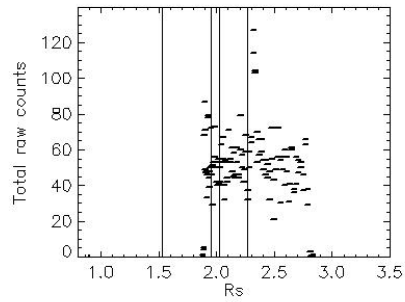
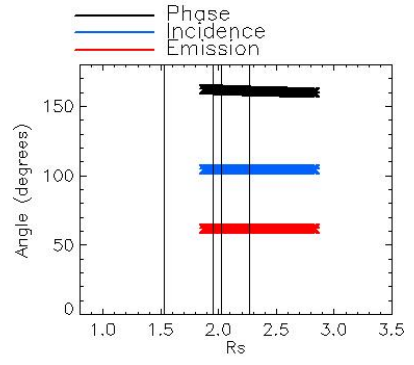
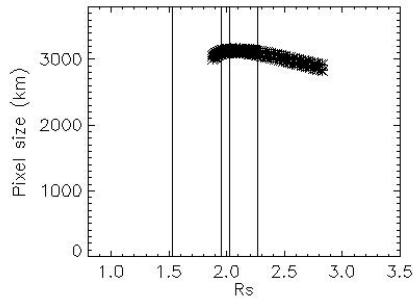
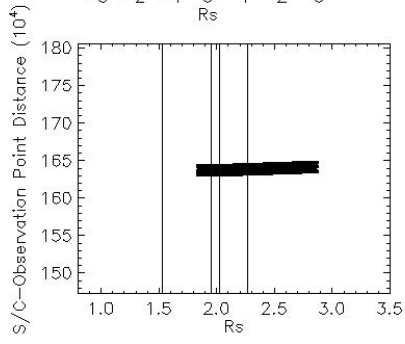


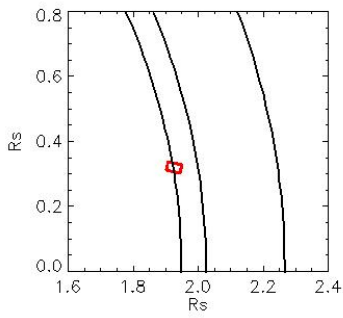
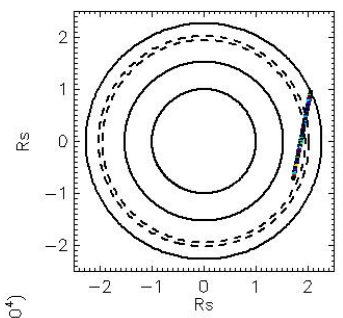
Observation Name:
UVIS_033RLAPOMOSAIC001_VIMS

Observation Date:
2006_330_19_16_09

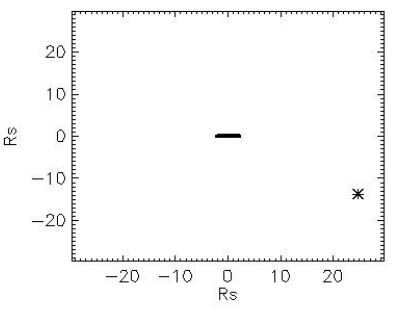
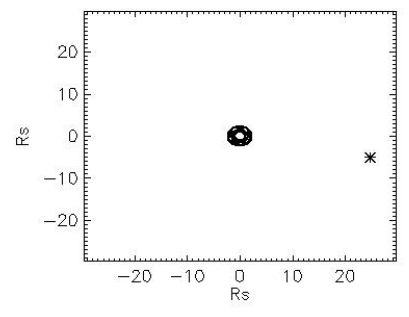
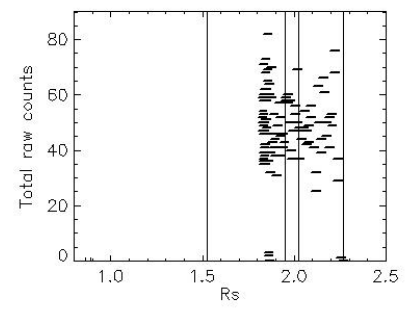
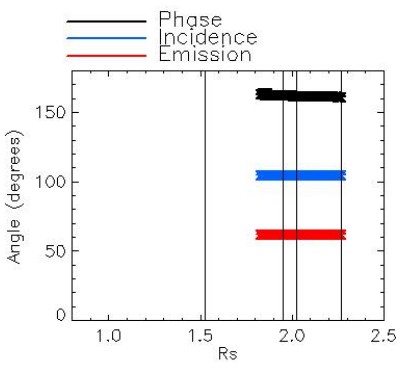
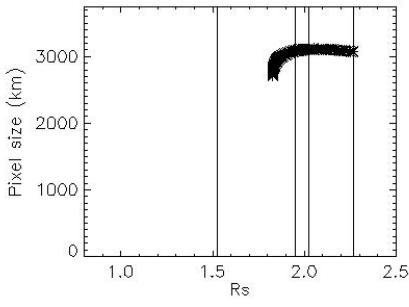
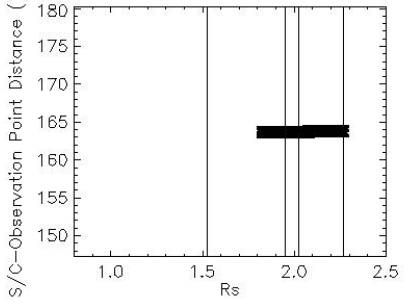
Observation Duration:
1200 S

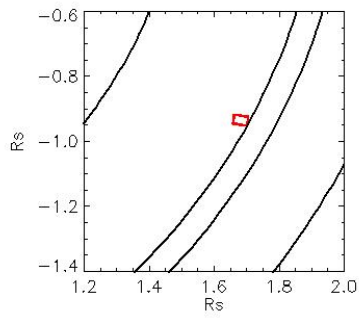
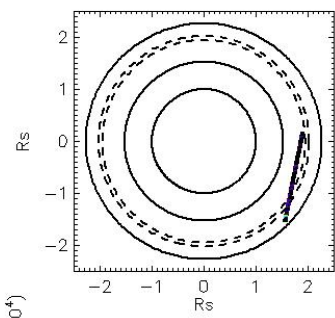
Integration time = 600 S





Observation Name:
 UVS_033RLAPOMOSAIC001_VIMS
 Observation Date:
 2006_330_19_42_16
 Observation Duration:
 1200 S
 Integration time = 600 S



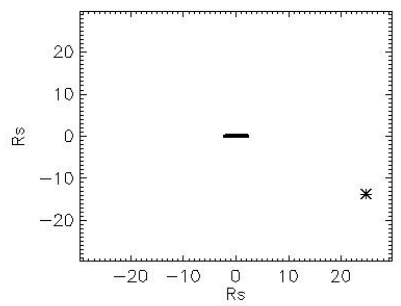
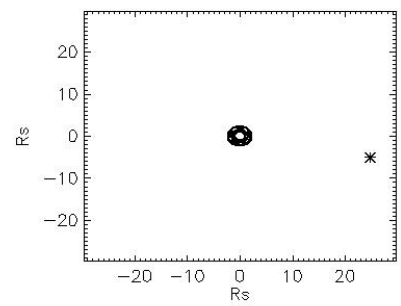
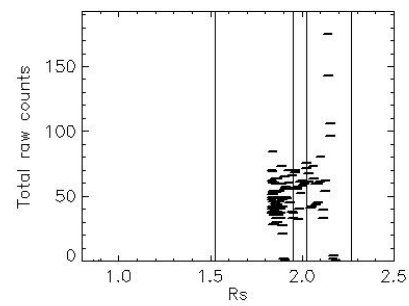
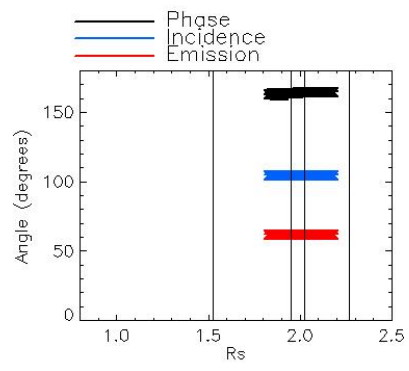
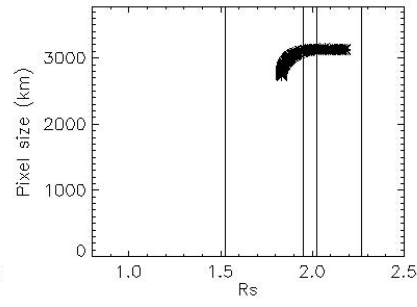
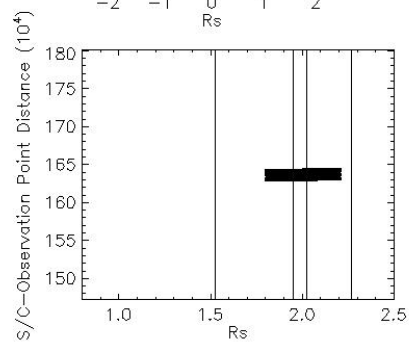


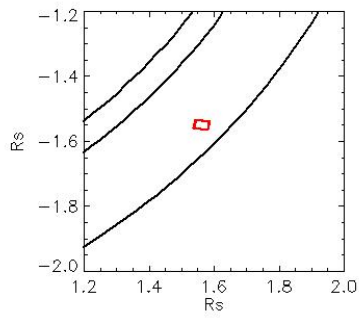
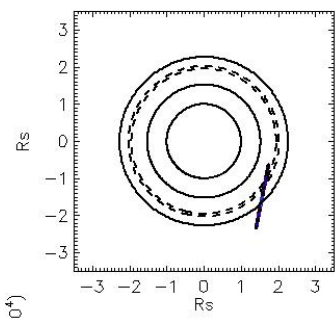
Observation Name:
UVIS_033RLAPOMOSAIC001_VIMS

Observation Date:
2006_330_20_08_23

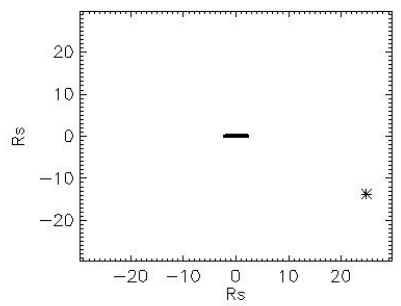
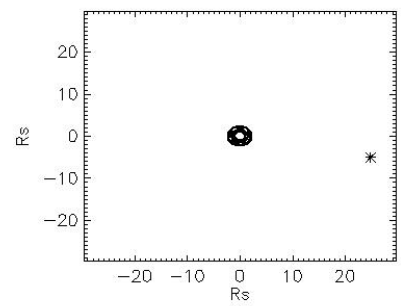
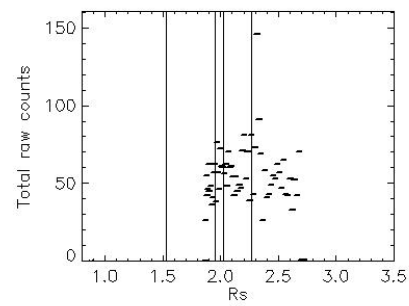
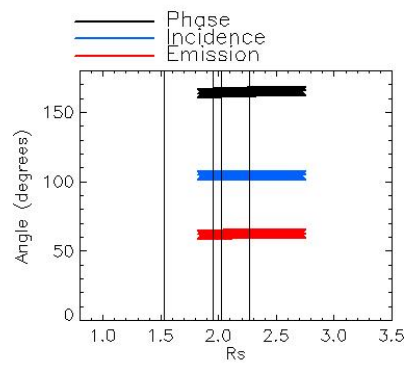
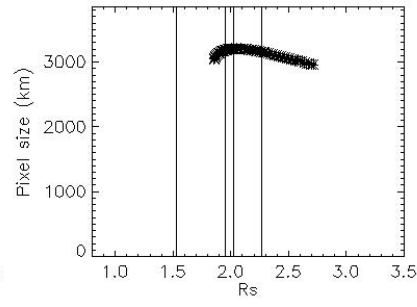
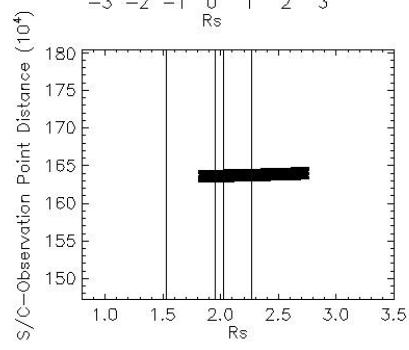
Observation Duration:
1200 S

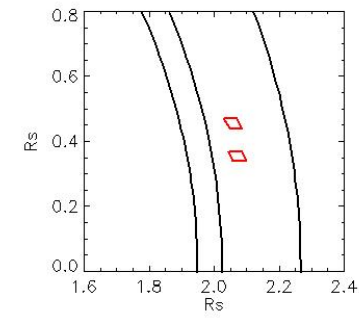
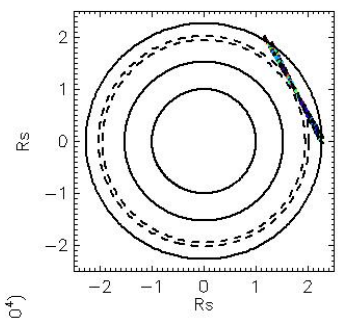
Integration time = 600 S





Observation Name:
 UVS_033RLAPOMOSAIC001_VIMS
 Observation Date:
 2006_330_20_34_30
 Observation Duration:
 600 S
 Integration time = 600 S



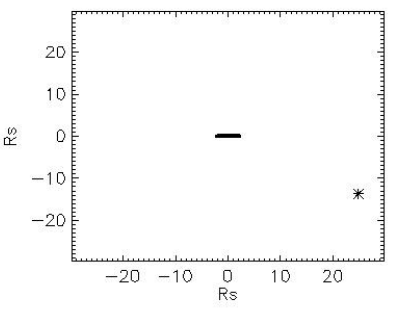
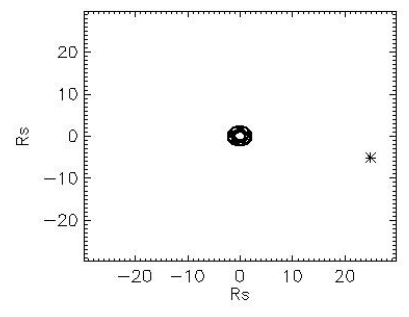
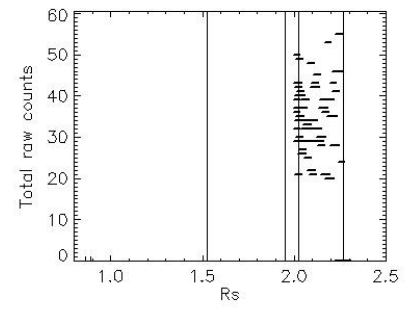
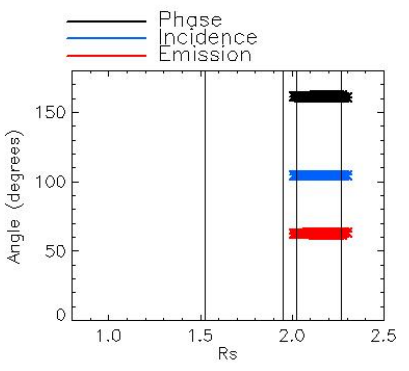
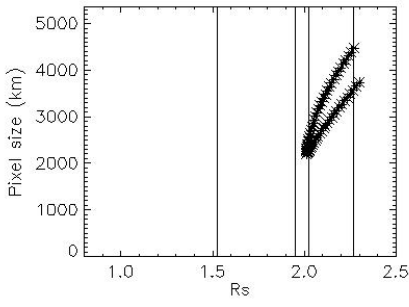
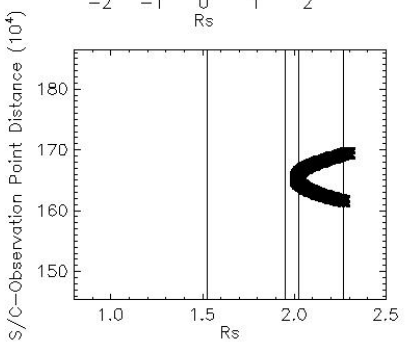


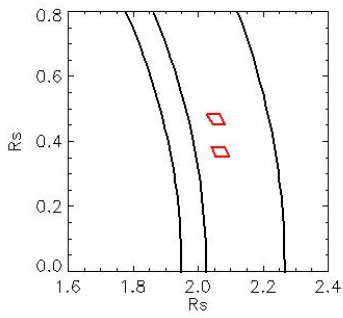
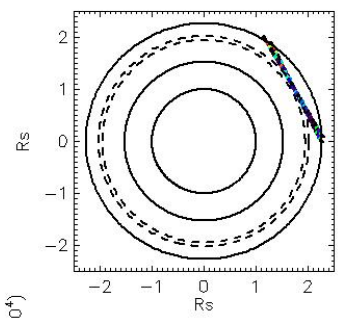
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_330_21_00_58

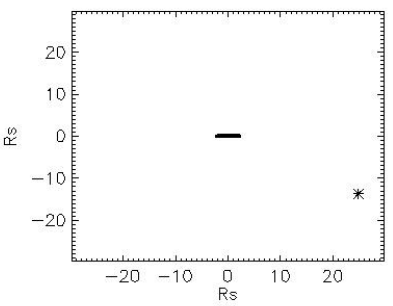
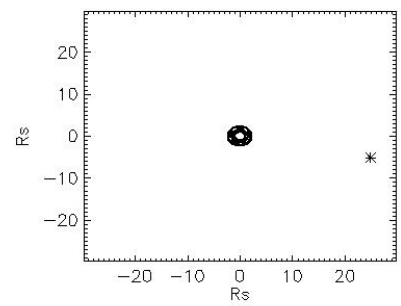
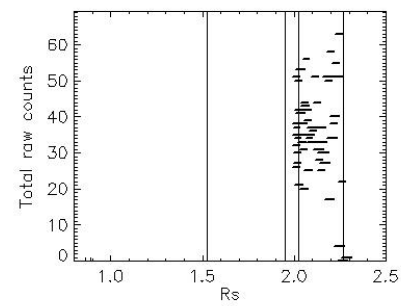
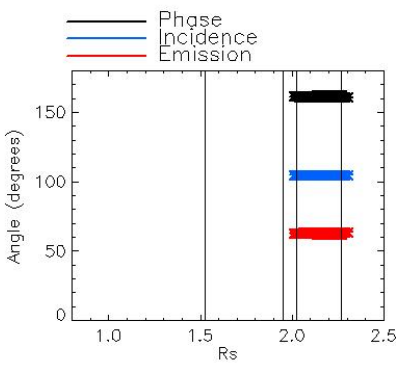
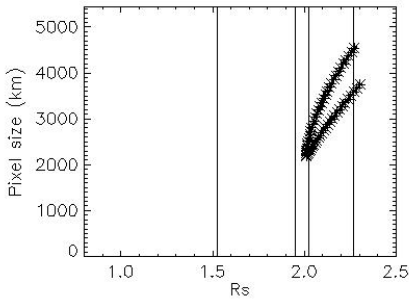
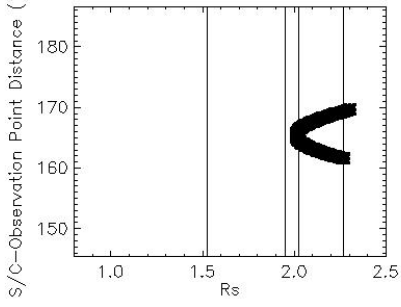
Observation Duration:
415 S

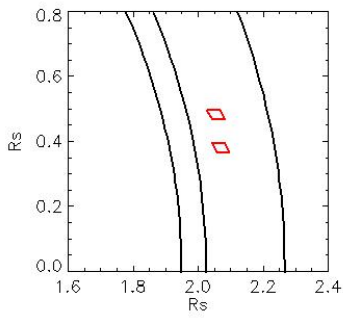
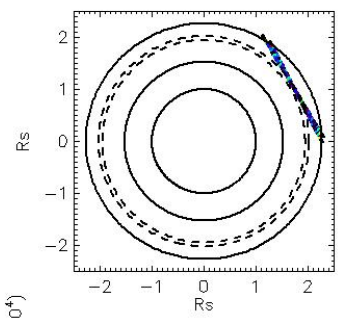
Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_330_21_10_42
 Observation Duration:
 415 S
 Integration time = 415 S



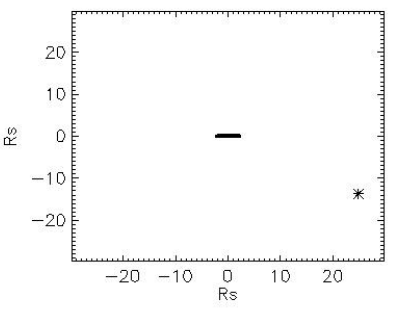
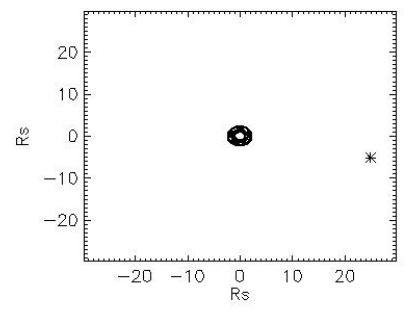
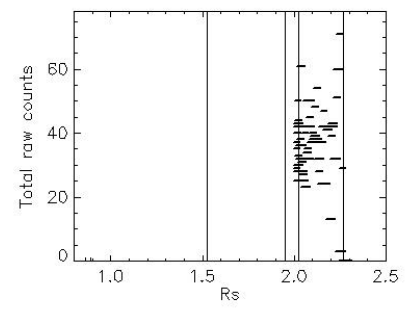
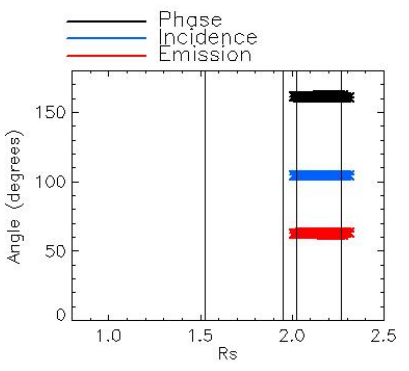
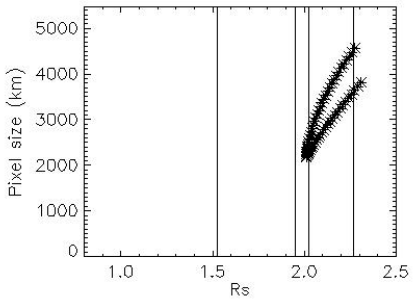
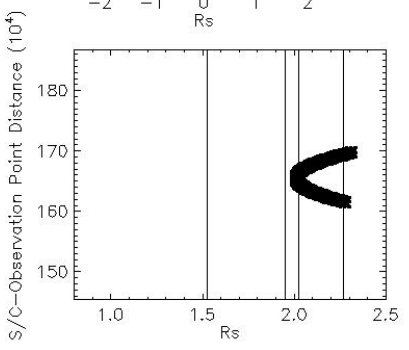


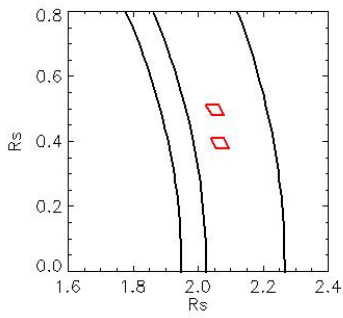
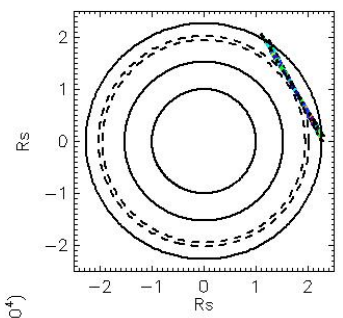
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_330_21_20_27

Observation Duration:
415 S

Integration time = 415 S



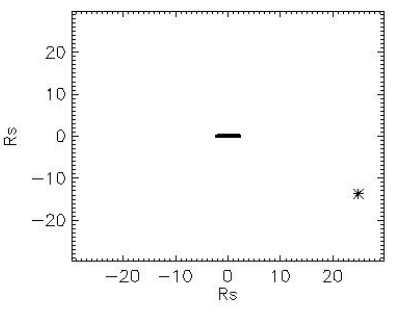
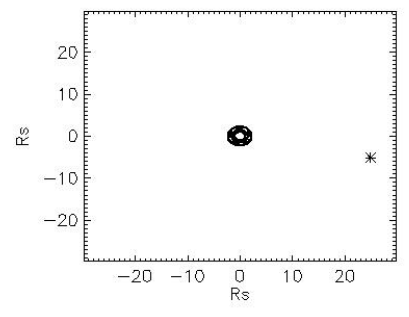
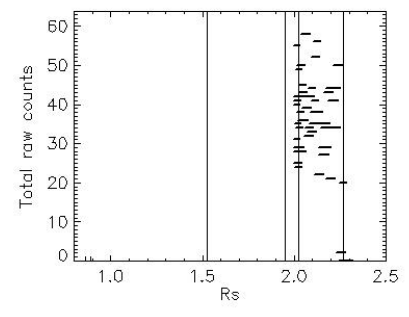
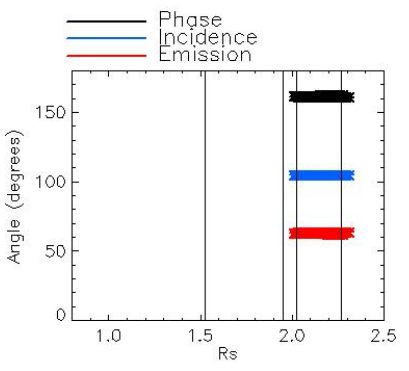
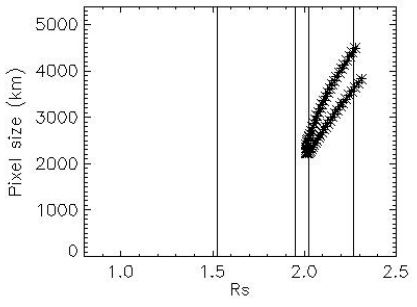
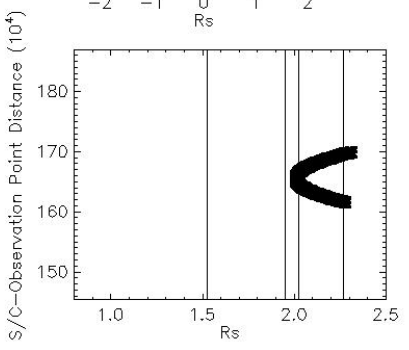


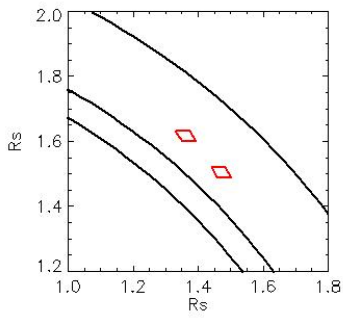
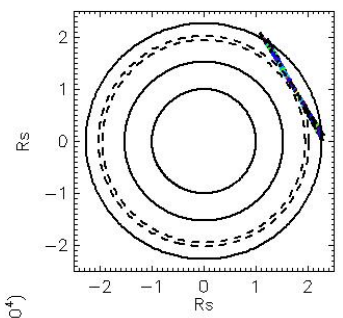
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_330_21_30_14

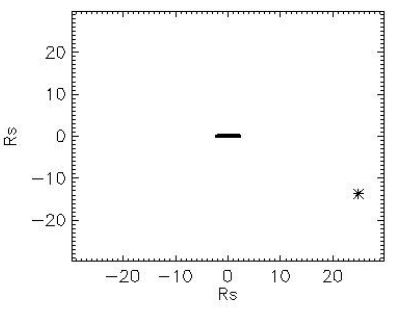
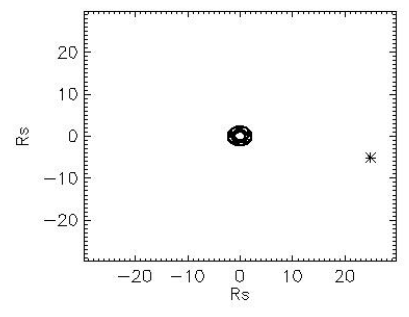
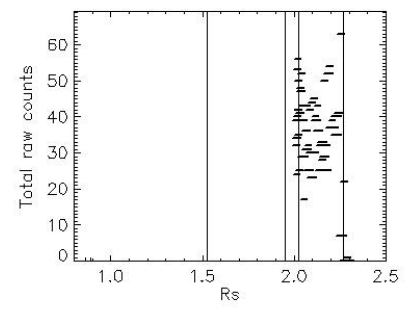
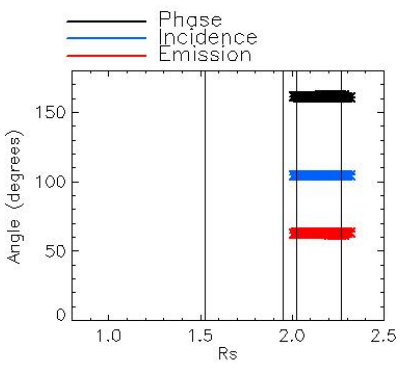
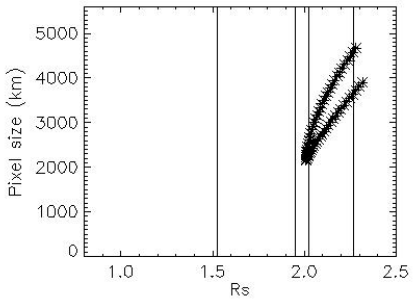
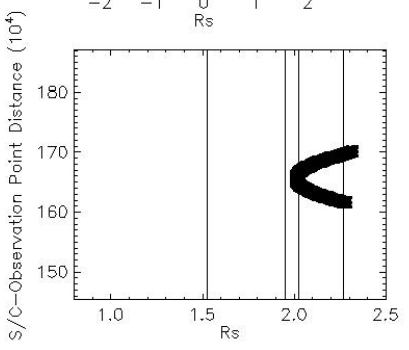
Observation Duration:
415 S

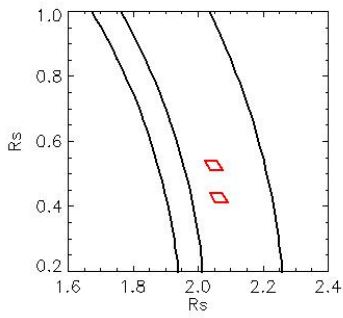
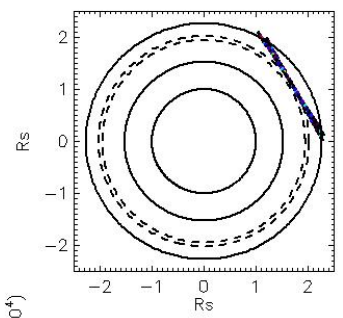
Integration time = 415 S



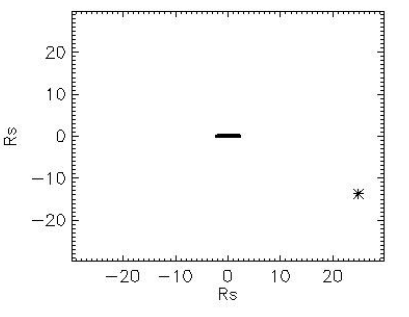
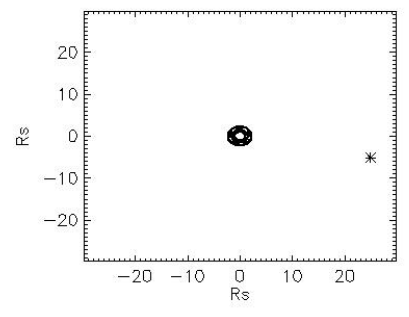
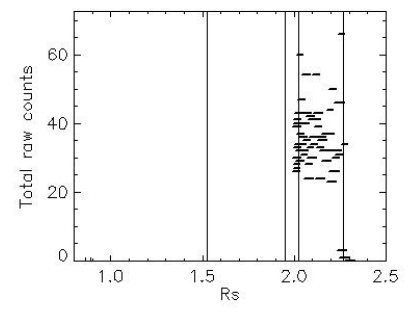
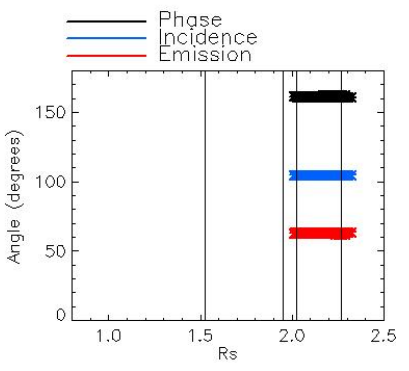
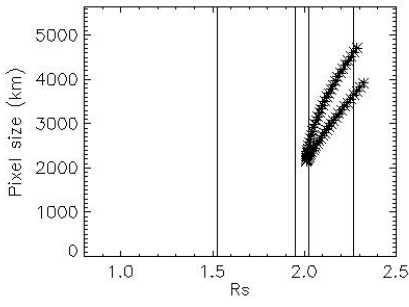
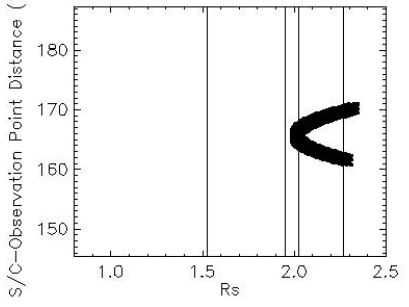


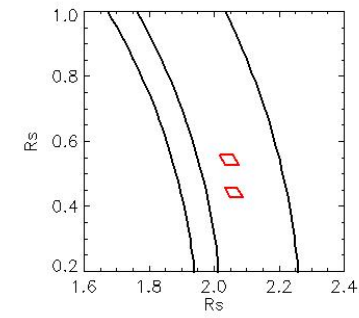
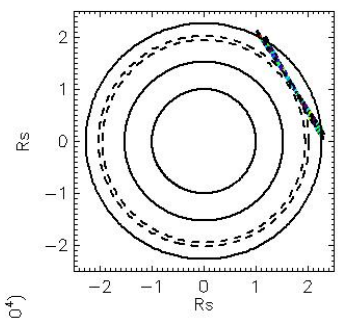
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_330_21_40_02
 Observation Duration:
 415 S
 Integration time = 415 S





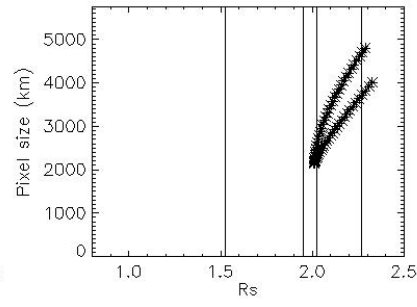
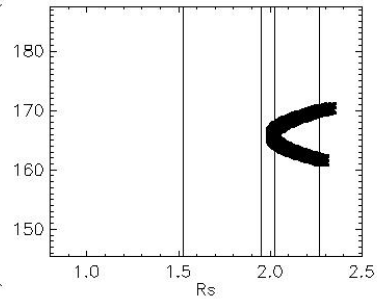
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_330_21_49_52
 Observation Duration:
 415 S
 Integration time = 415 S



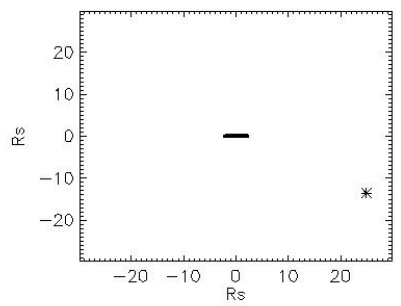
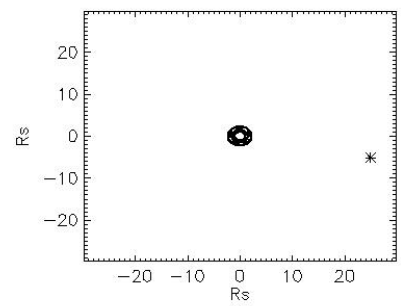
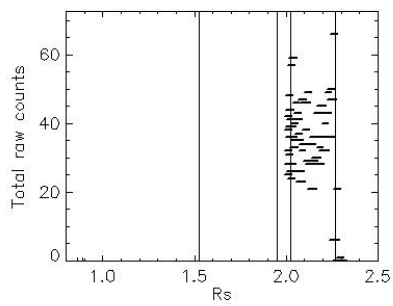
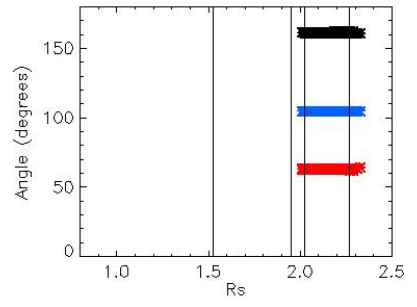


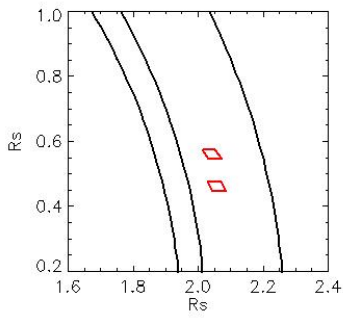
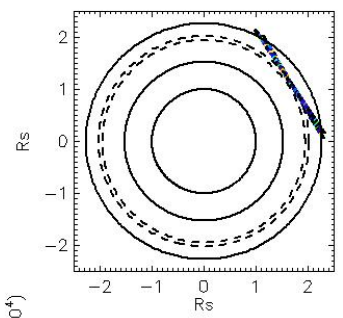
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_330_21_59_44
 Observation Duration:
 415 S
 Integration time = 415 S

S/C—Observation Point Distance (10^4)

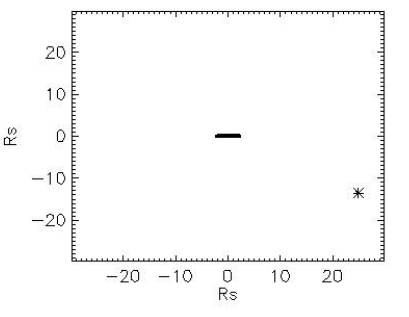
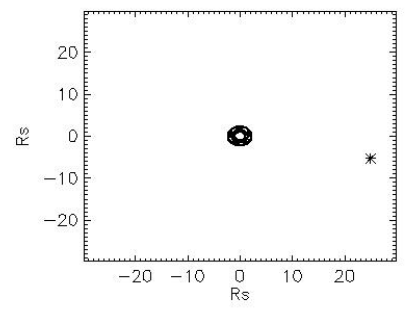
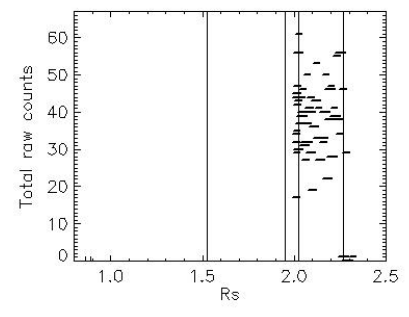
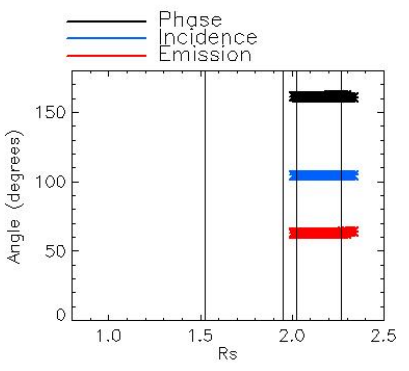
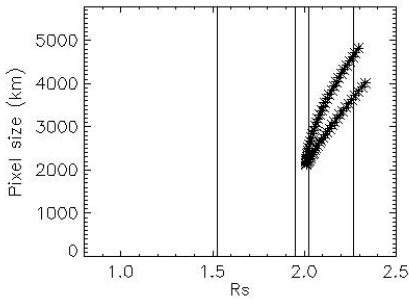
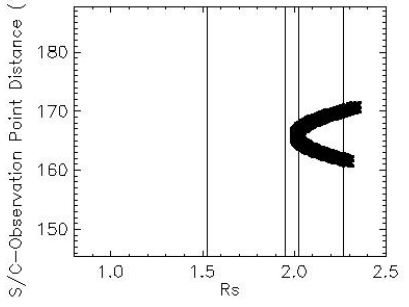


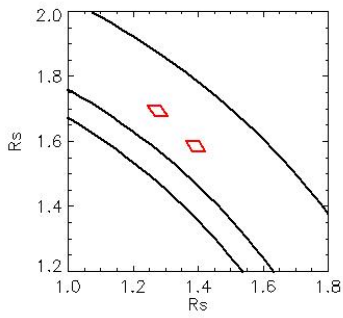
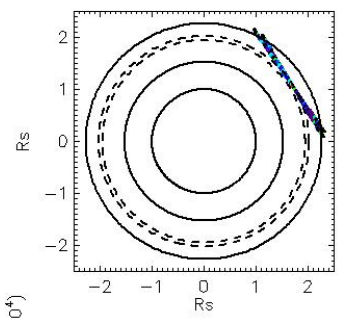
— Phase
 — Incidence
 — Emission





Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_330_22_09_38
 Observation Duration:
 415 S
 Integration time = 415 S



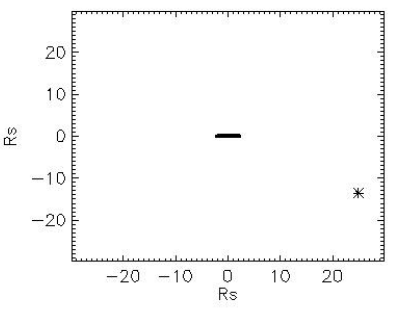
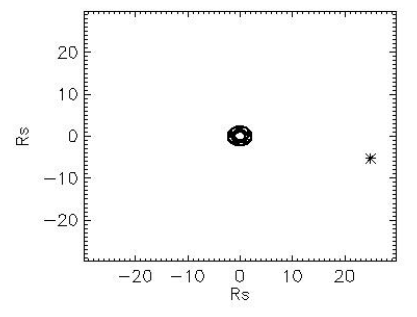
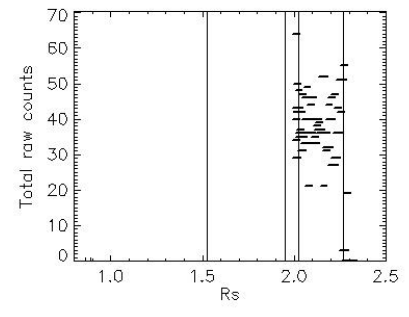
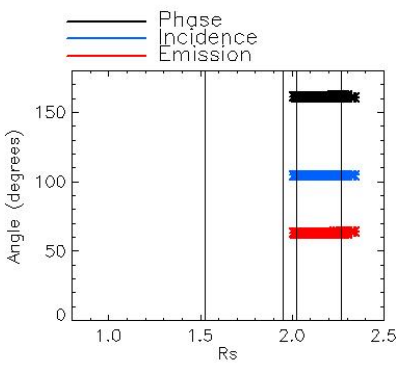
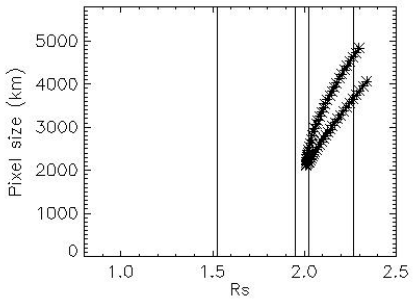
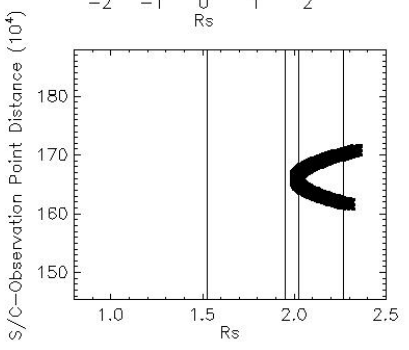


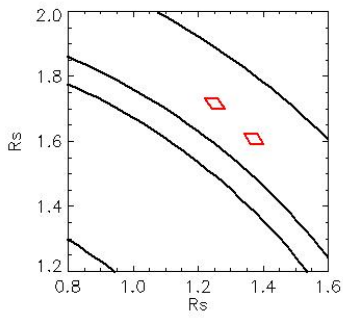
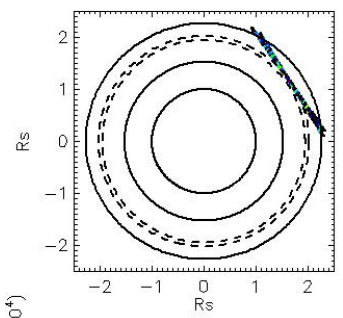
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_330_22_19_34

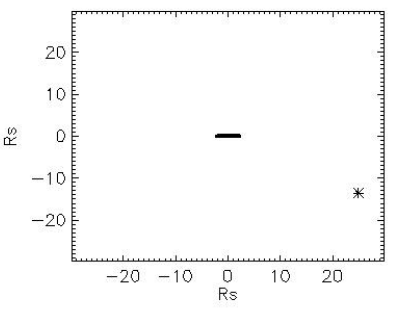
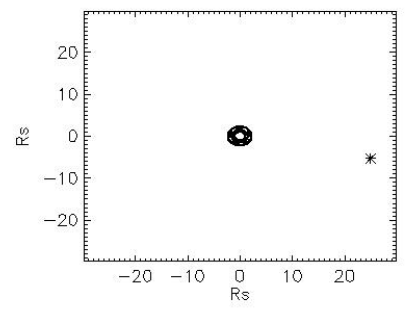
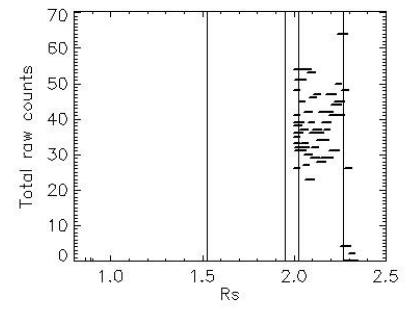
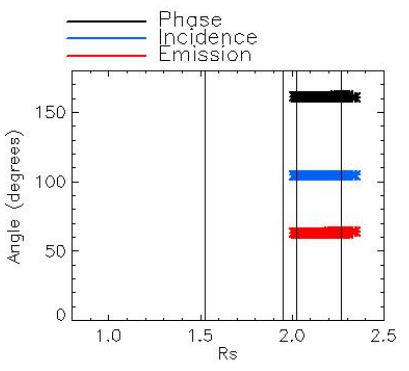
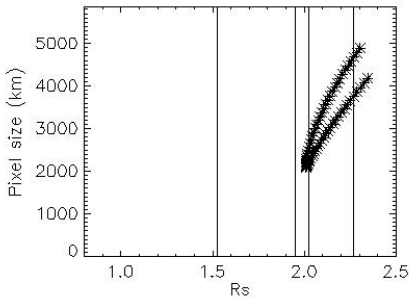
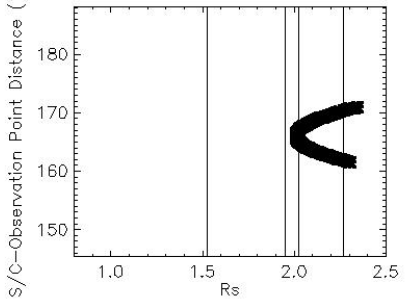
Observation Duration:
415 S

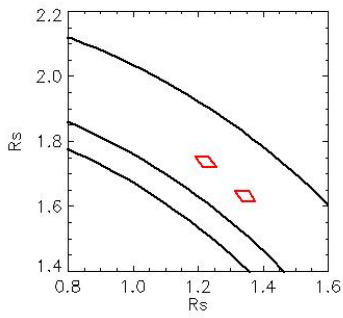
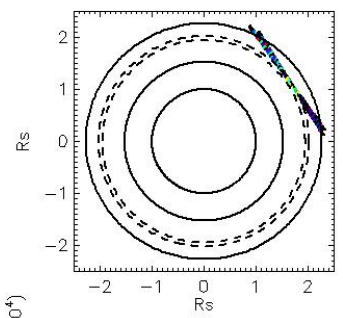
Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_ISS
 Observation Date:
 2006_330_22_29_32
 Observation Duration:
 415 S
 Integration time = 415 S



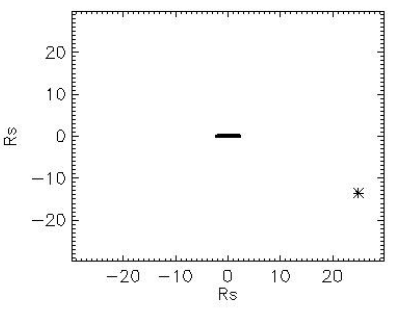
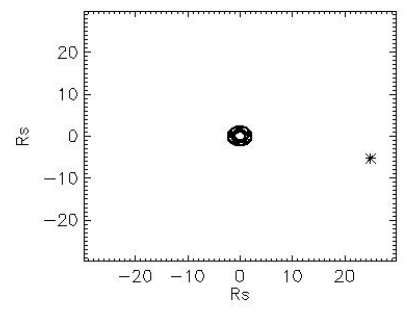
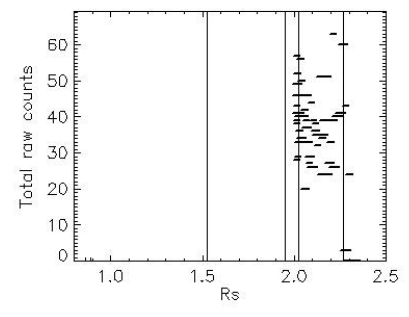
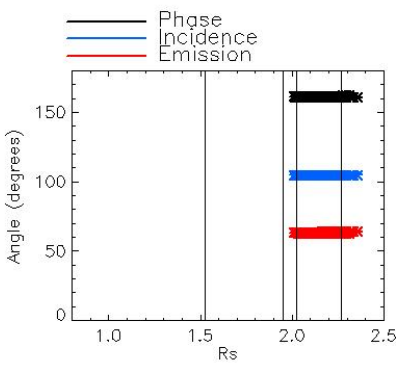
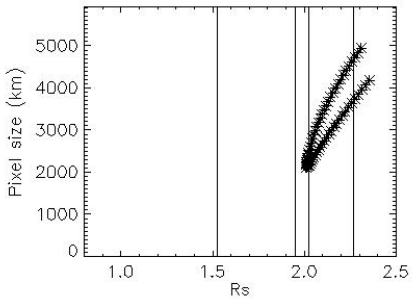
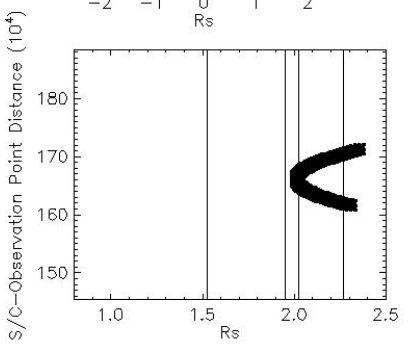


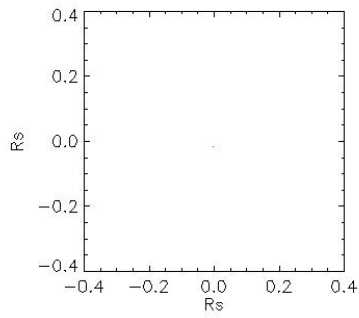
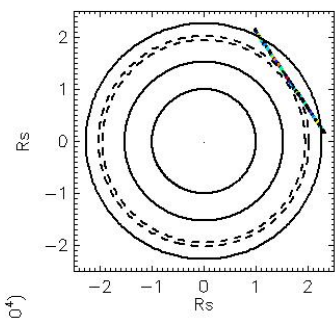
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_330_22_39_33

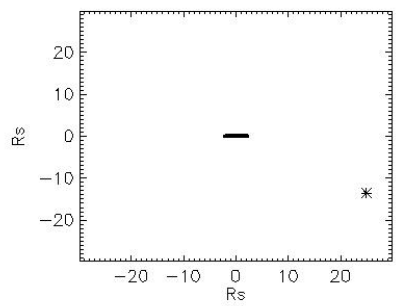
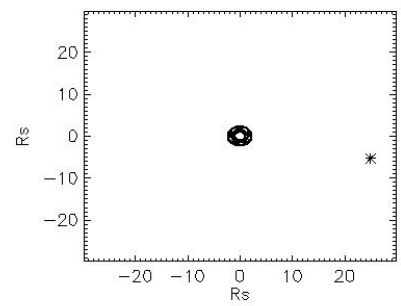
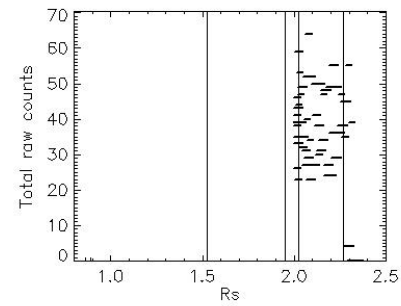
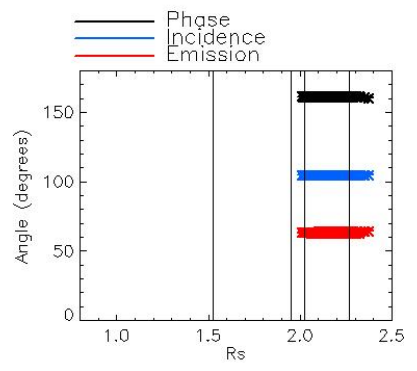
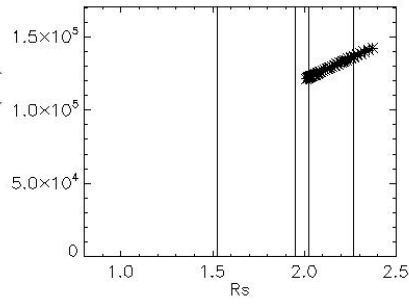
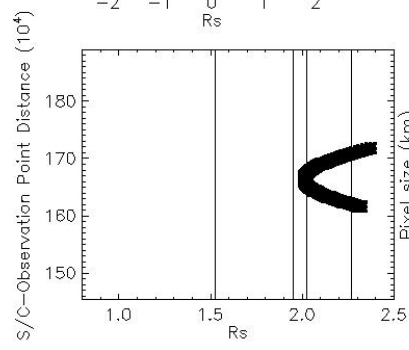
Observation Duration:
415 S

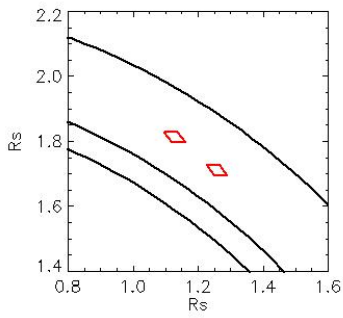
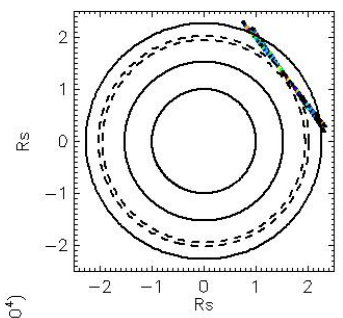
Integration time = 415 S



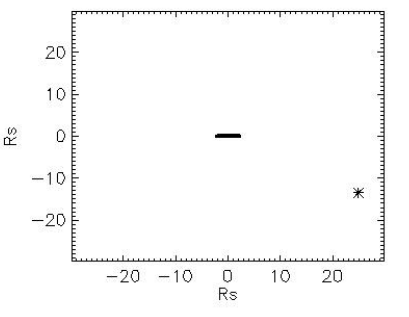
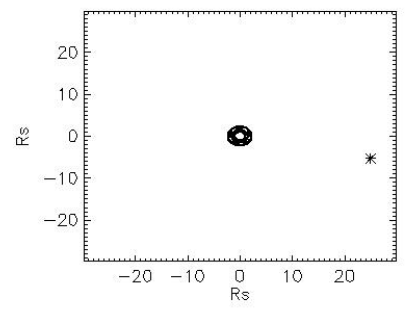
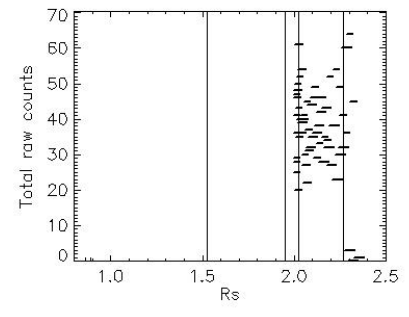
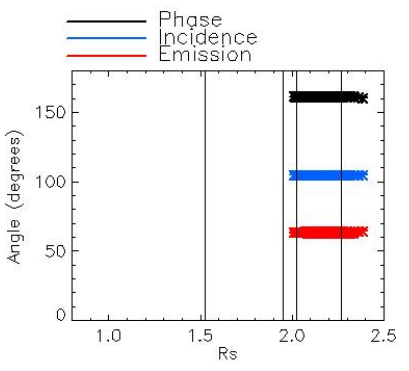
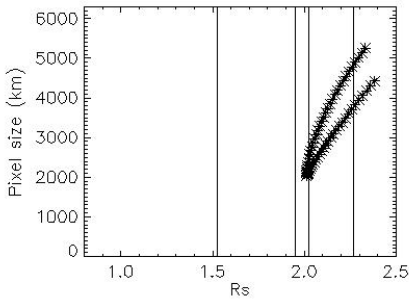
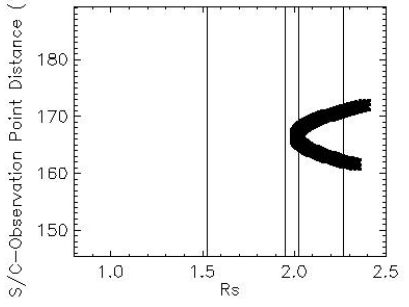


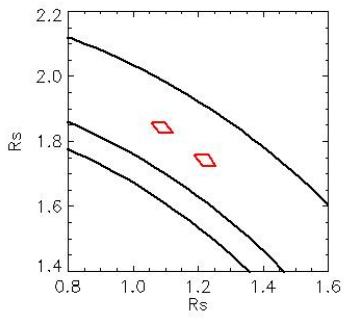
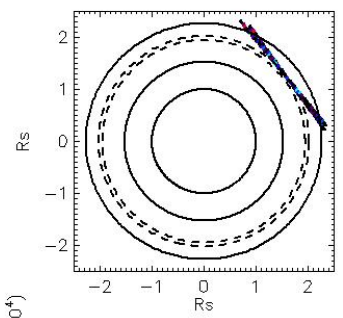
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_330_22_59_44
 Observation Duration:
 415 S
 Integration time = 415 S



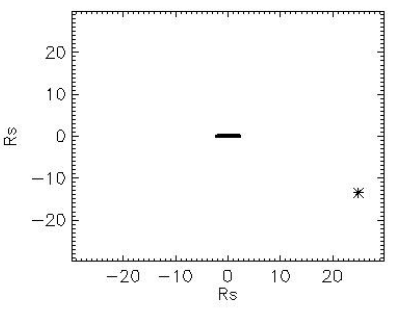
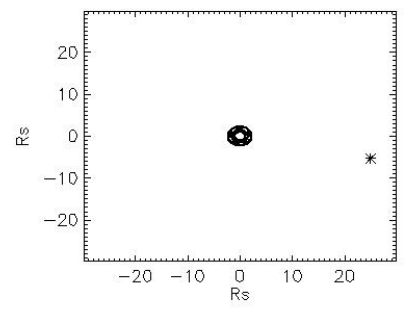
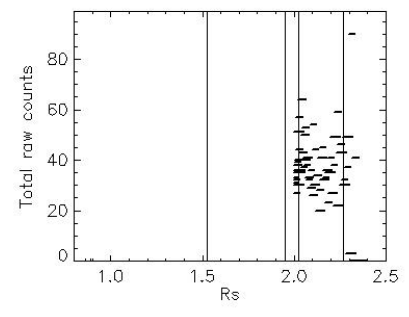
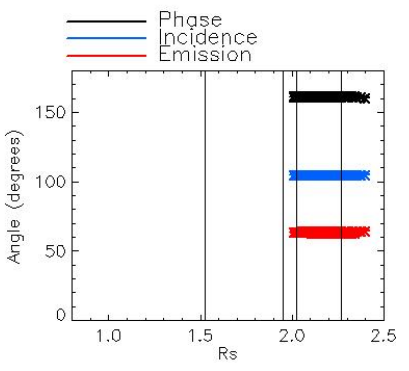
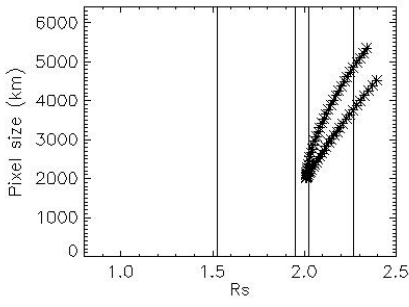
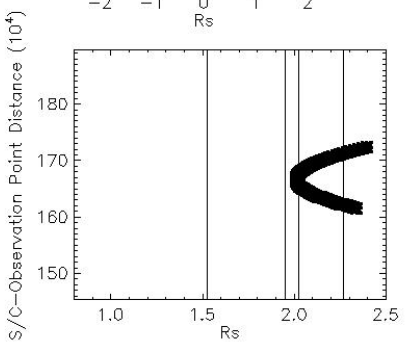


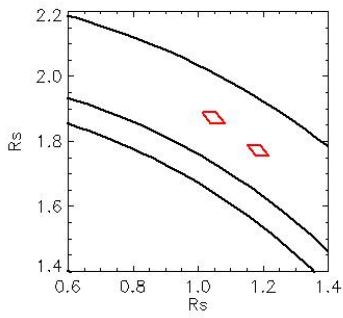
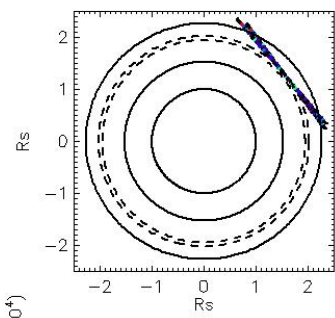
Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_330_23_09_55
 Observation Duration:
 415 S
 Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_330_23_20_09
 Observation Duration:
 415 S
 Integration time = 415 S



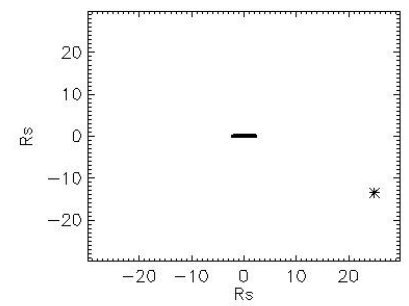
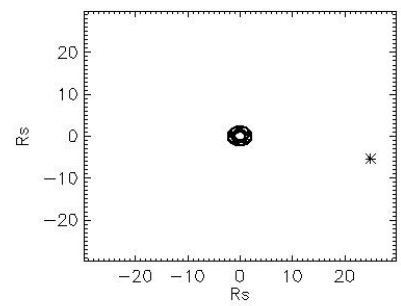
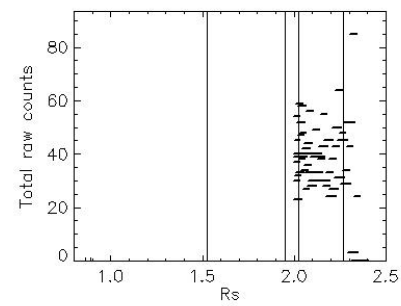
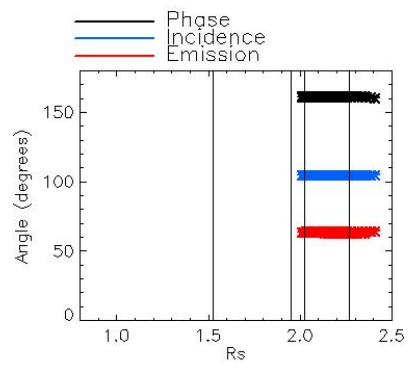
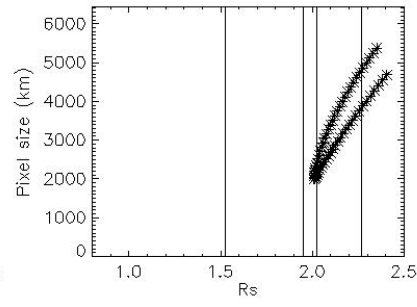
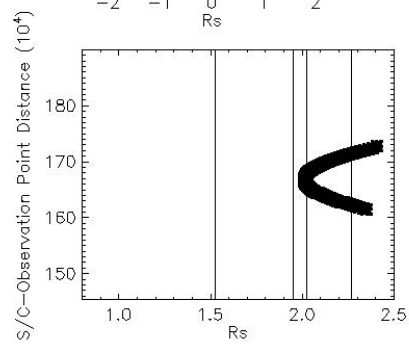


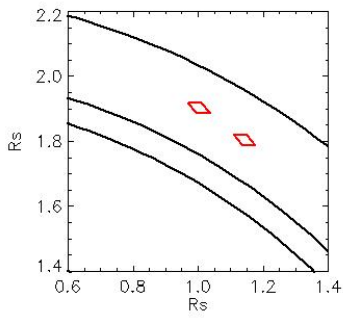
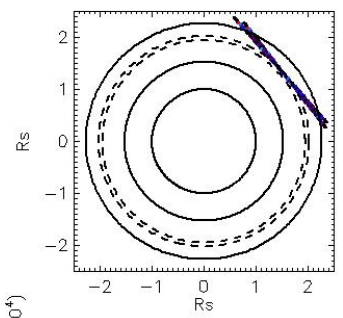
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_330_23_30_28

Observation Duration:
415 S

Integration time = 415 S



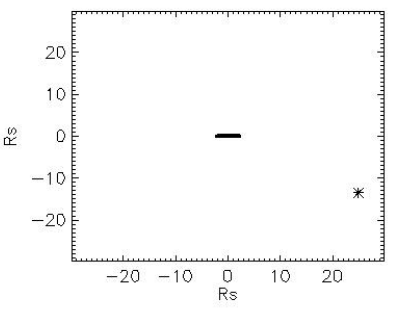
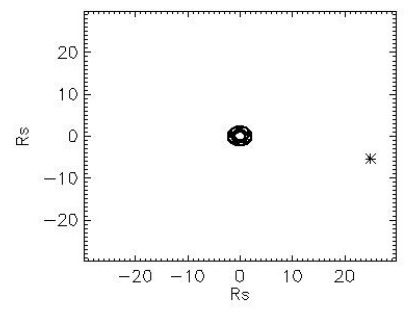
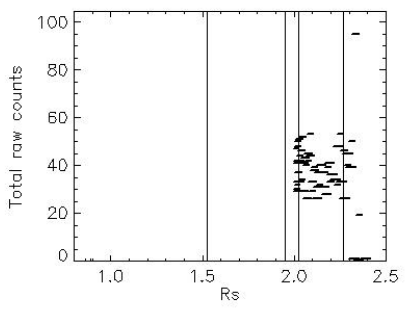
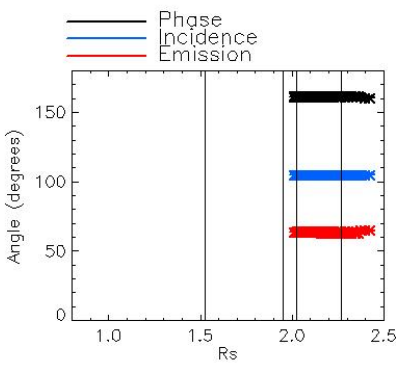
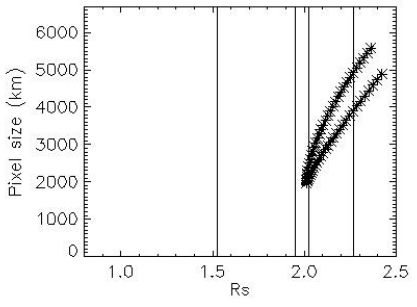
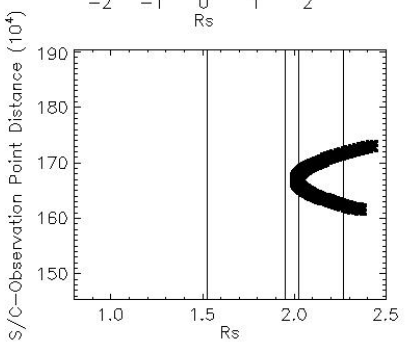


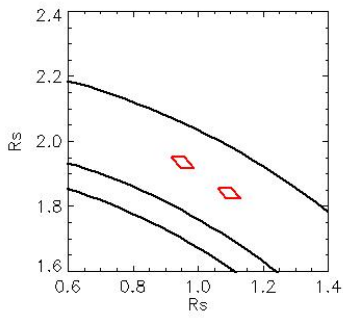
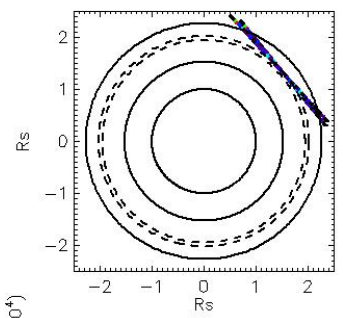
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_330_23_40_52

Observation Duration:
415 S

Integration time = 415 S



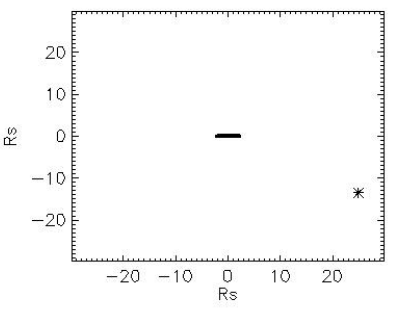
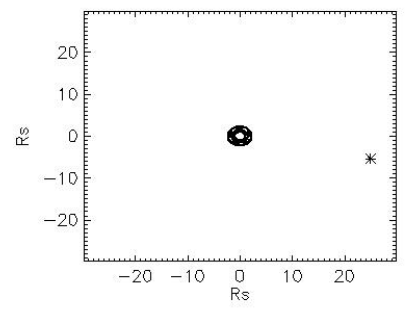
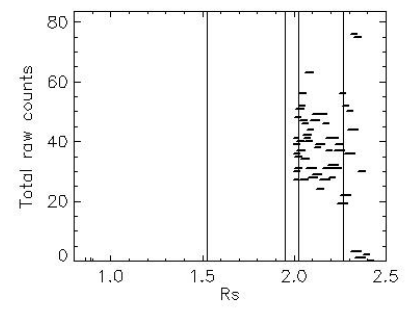
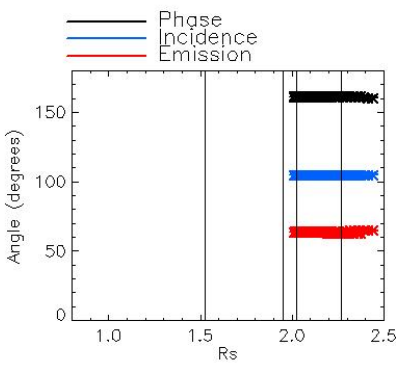
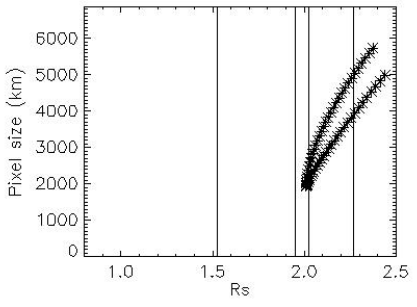
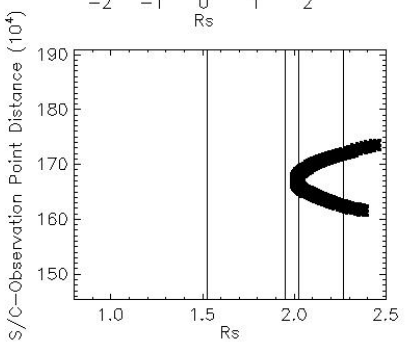


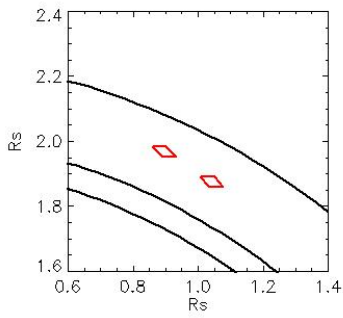
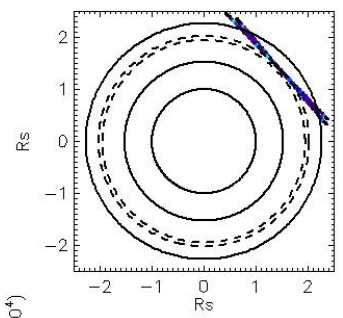
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_330_23_51_21

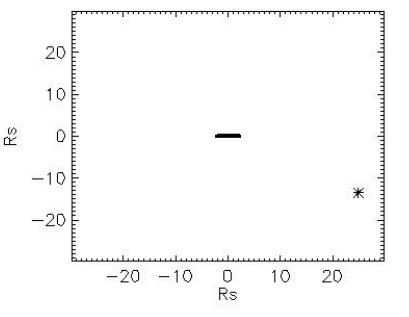
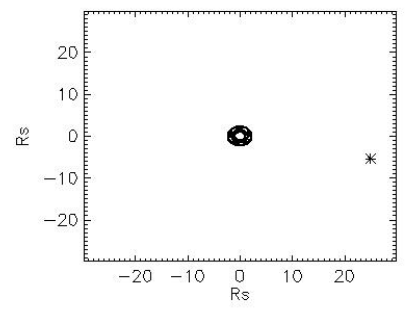
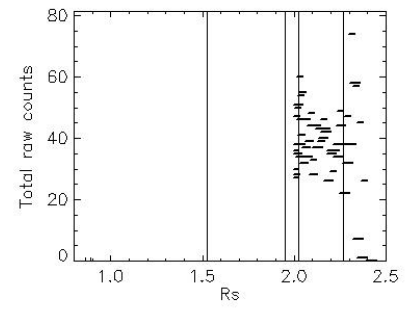
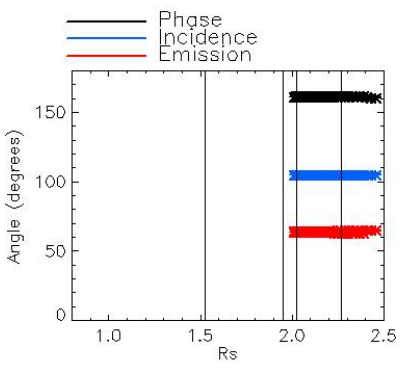
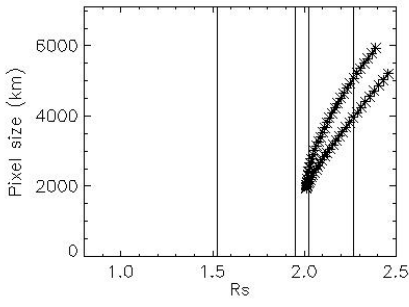
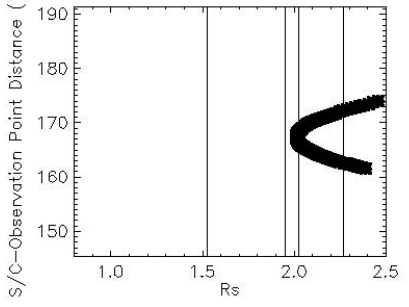
Observation Duration:
415 S

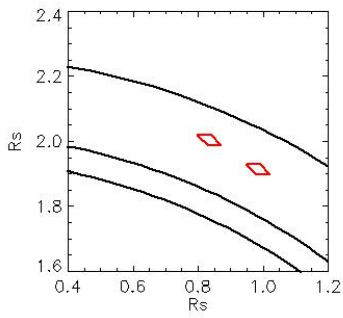
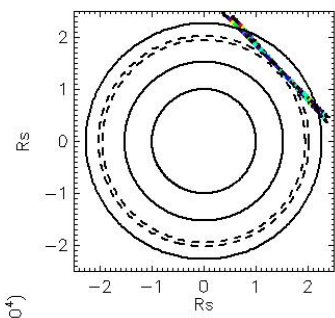
Integration time = 415 S



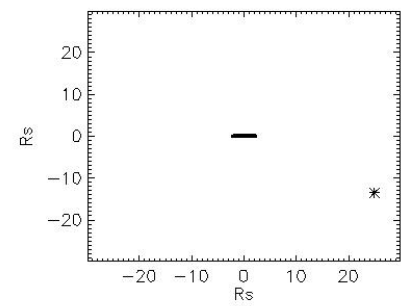
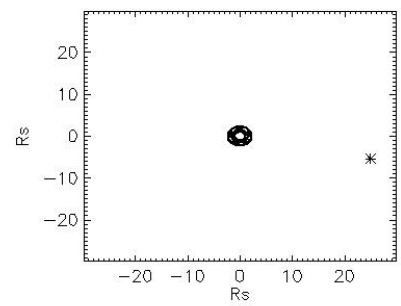
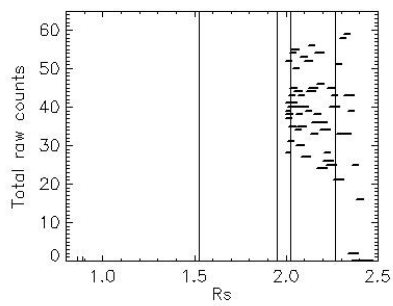
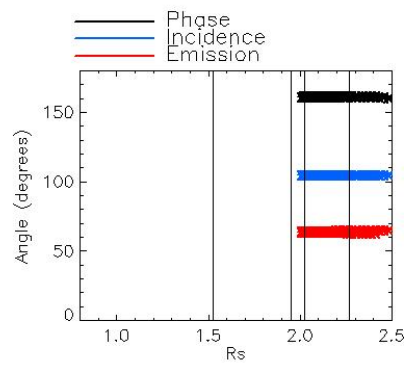
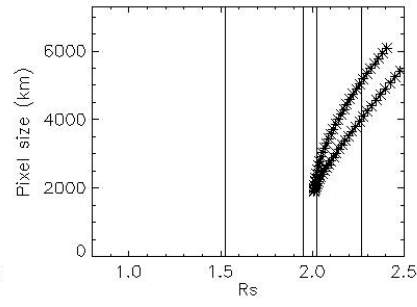
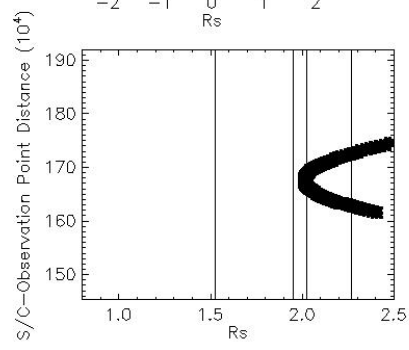


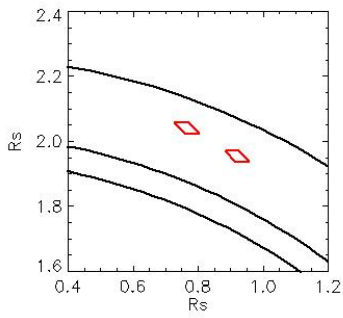
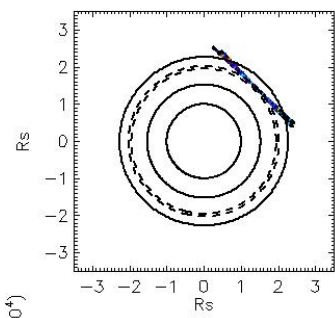
Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_00_01_56
 Observation Duration:
 415 S
 Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_00_12_38
 Observation Duration:
 415 S
 Integration time = 415 S



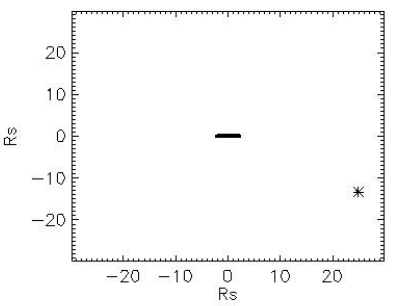
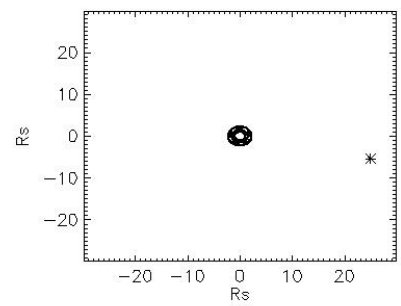
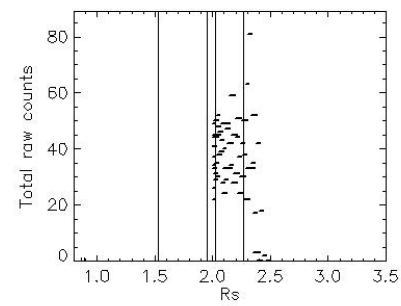
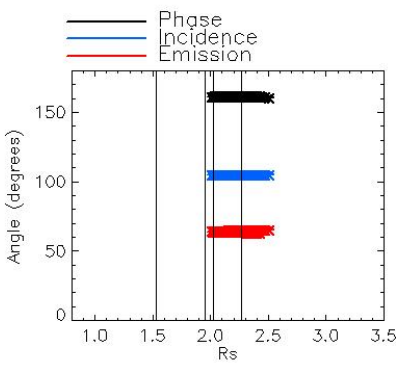
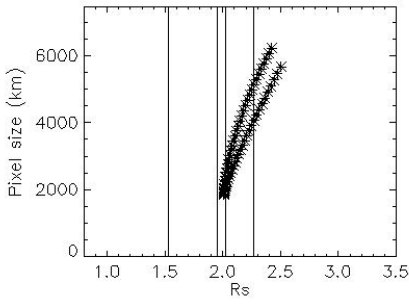
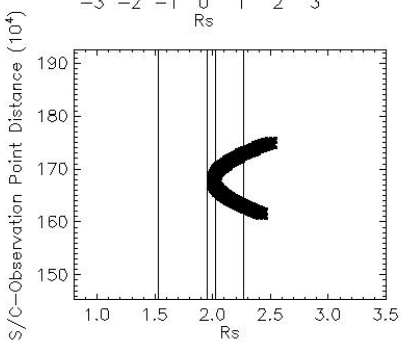


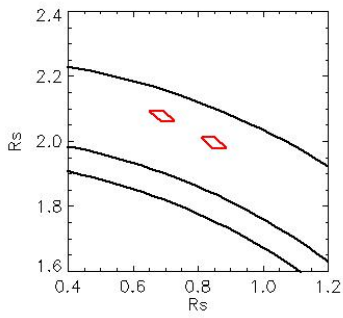
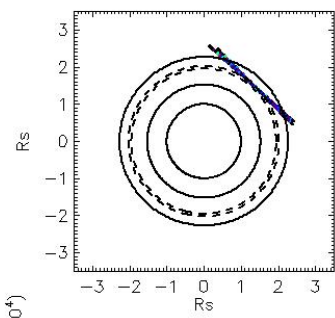
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_00_23_28

Observation Duration:
415 S

Integration time = 415 S



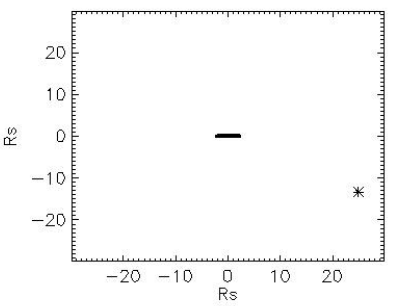
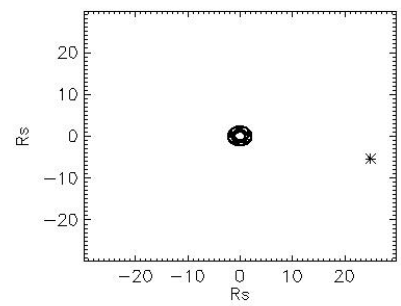
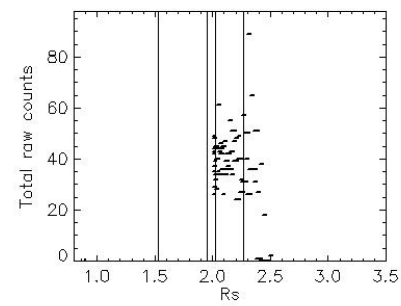
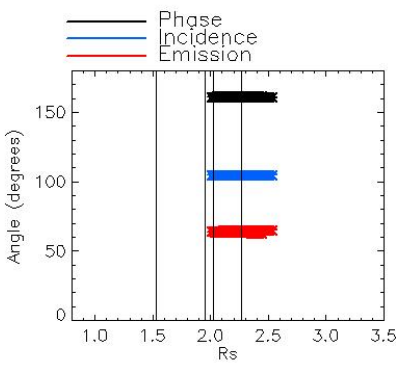
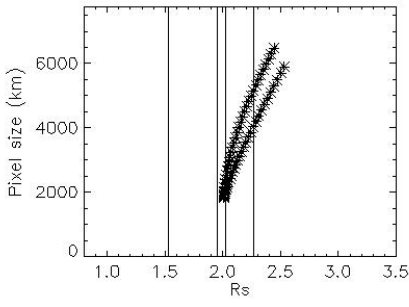
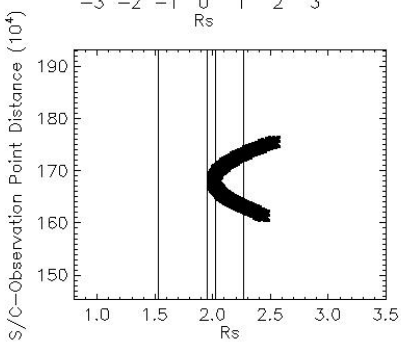


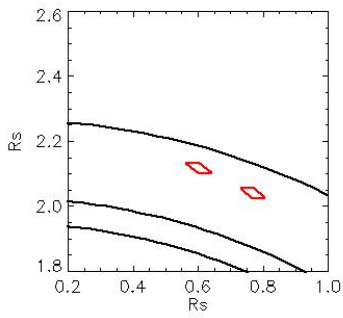
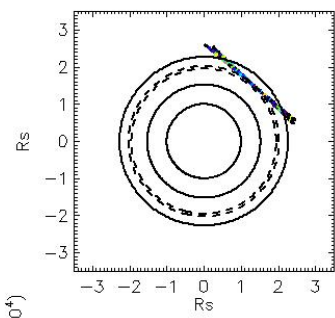
Observation Name:
UVS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_00_34_28

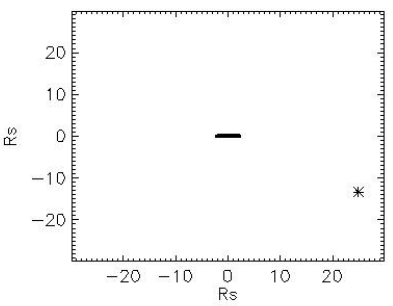
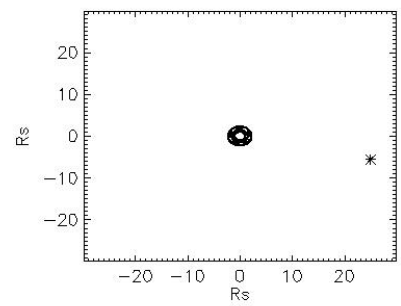
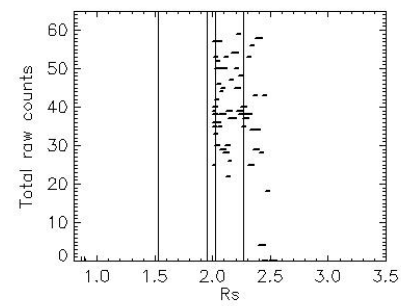
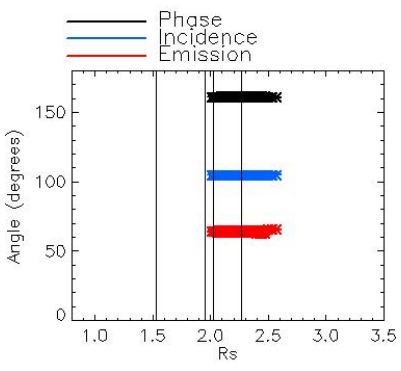
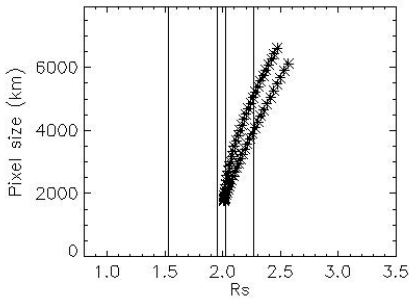
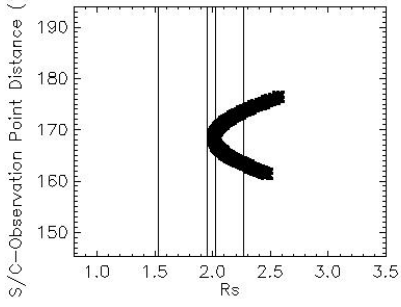
Observation Duration:
415 S

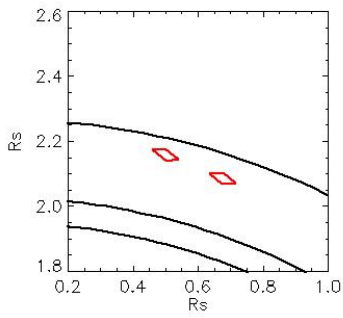
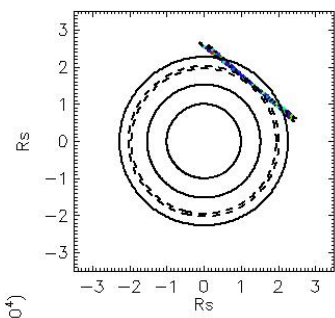
Integration time = 415 S



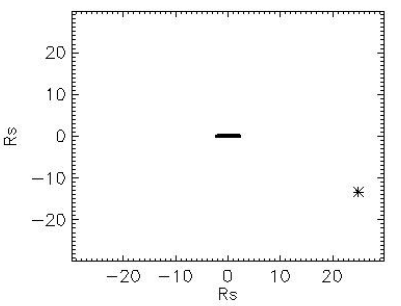
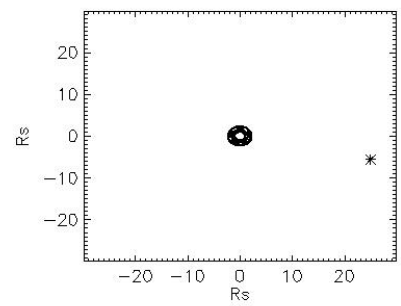
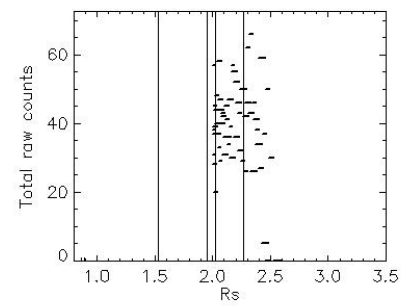
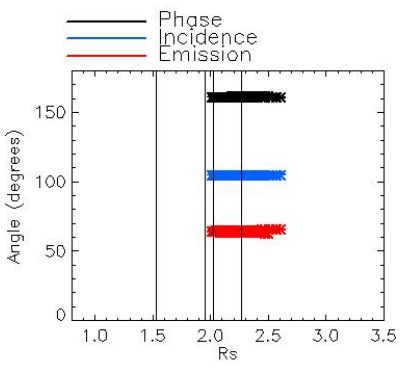
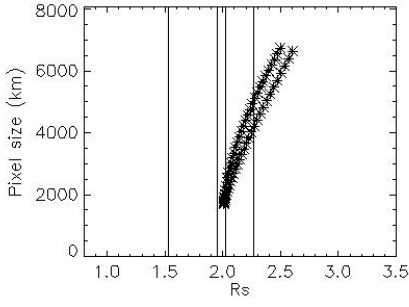
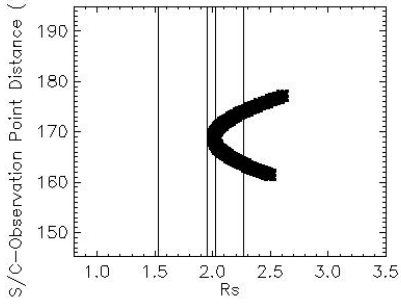


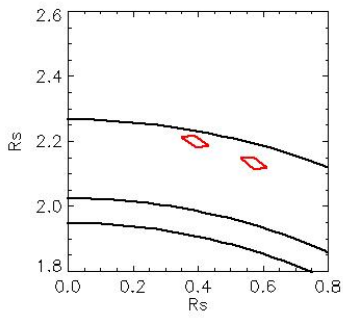
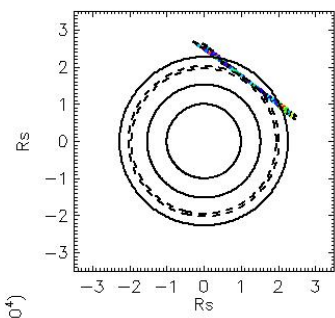
Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_00_45_38
 Observation Duration:
 415 S
 Integration time = 415 S



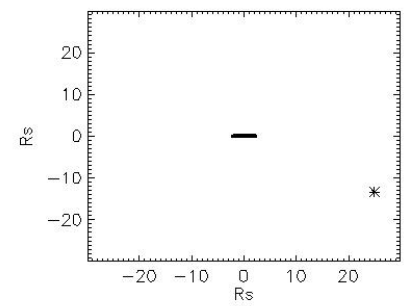
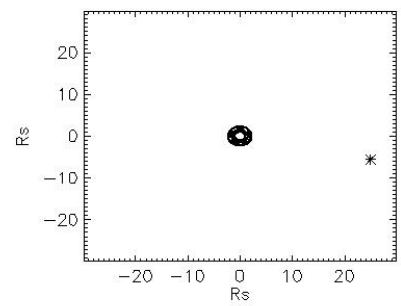
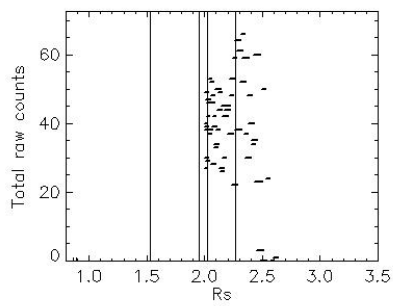
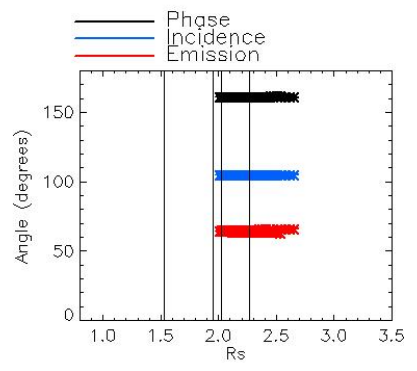
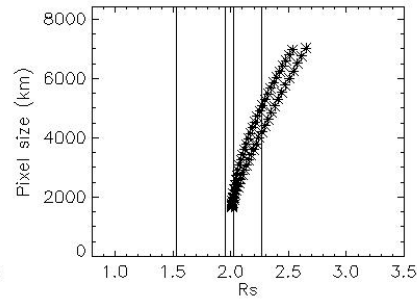
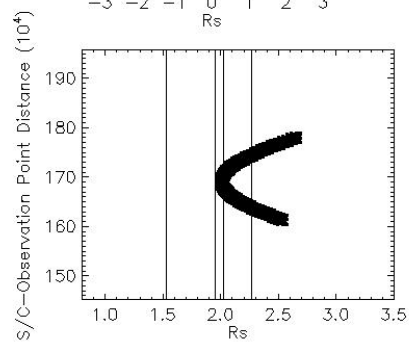


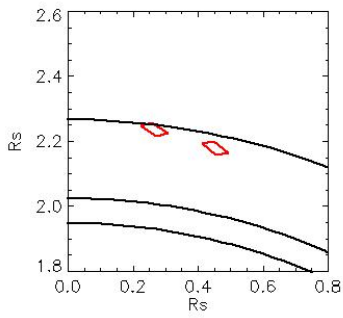
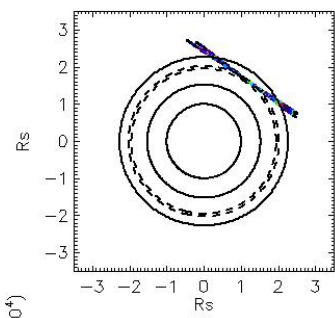
Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_00_57_01
 Observation Duration:
 415 S
 Integration time = 415 S



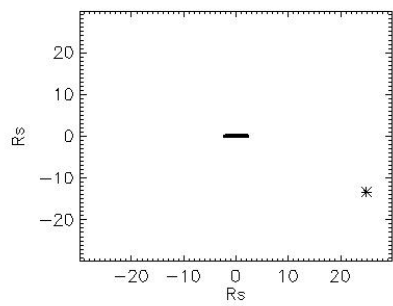
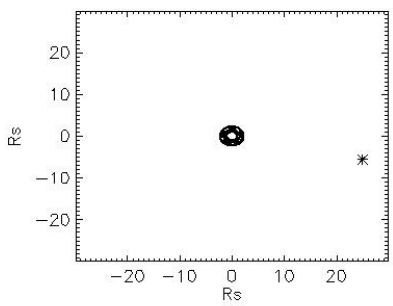
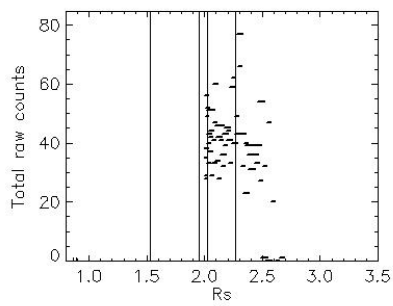
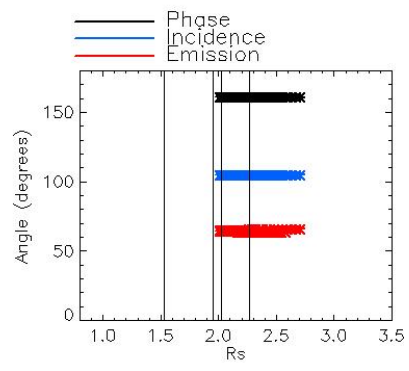
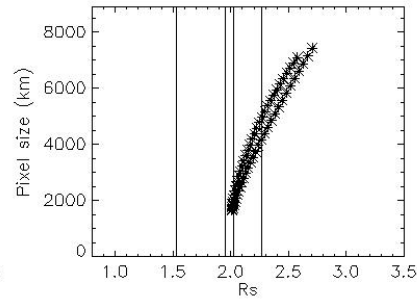
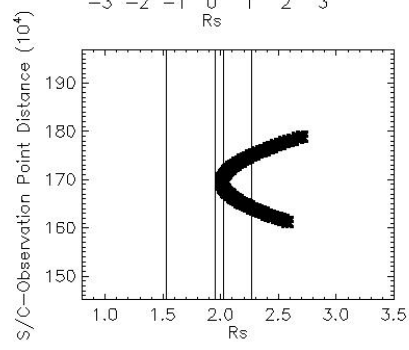


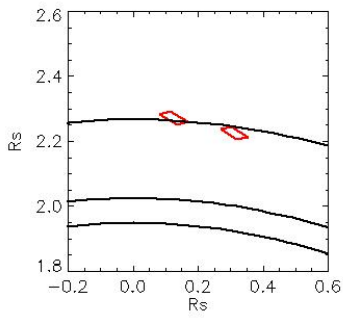
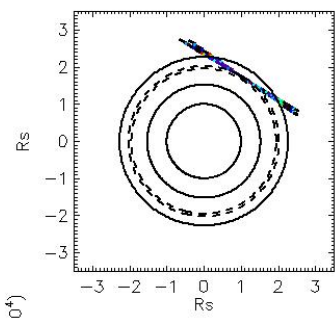
Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_01_08_38
 Observation Duration:
 415 S
 Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_01_20_32
 Observation Duration:
 415 S
 Integration time = 415 S





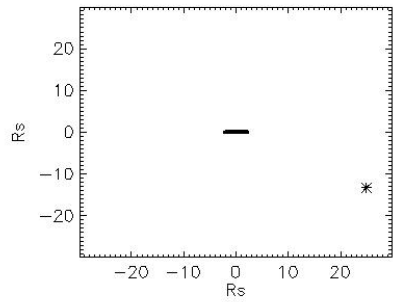
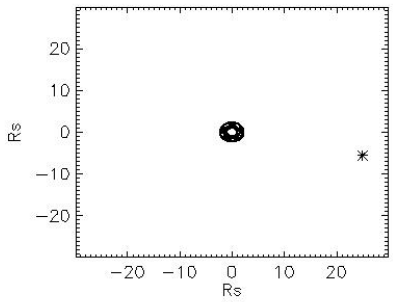
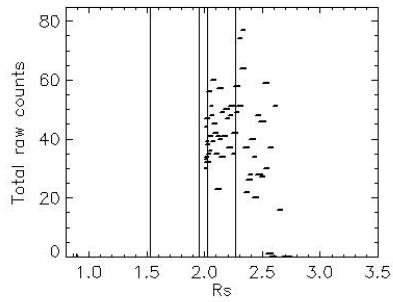
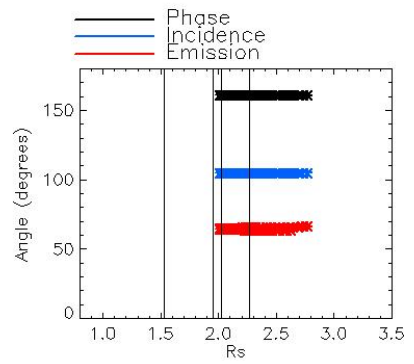
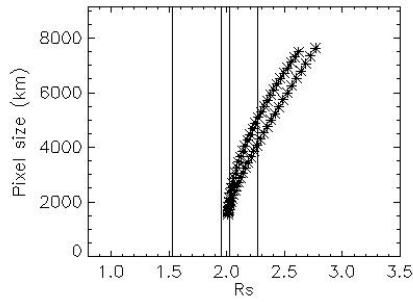
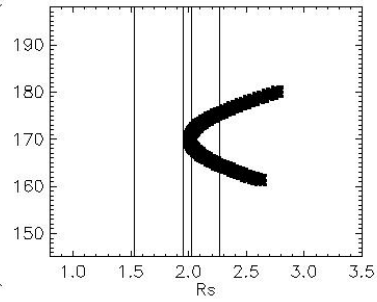
Observation Name:
UMS_033RLAZDKMRPH001_JSS

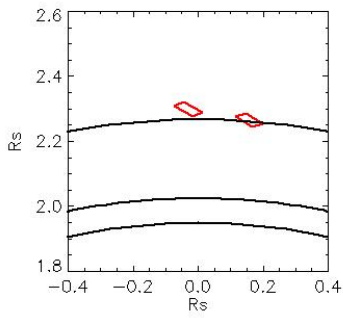
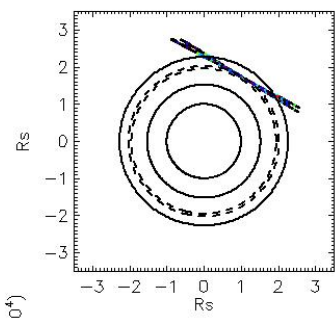
Observation Date:
2006_331_01_32_44

Observation Duration:
415 S

Integration time = 415 S

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



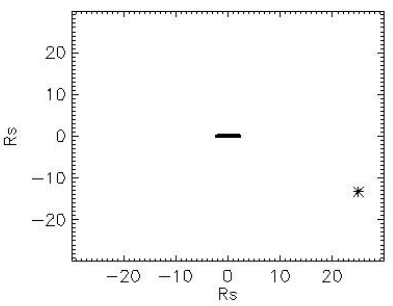
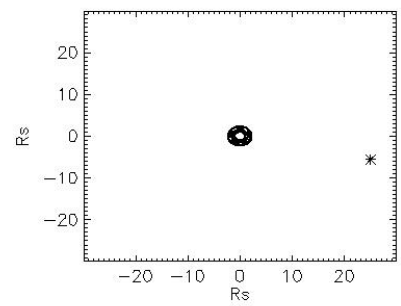
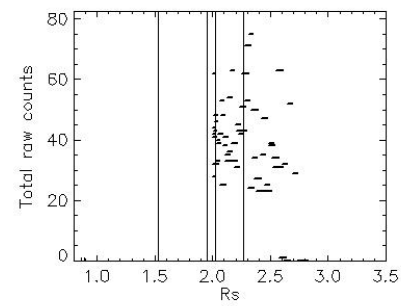
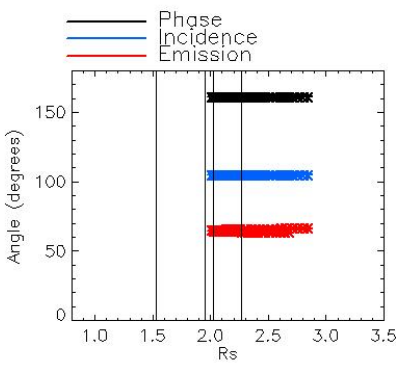
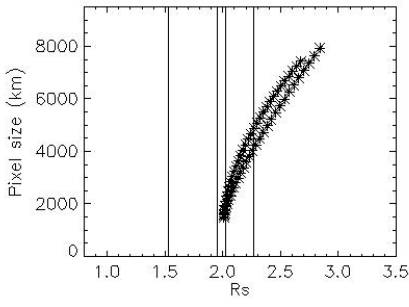
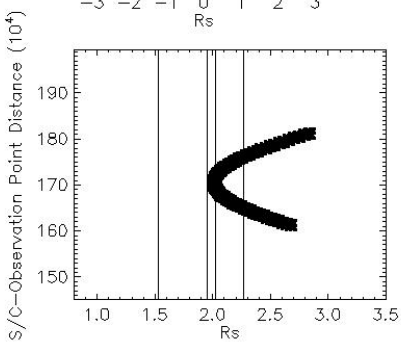


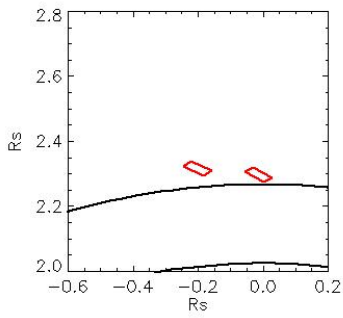
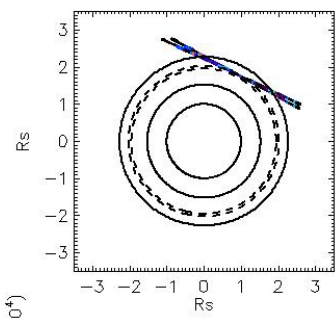
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_01_45_17

Observation Duration:
415 S

Integration time = 415 S



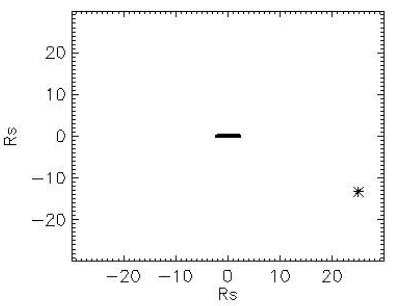
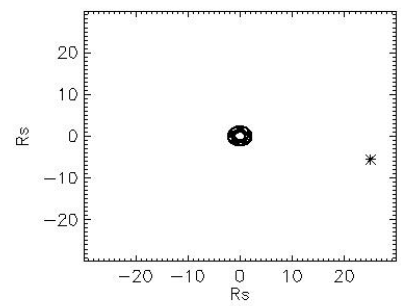
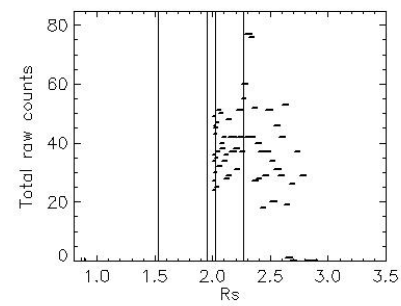
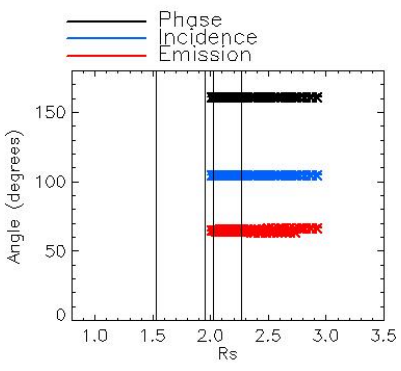
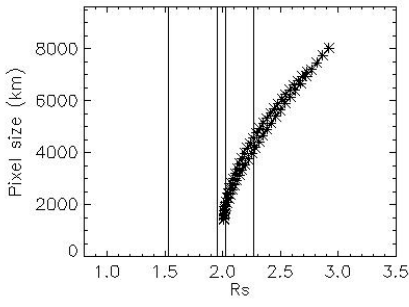
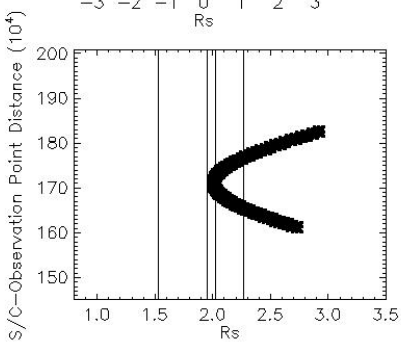


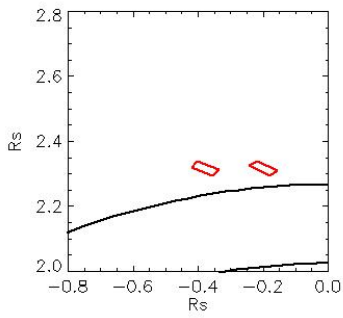
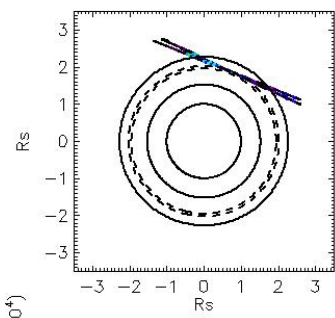
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_331_01_58_11

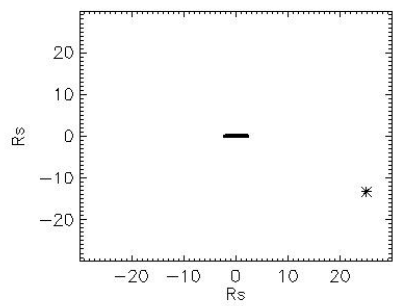
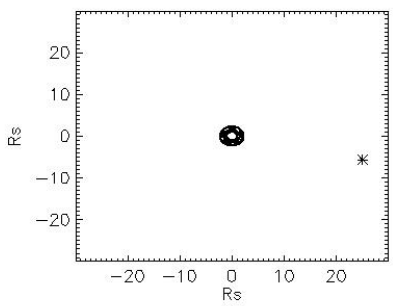
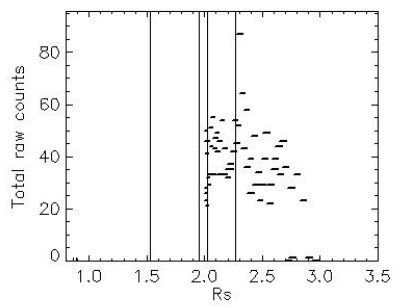
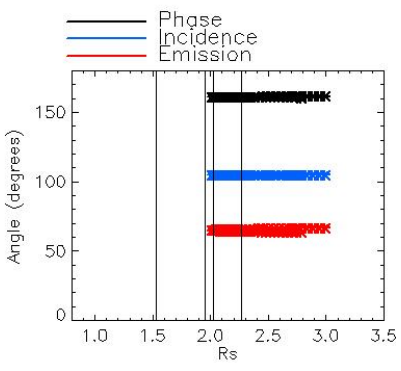
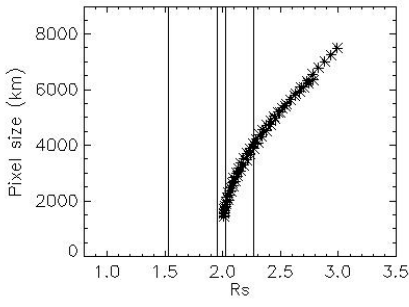
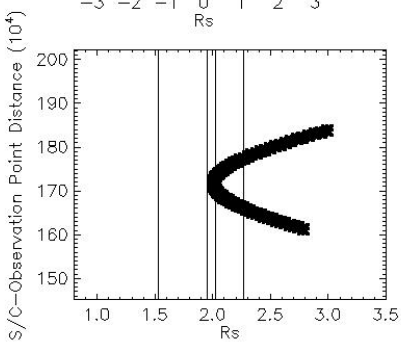
Observation Duration:
415 S

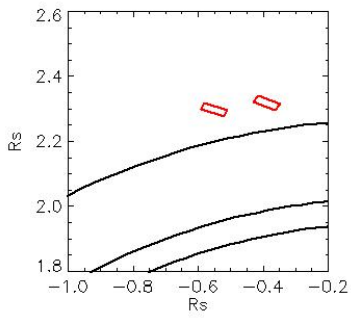
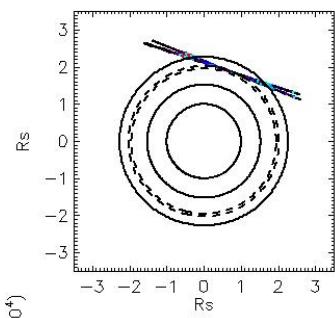
Integration time = 415 S



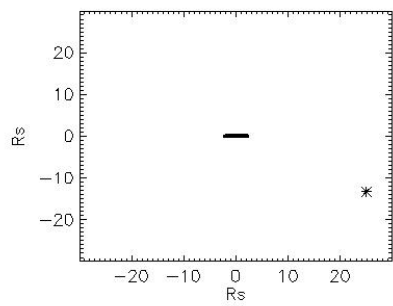
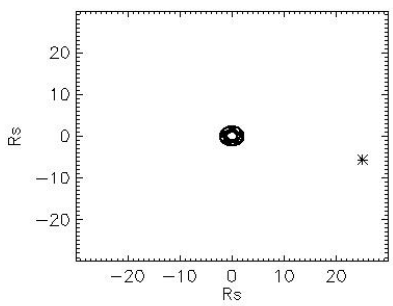
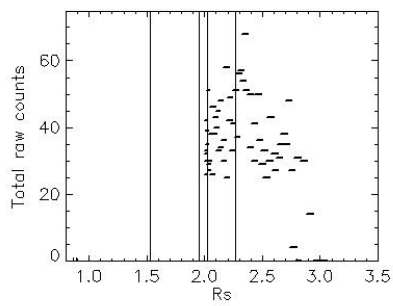
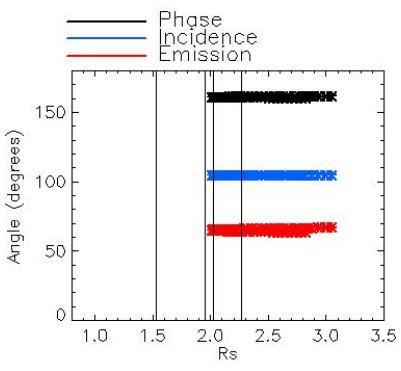
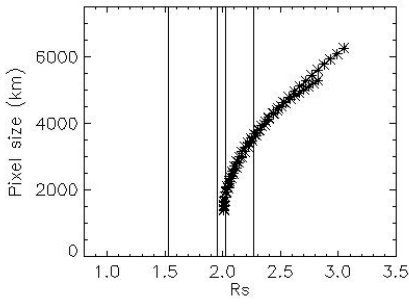
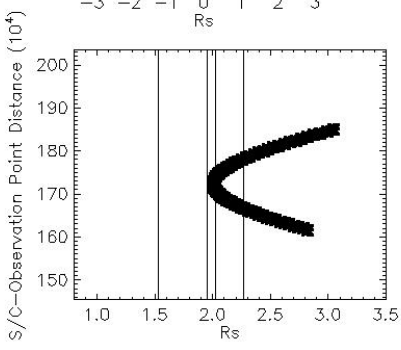


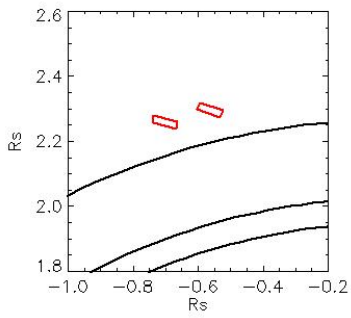
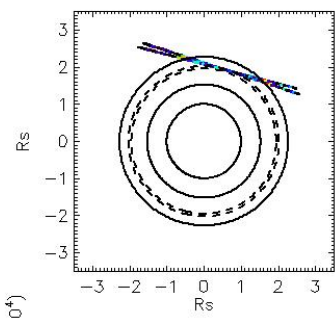
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_02_11_23
 Observation Duration:
 415 S
 Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_02_24_49
 Observation Duration:
 415 S
 Integration time = 415 S



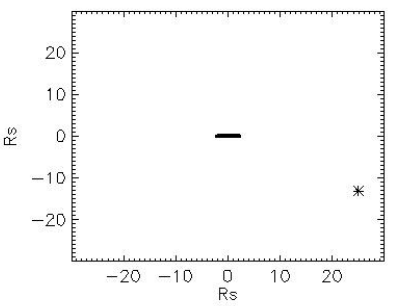
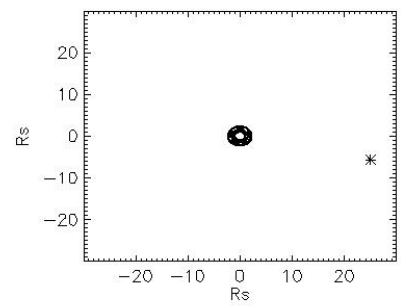
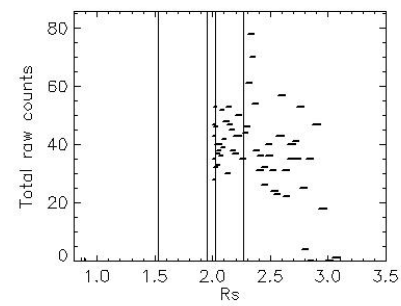
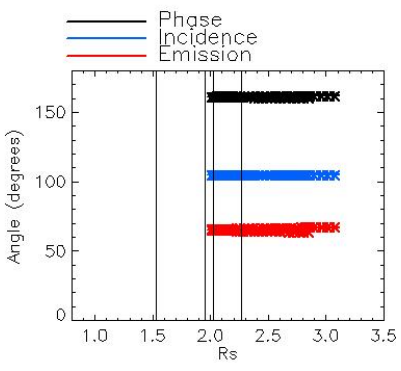
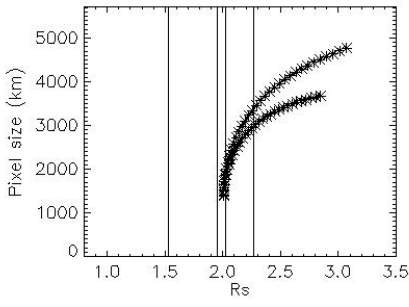
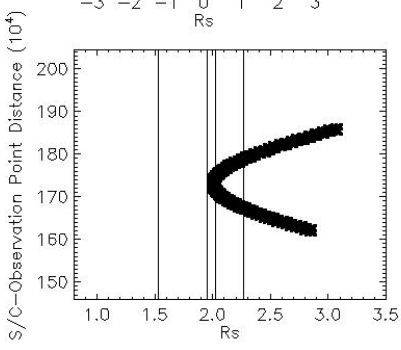


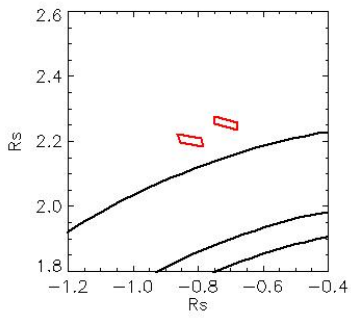
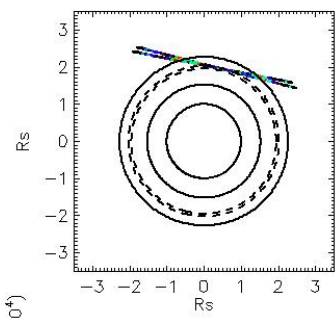
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_02_38_20

Observation Duration:
415 S

Integration time = 415 S



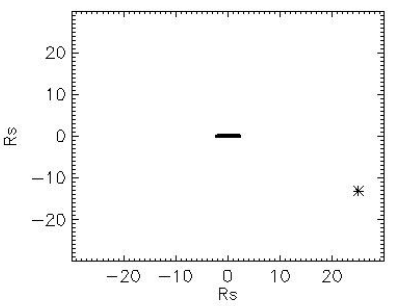
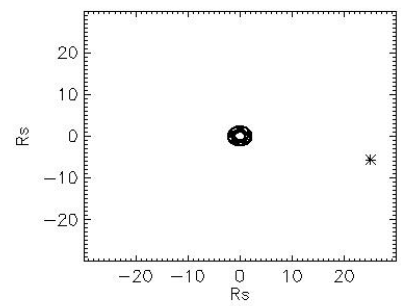
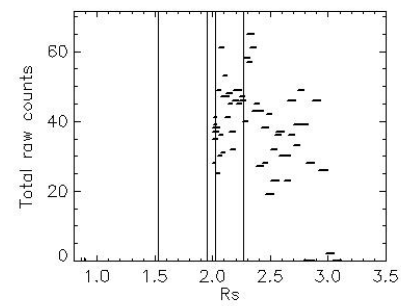
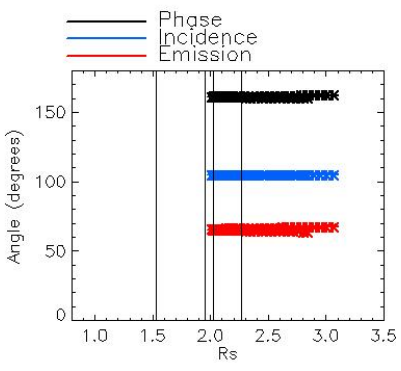
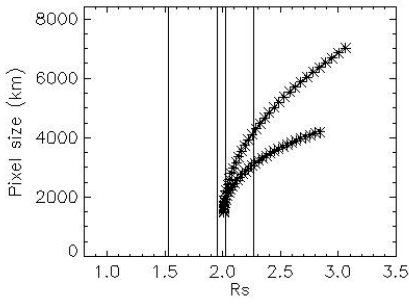
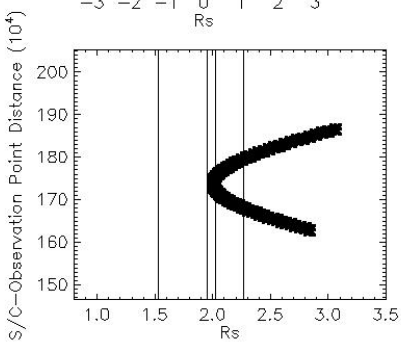


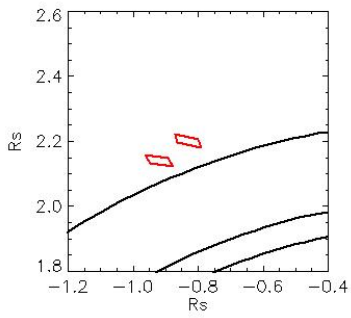
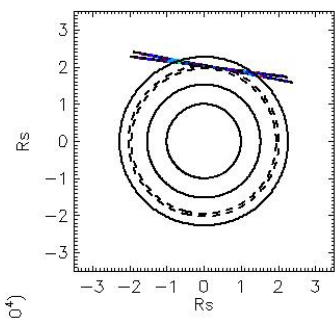
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_331_02_51_49

Observation Duration:
415 S

Integration time = 415 S



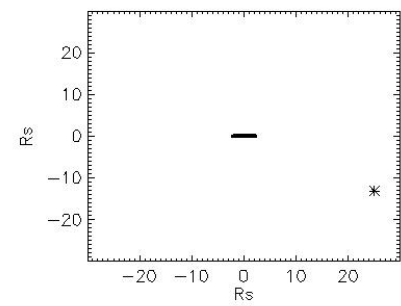
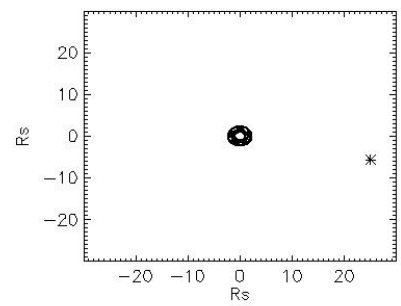
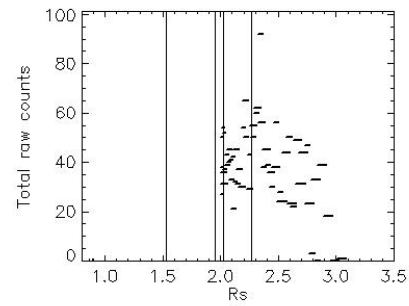
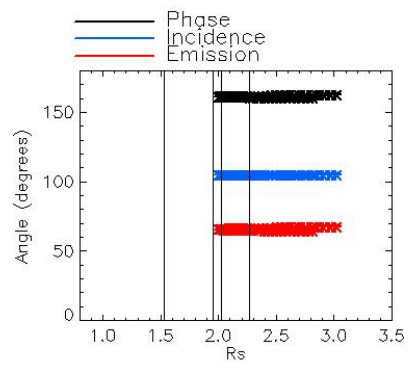
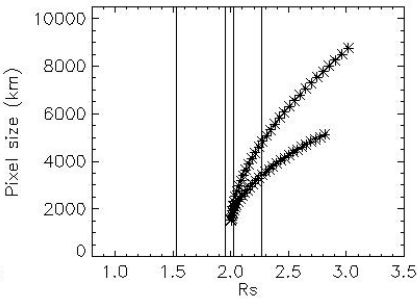
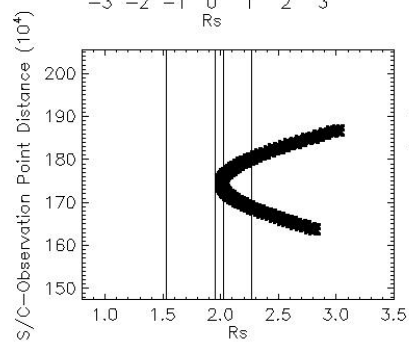


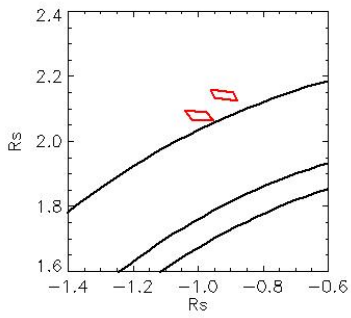
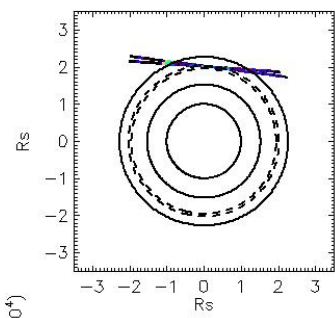
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_331_03_05_07

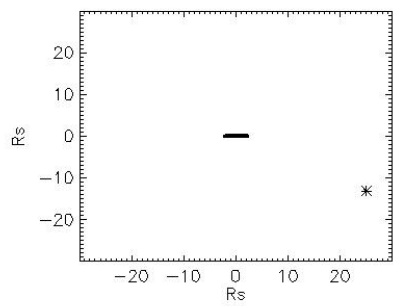
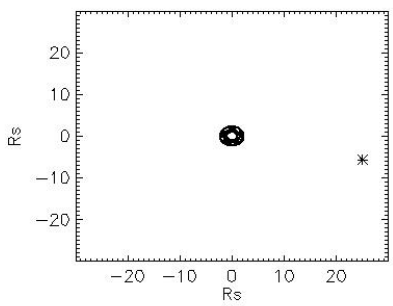
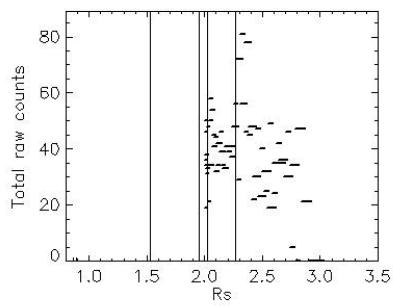
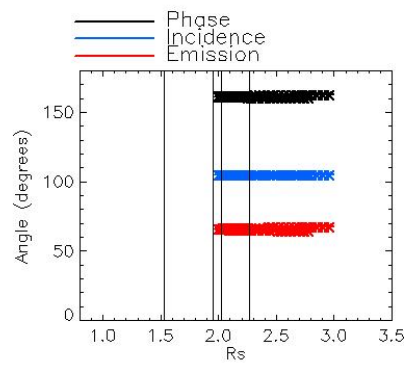
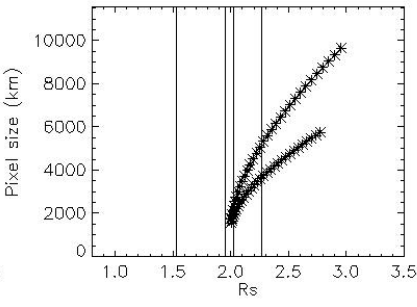
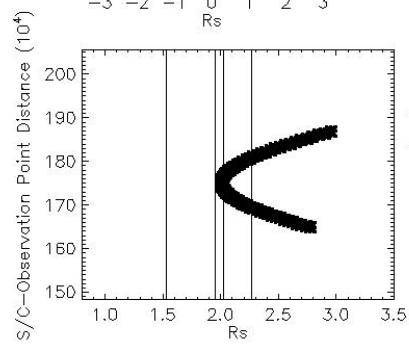
Observation Duration:
415 S

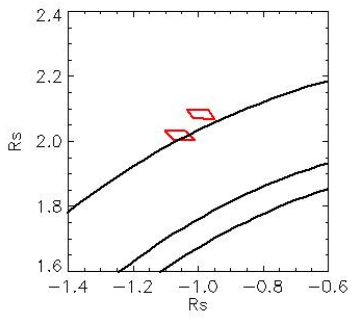
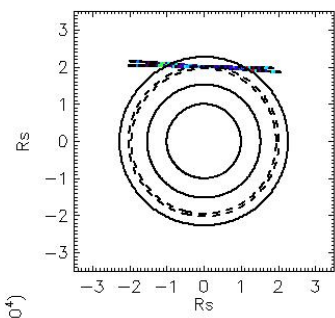
Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_03_18_07
 Observation Duration:
 415 S
 Integration time = 415 S



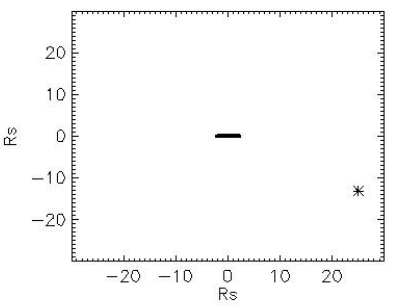
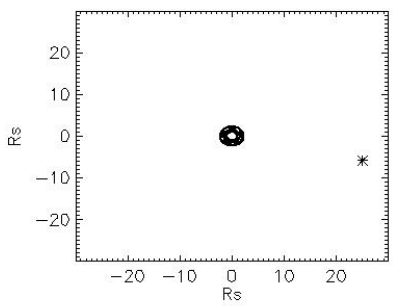
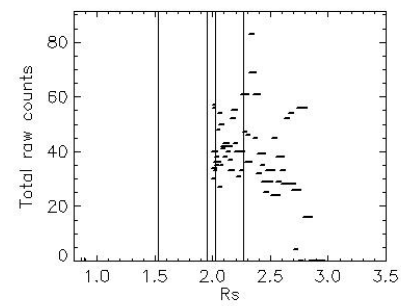
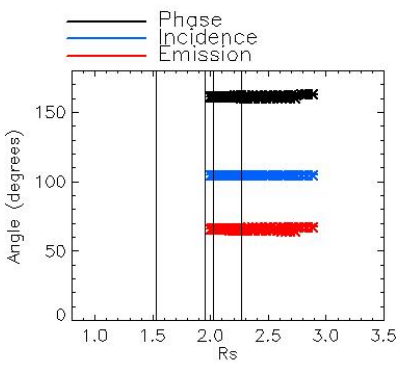
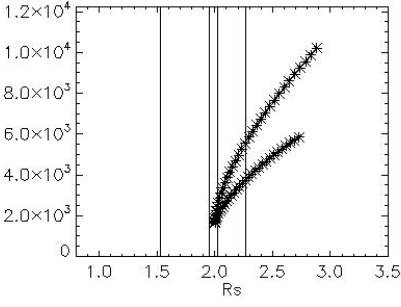
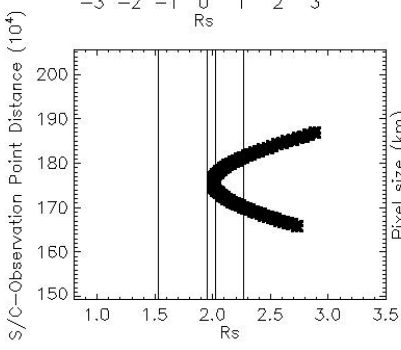


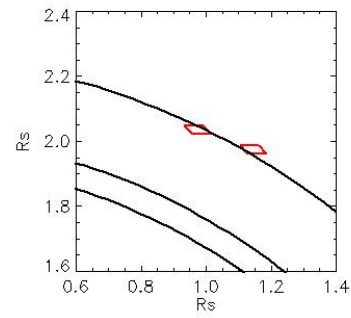
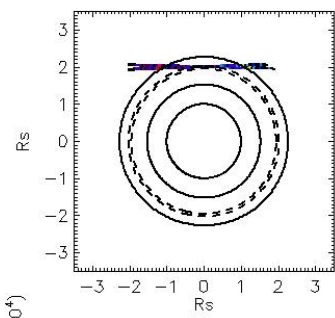
Observation Name:
UVS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_03_30_46

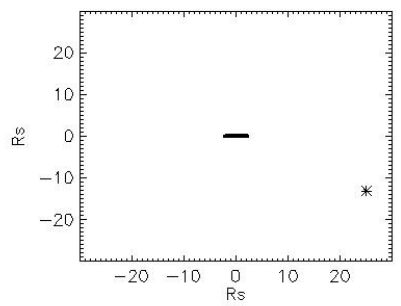
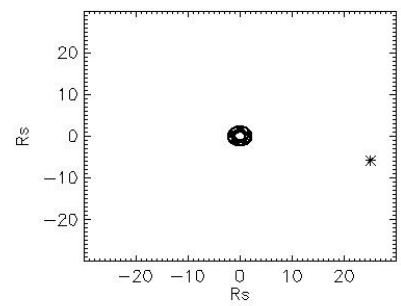
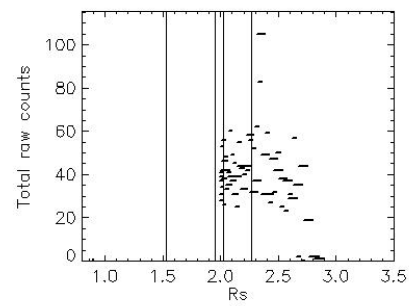
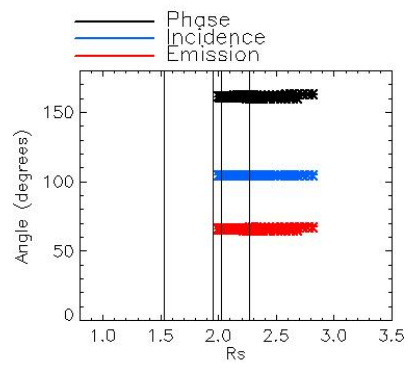
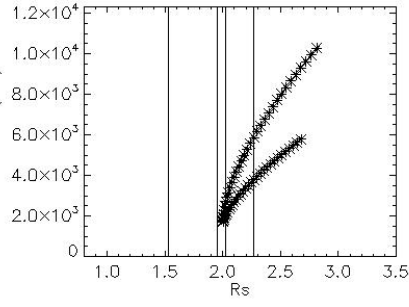
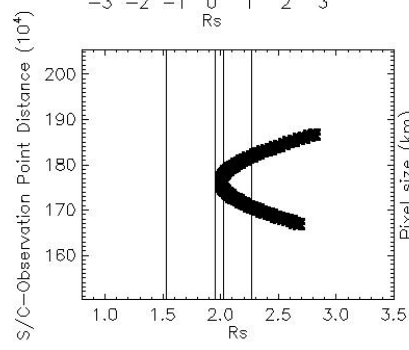
Observation Duration:
415 S

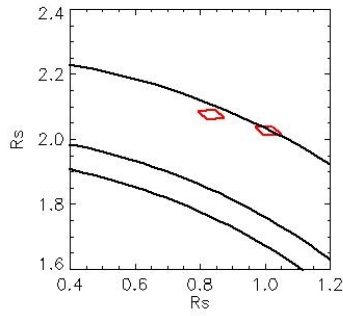
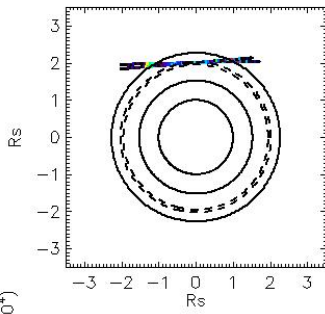
Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_03_43_03
 Observation Duration:
 415 S
 Integration time = 415 S



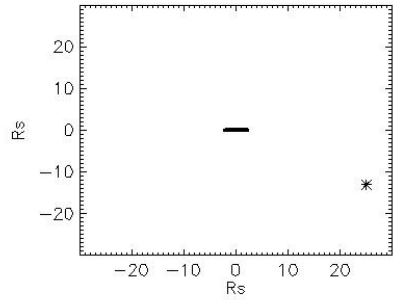
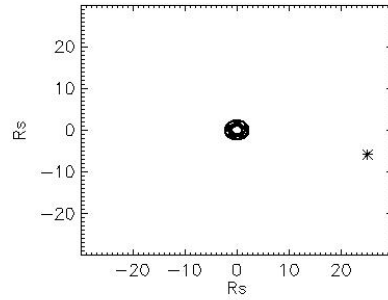
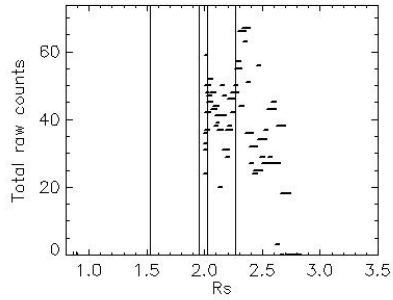
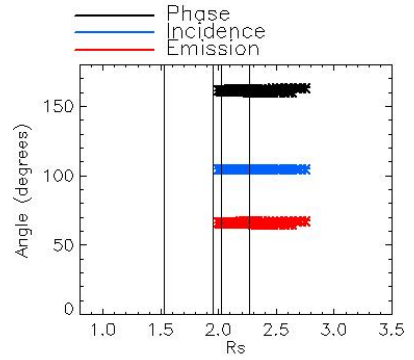
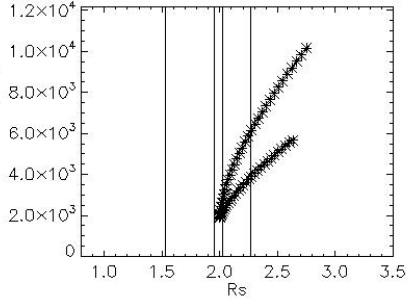
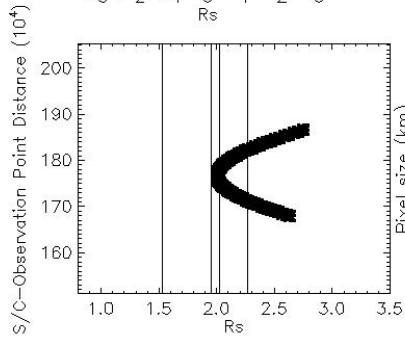


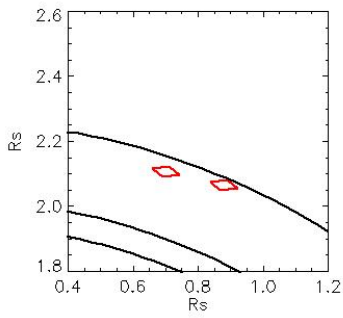
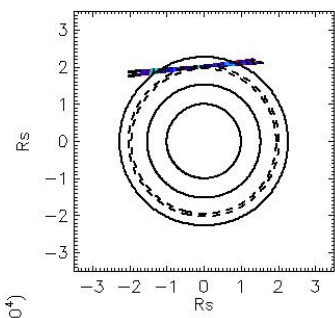
Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_331_03_55_00

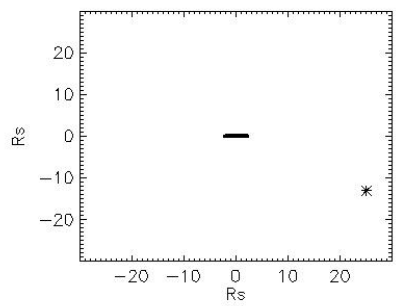
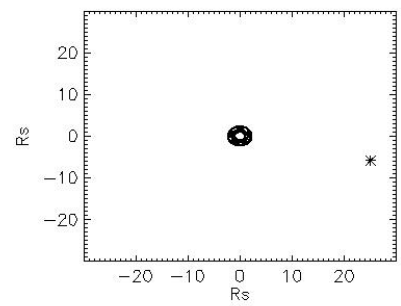
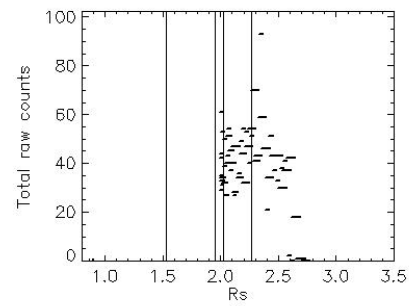
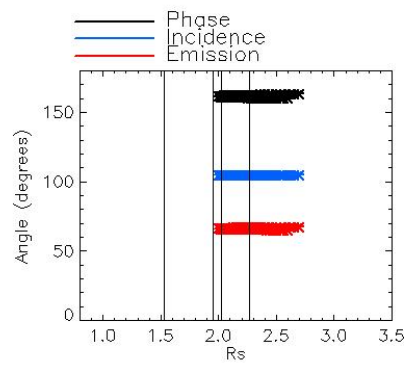
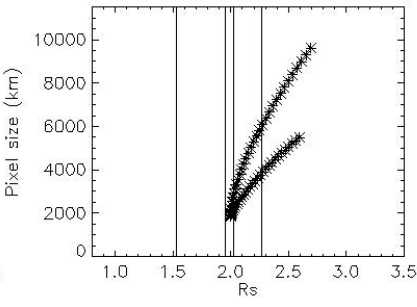
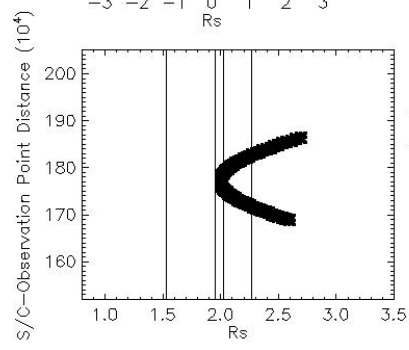
Observation Duration:
415 S

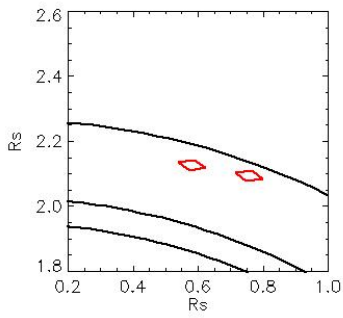
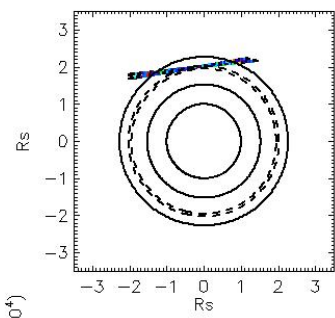
Integration time = 415 S



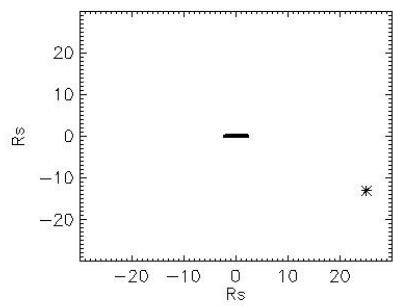
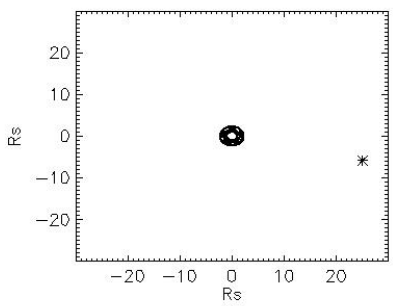
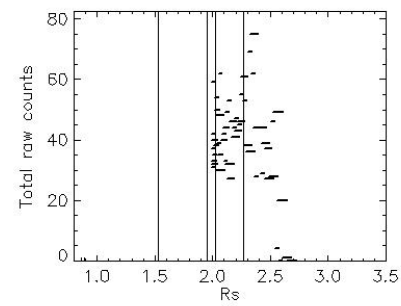
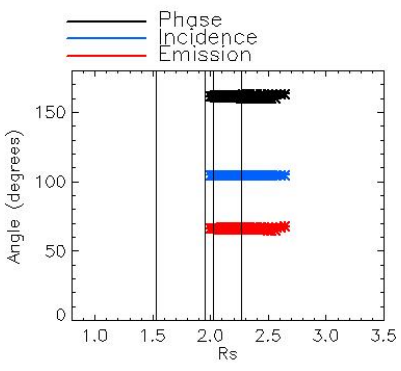
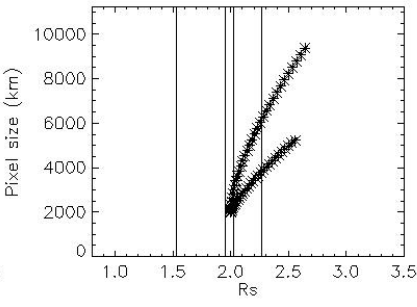
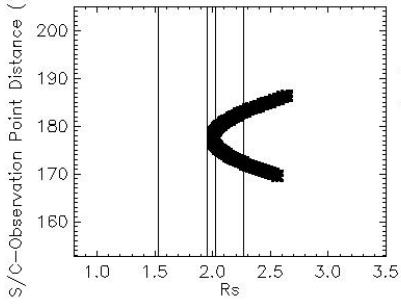


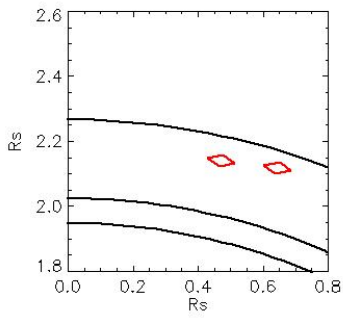
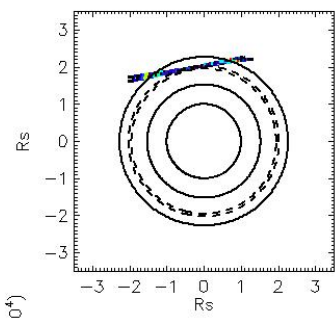
Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_04_06_38
 Observation Duration:
 415 S
 Integration time = 415 S



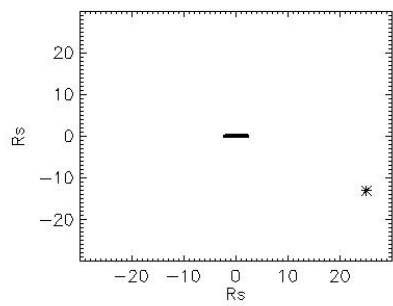
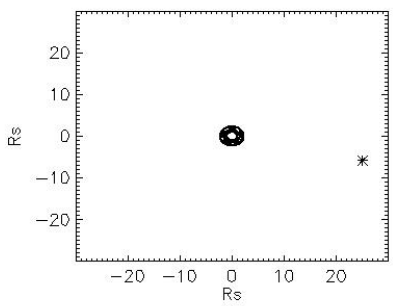
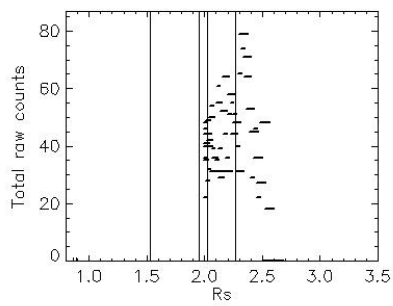
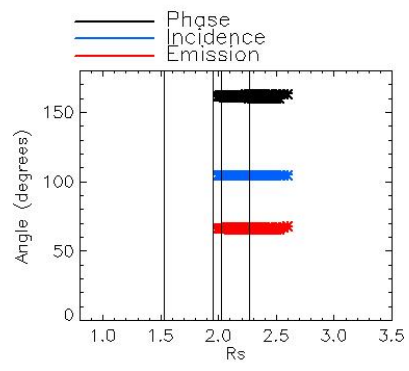
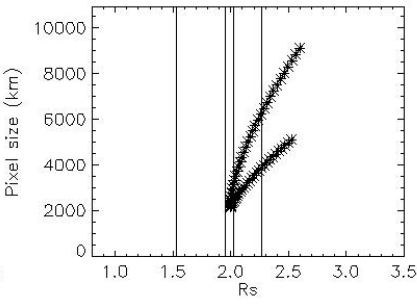
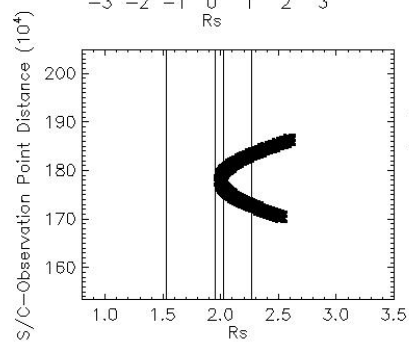


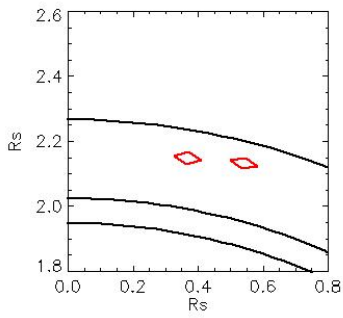
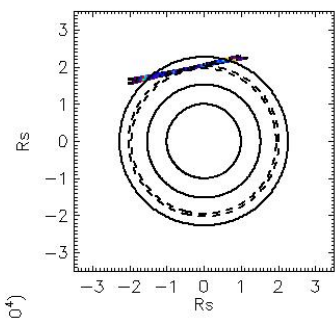
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_04_18_00
 Observation Duration:
 415 S
 Integration time = 415 S



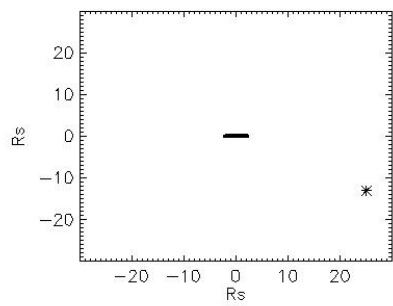
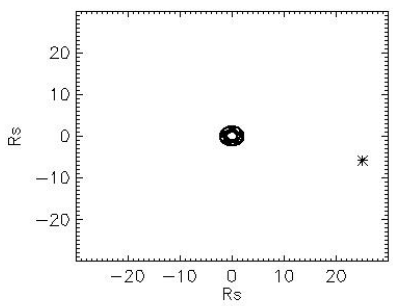
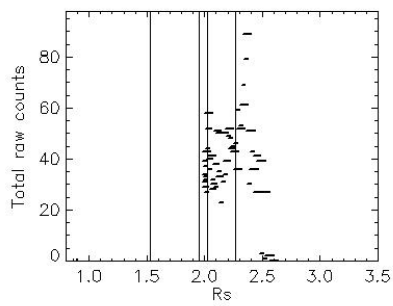
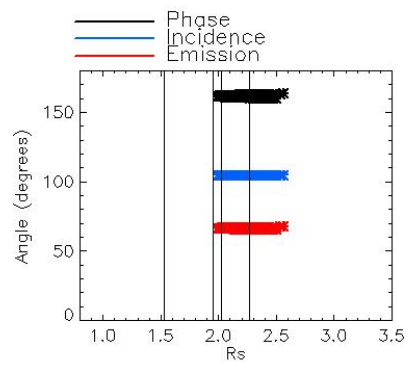
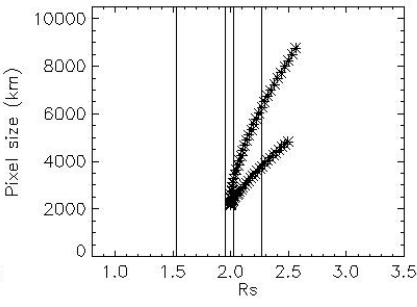
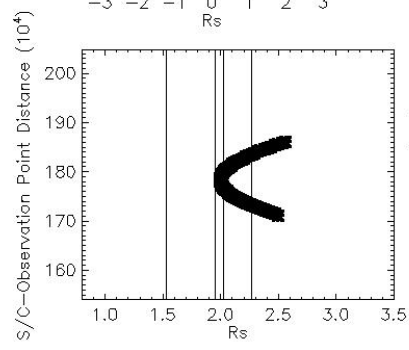


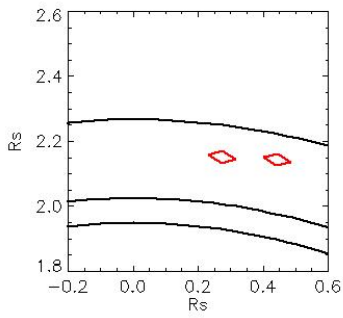
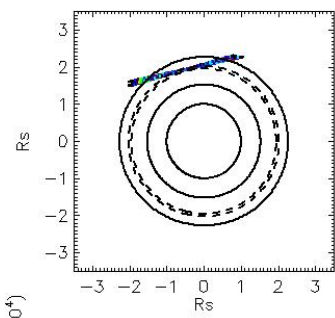
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_04_29_08
 Observation Duration:
 415 S
 Integration time = 415 S



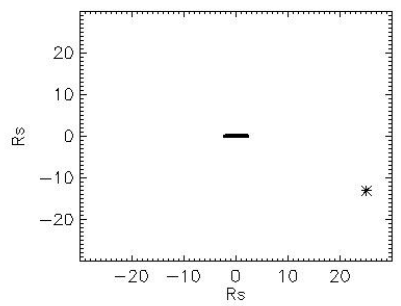
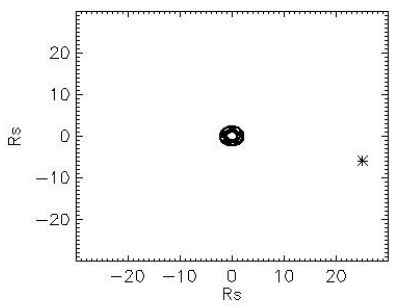
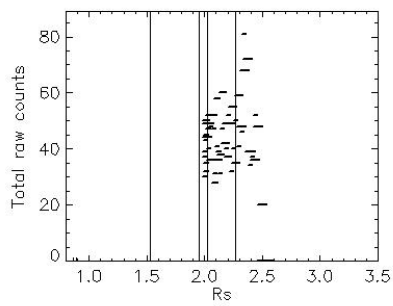
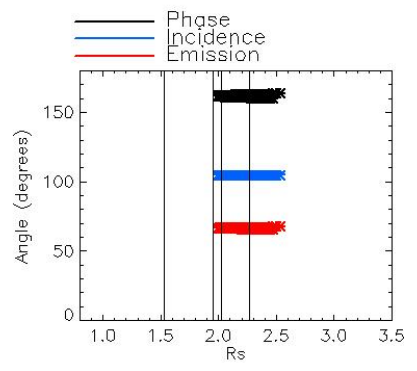
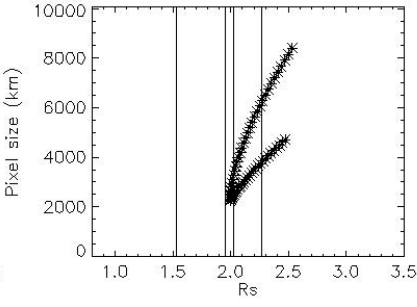
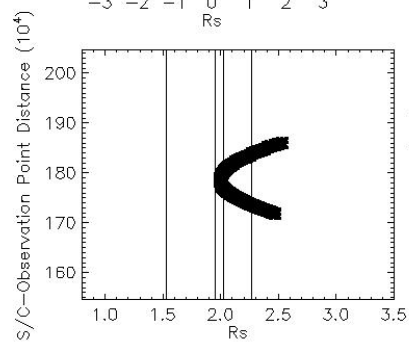


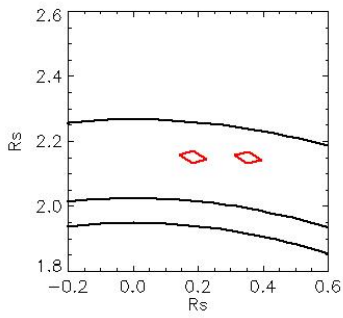
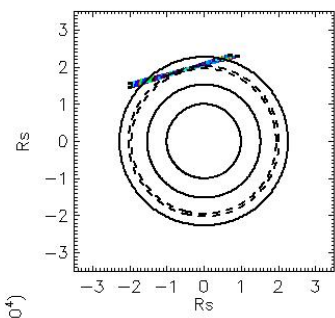
Observation Name:
 UVS_033RLAZDKMRPH001_ISS
 Observation Date:
 2006_331_04_40_03
 Observation Duration:
 415 S
 Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_04_50_47
 Observation Duration:
 415 S
 Integration time = 415 S



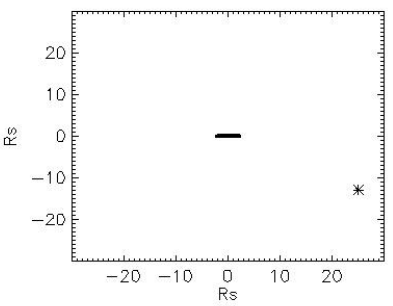
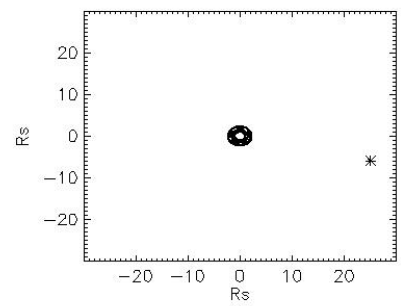
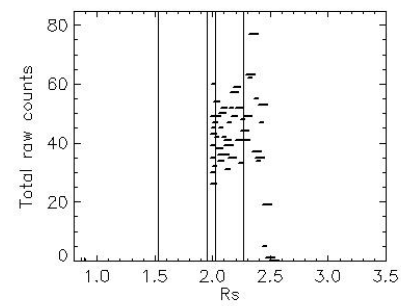
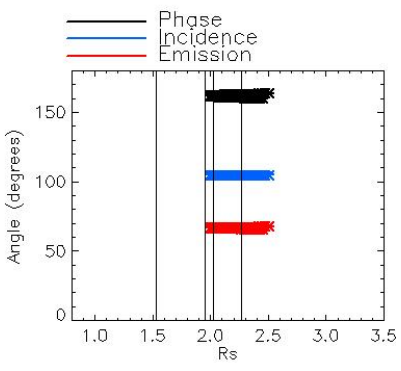
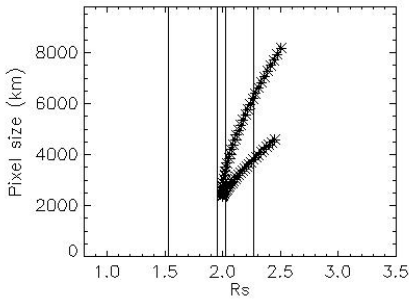
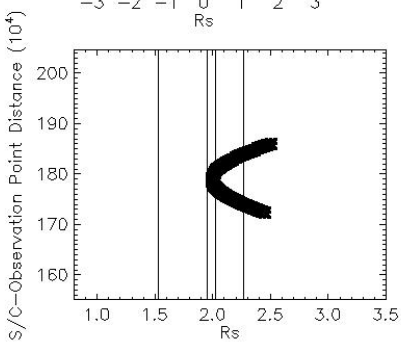


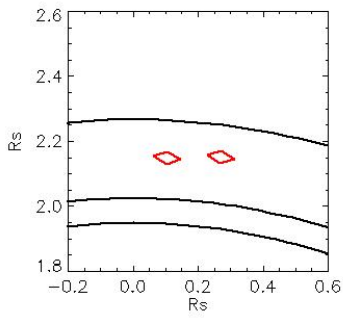
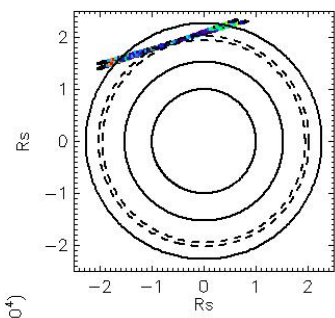
Observation Name:
UVS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_05_01_22

Observation Duration:
415 S

Integration time = 415 S





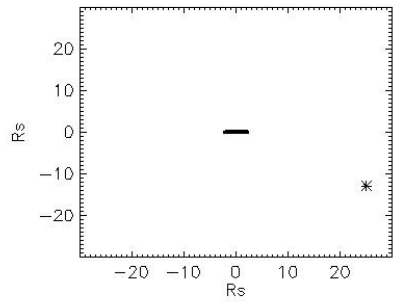
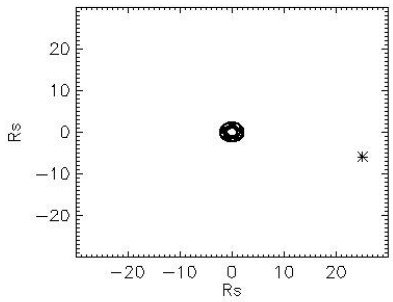
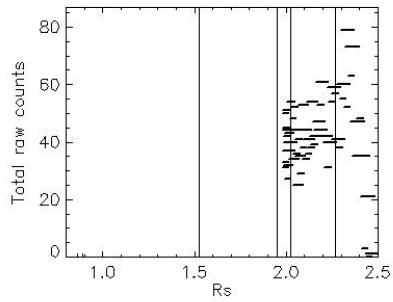
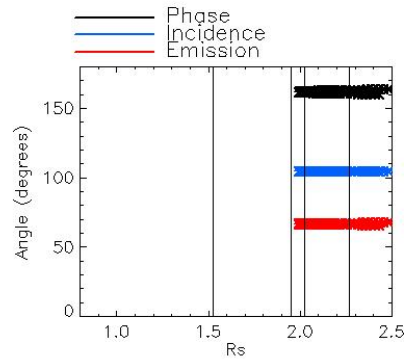
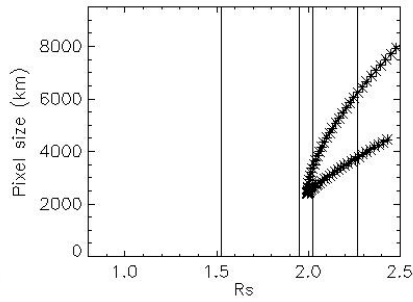
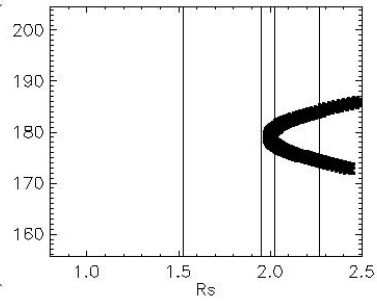
Observation Name:
UMS_033RLAZDKMRPH001_JSS

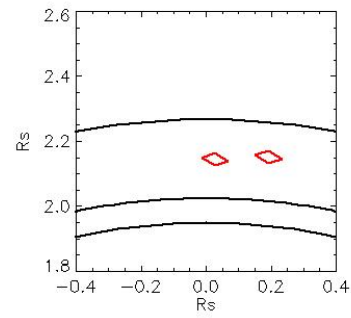
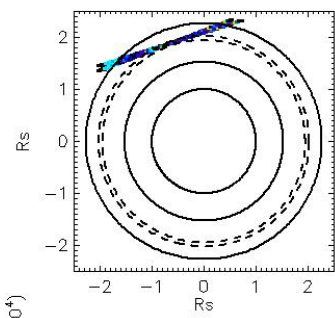
Observation Date:
2006_331_05_11_49

Observation Duration:
415 S

Integration time = 415 S

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



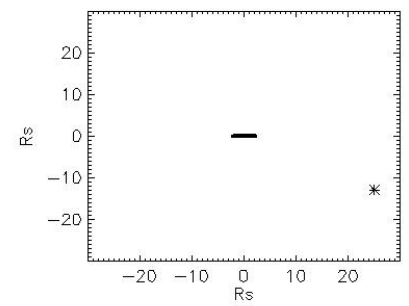
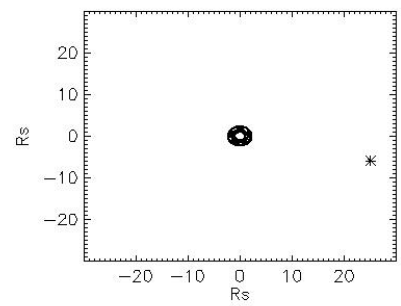
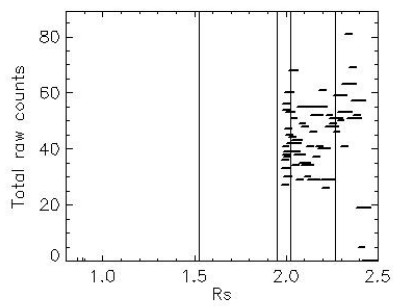
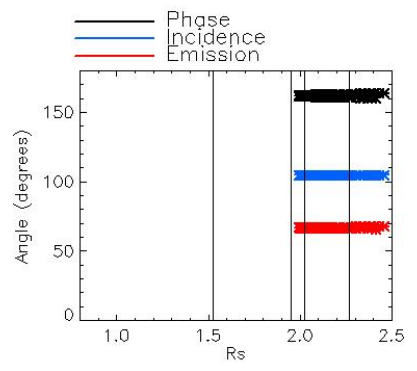
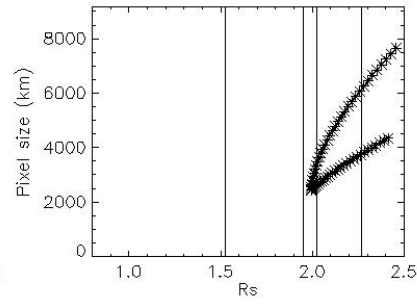
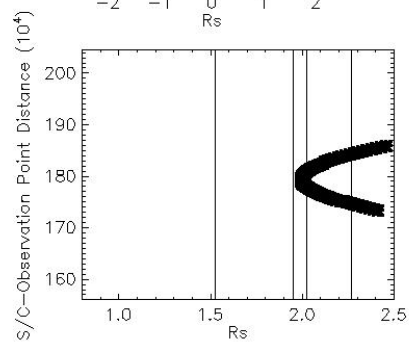


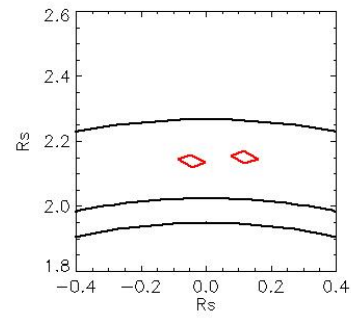
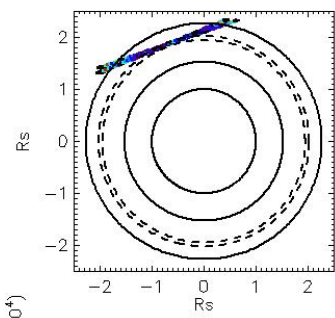
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_05_22_08

Observation Duration:
415 S

Integration time = 415 S



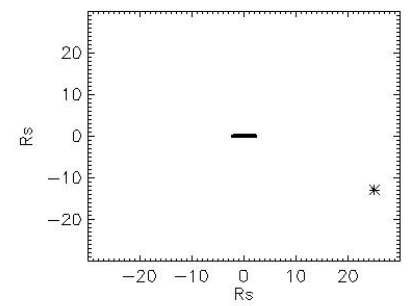
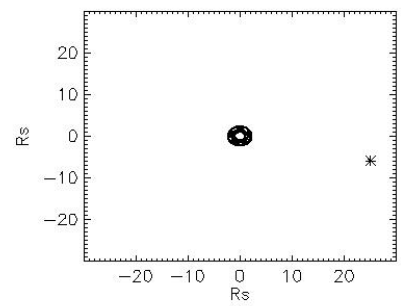
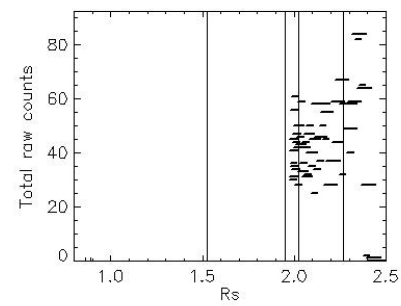
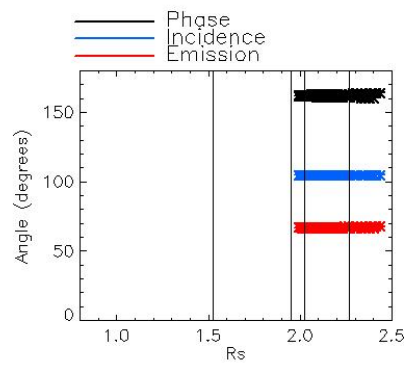
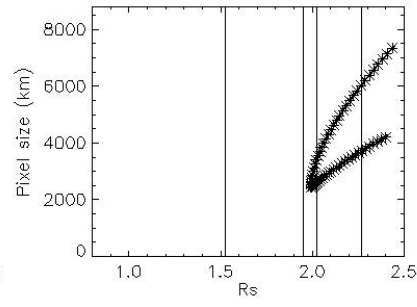
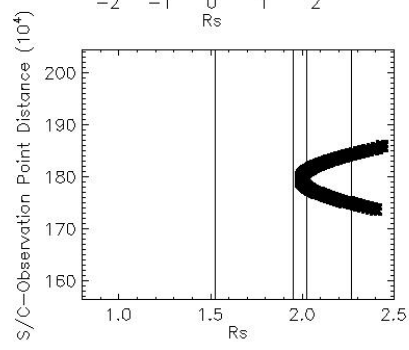


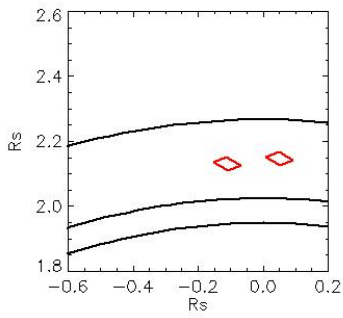
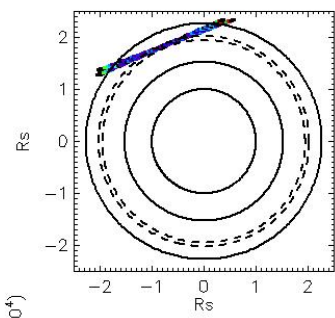
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_05_32_21

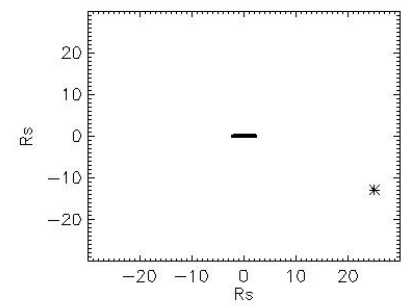
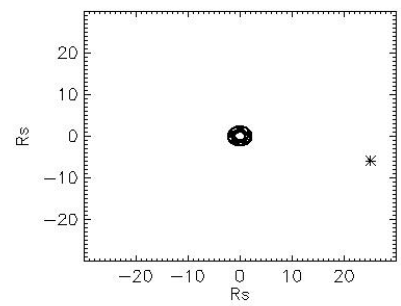
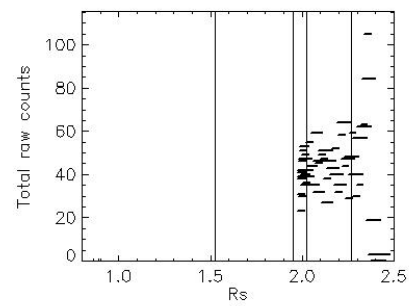
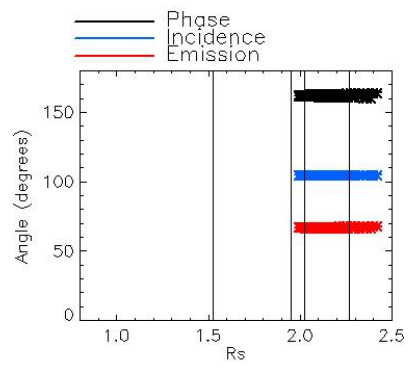
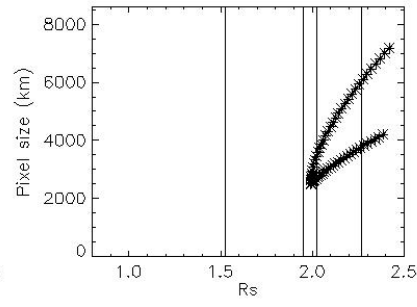
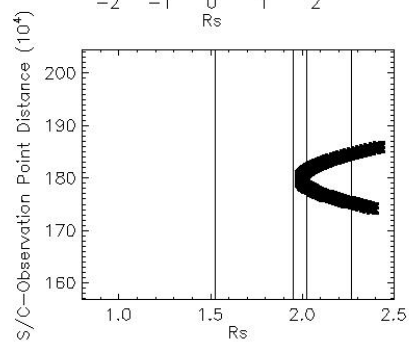
Observation Duration:
415 S

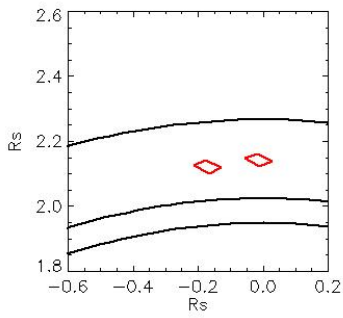
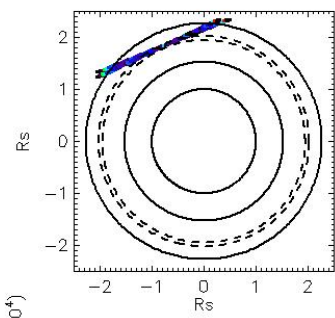
Integration time = 415 S



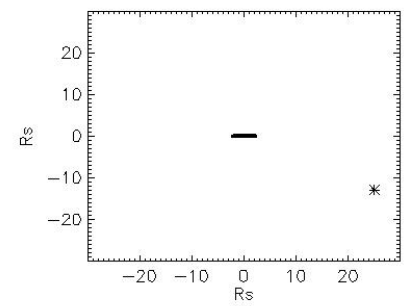
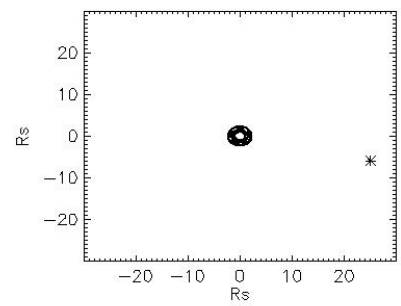
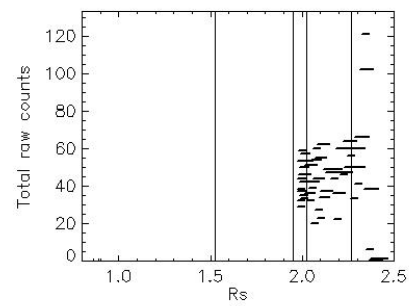
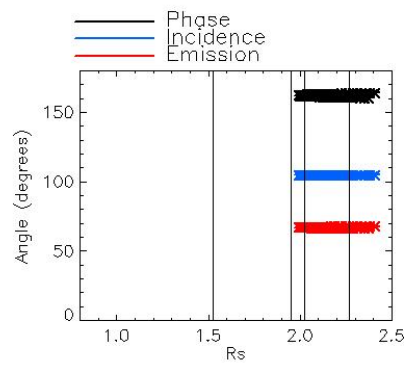
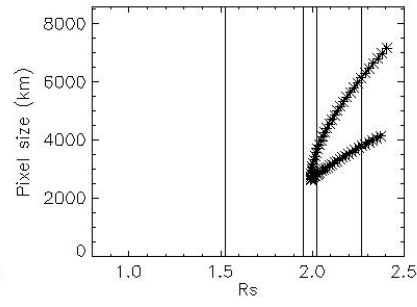
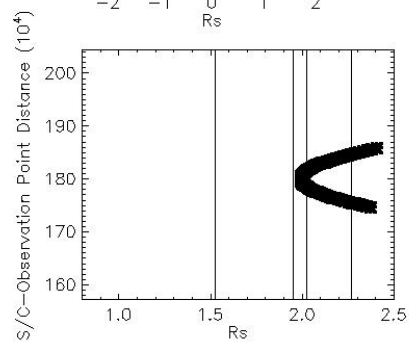


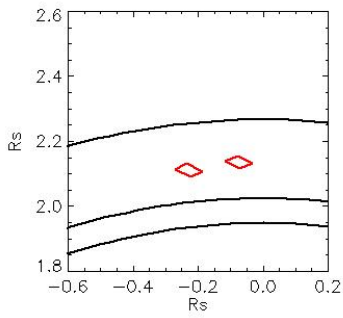
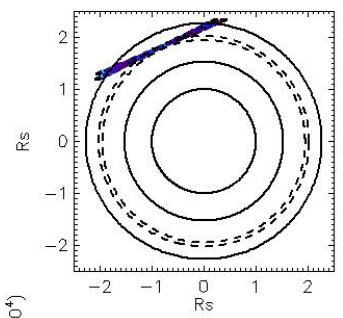
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_05_42_28
 Observation Duration:
 415 S
 Integration time = 415 S



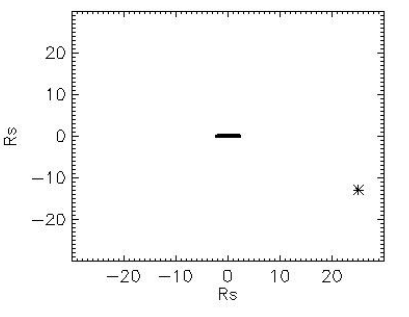
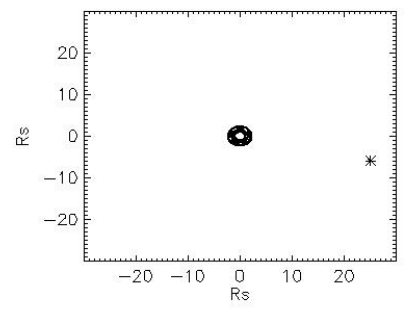
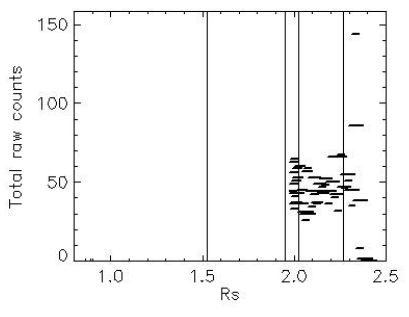
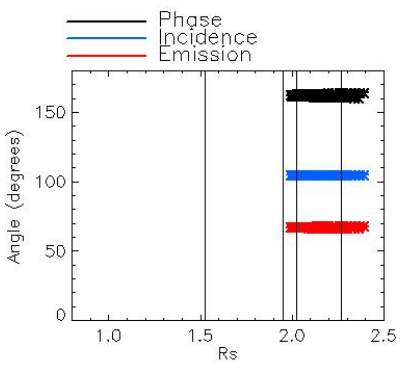
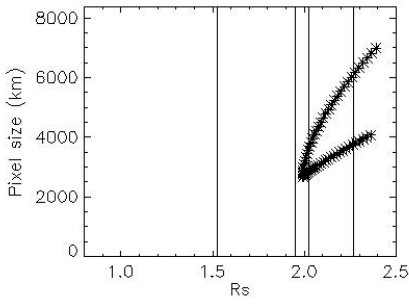
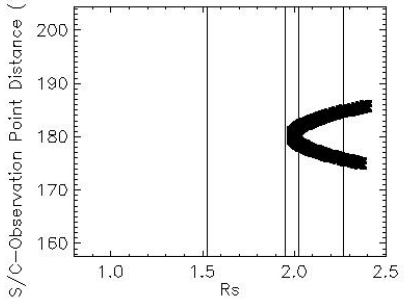


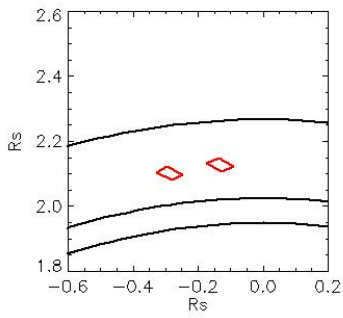
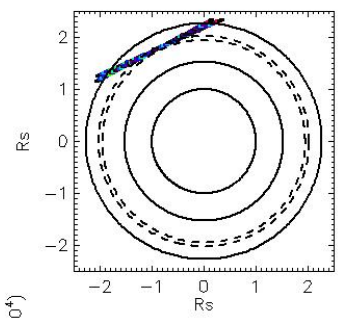
Observation Name:
 UVS_033RLAZDKMRPH001_IJS
 Observation Date:
 2006_331_05_52_30
 Observation Duration:
 415 S
 Integration time = 415 S





Observation Name:
 UVS_033RLAZDKMRPH001_JSS
 Observation Date:
 2006_331_06_02_27
 Observation Duration:
 415 S
 Integration time = 415 S



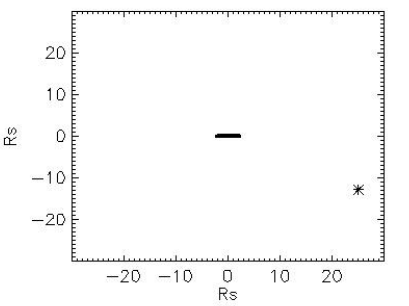
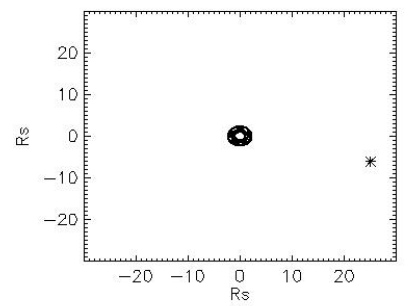
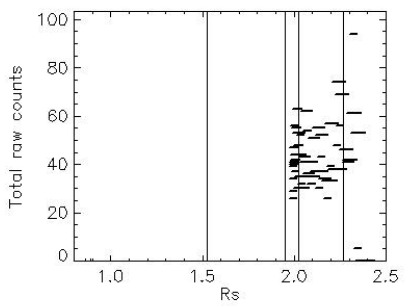
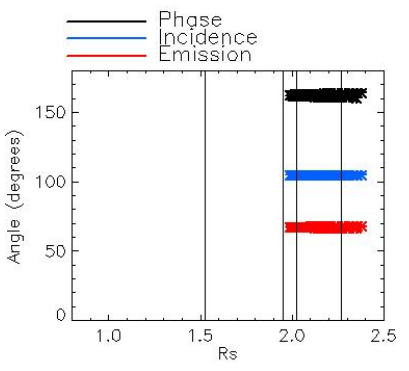
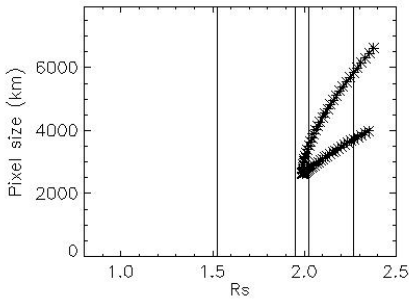
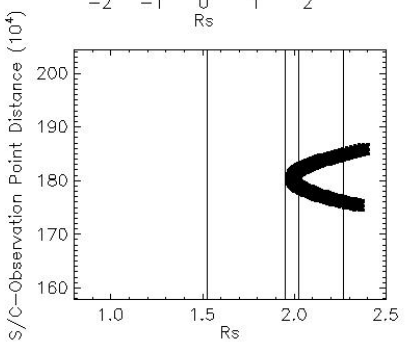


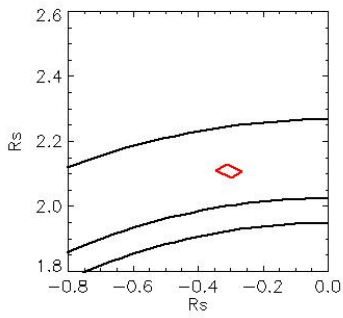
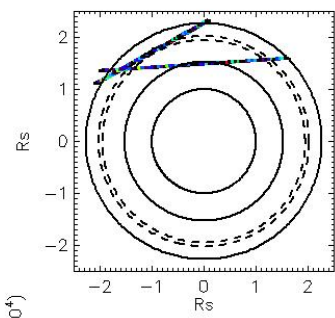
Observation Name:
UMS_033RLAZDKMRPH001_JSS

Observation Date:
2006_331_06_12_20

Observation Duration:
415 S

Integration time = 415 S





Observation Name:
UMS_033RLAZDKMRPH001_IJS

Observation Date:
2006_331_06_22_09

Observation Duration:
415 S

Integration time = 415 S

