

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.

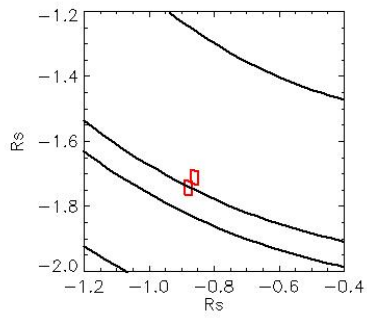
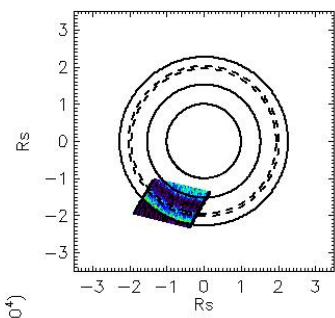
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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

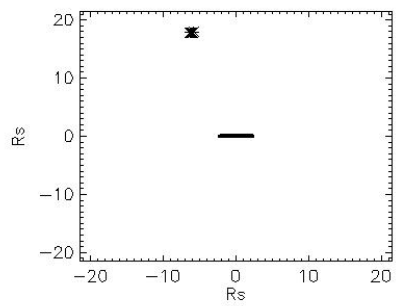
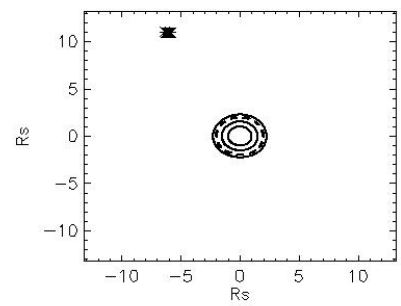
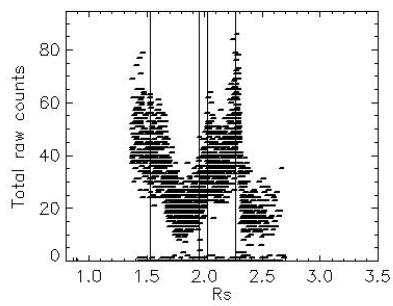
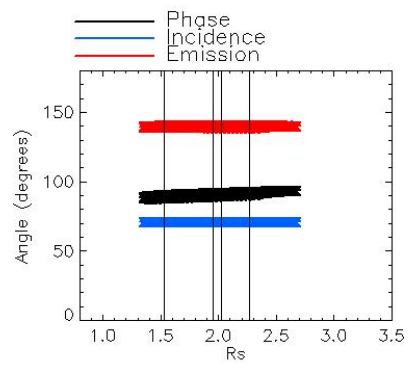
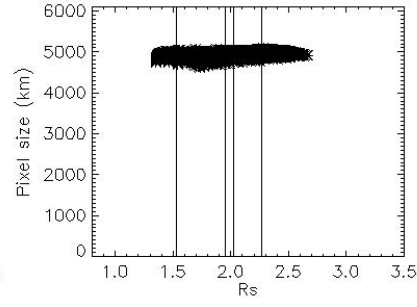
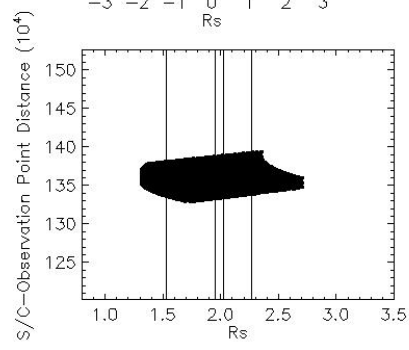
Bottom left: Total raw counts from 175.2 – 189.8 nm for each pixel for all data records.

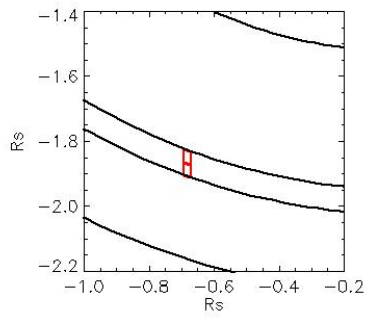
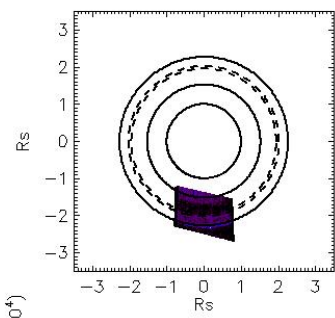
Bottom center: Location of spacecraft throughout an observation looking down on Saturn North Pole with the Sun to the left.

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

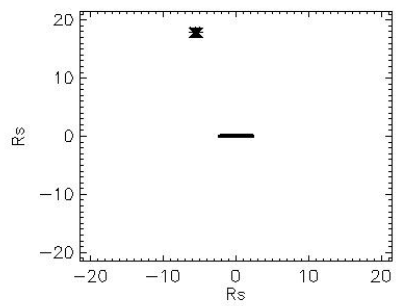
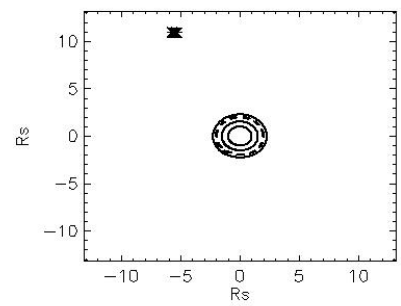
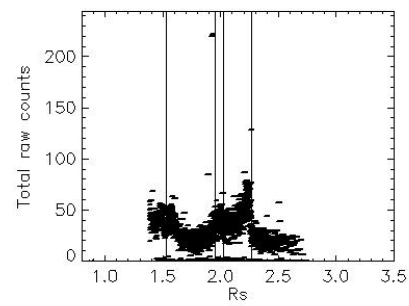
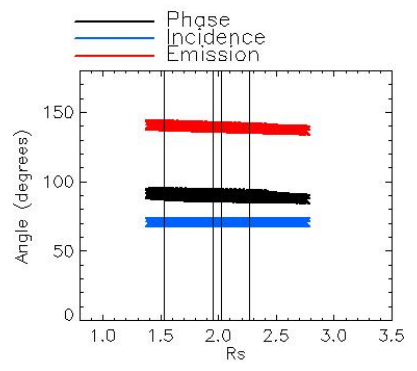
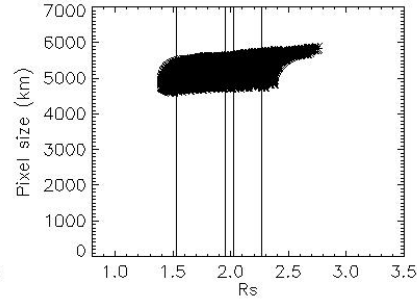
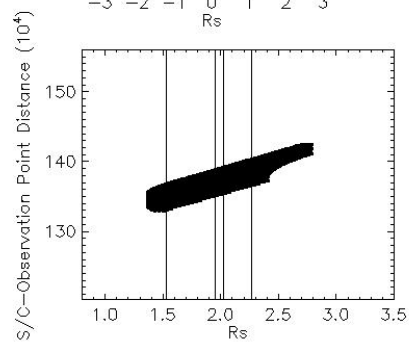


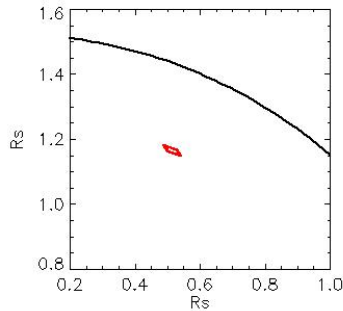
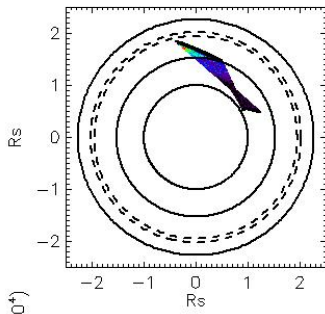
Observation Name:
 UVS_194RLTDIFSOUTH001_CIRS
 Observation Date:
 2013_183_20_20_00
 Observation Duration:
 7800 S
 Integration time = 300 S





Observation Name:
 UVS_194RLTDIFSOUTH001_CIRS
 Observation Date:
 2013_183_22_45_00
 Observation Duration:
 7800 S
 Integration time = 300 S



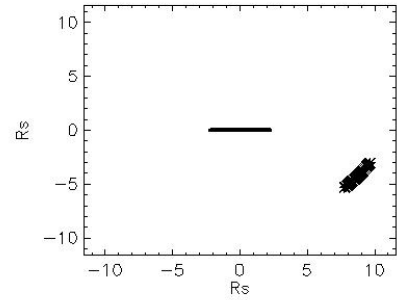
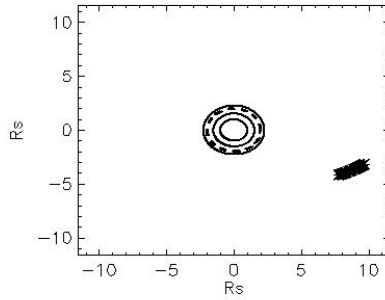
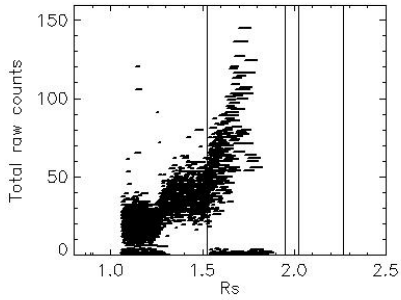
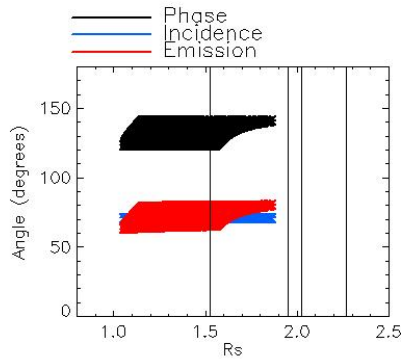
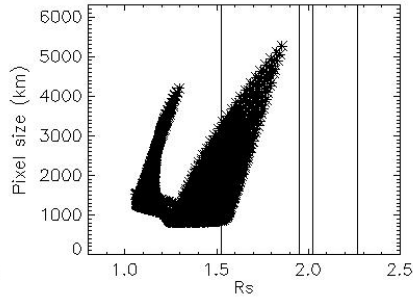
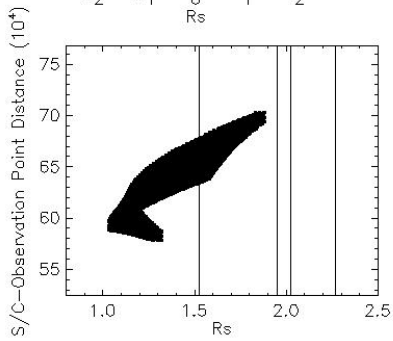


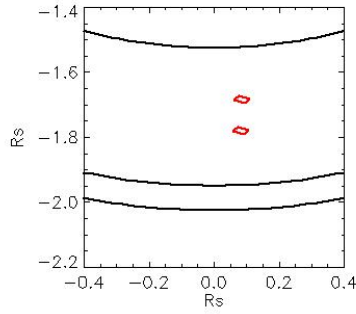
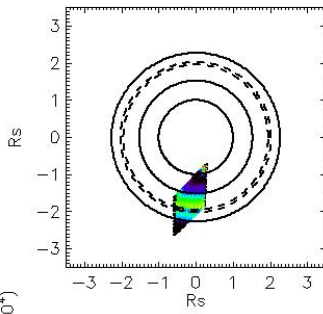
Observation Name:
UMS_194RLDRCLOSE001_ISS

Observation Date:
2013_187_18_40_01

Observation Duration:
21900 S

Integration time = 300 S



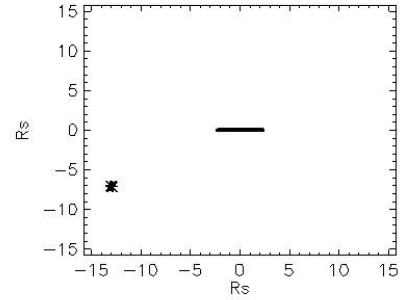
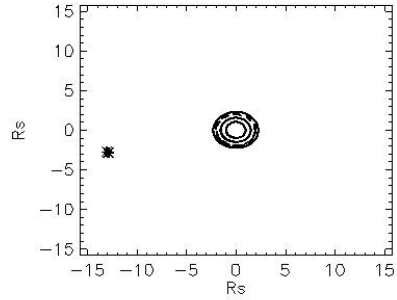
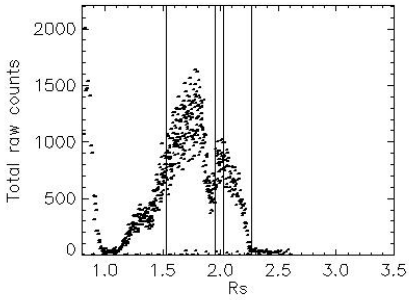
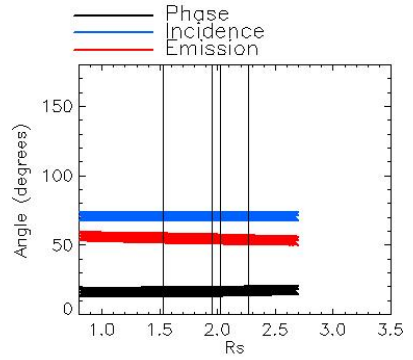
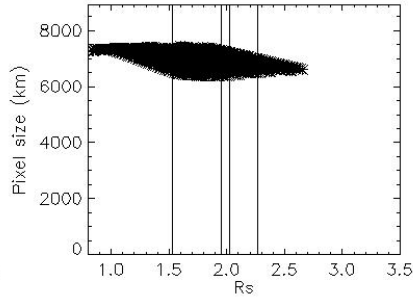
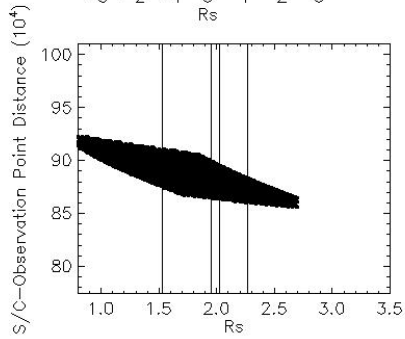


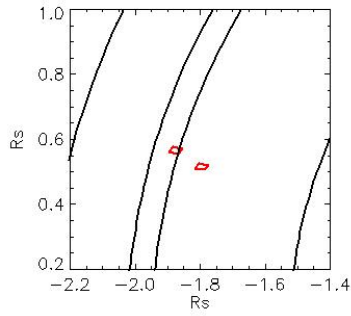
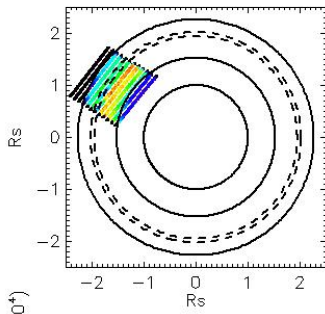
Observation Name:
UMS_194RLNP20L70019_CIRS

Observation Date:
2013_189_22_30_00

Observation Duration:
3300 S

Integration time = 300 S



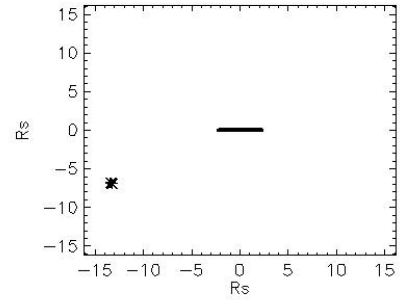
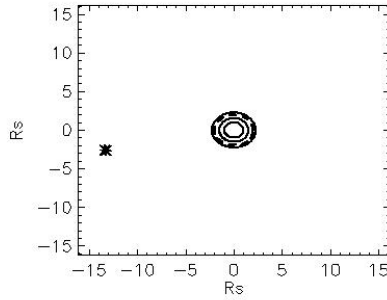
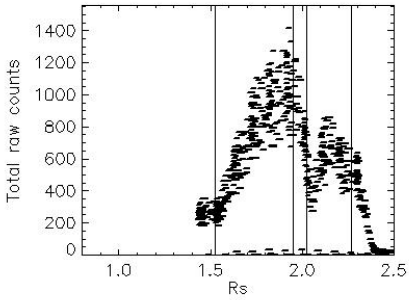
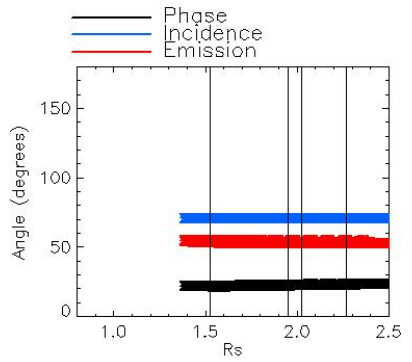
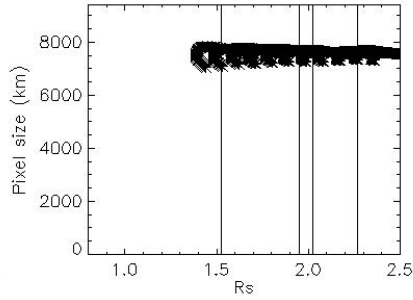
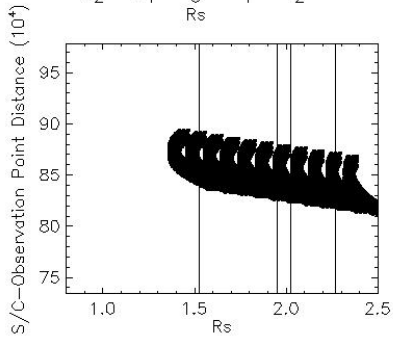


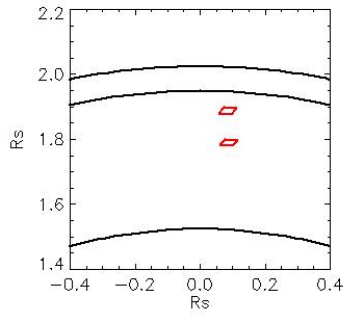
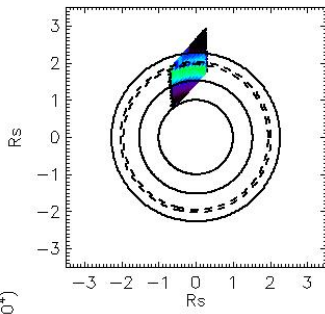
Observation Name:
UMS_194RLNP20L70019_CIRS

Observation Date:
2013_189_23_35_00

Observation Duration:
3300 S

Integration time = 300 S



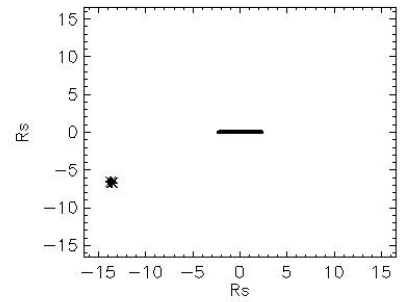
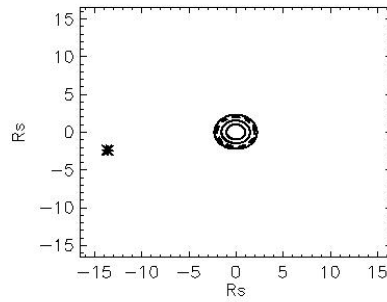
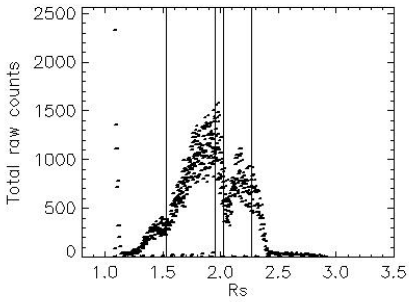
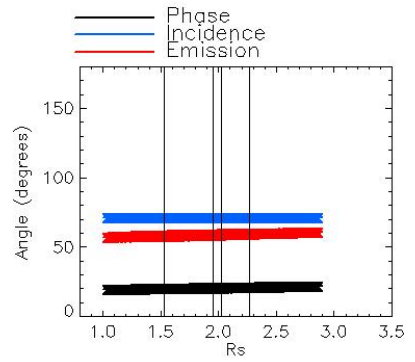
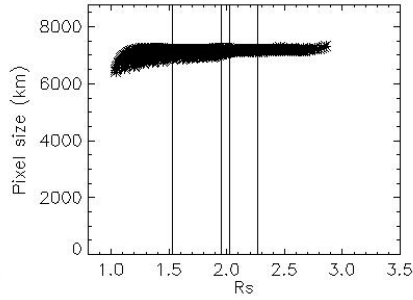
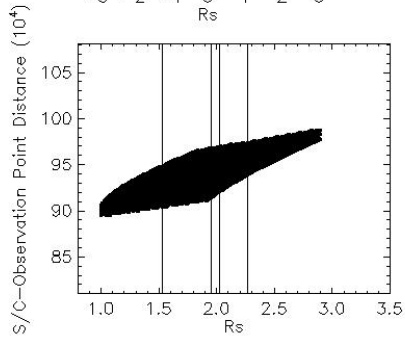


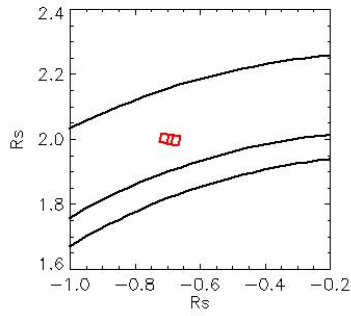
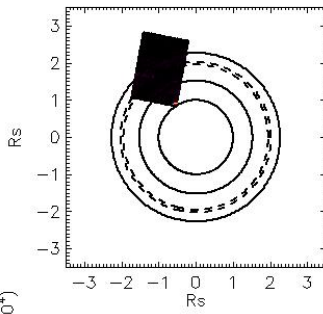
Observation Name:
UMS_194RLNP20L70019_CIRS

Observation Date:
2013_190_00_40_00

Observation Duration:
3300 S

Integration time = 300 S



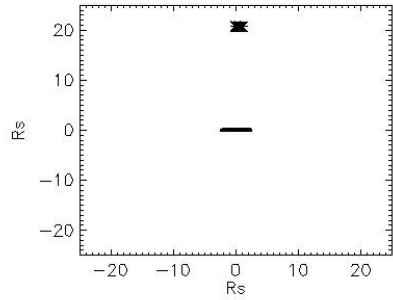
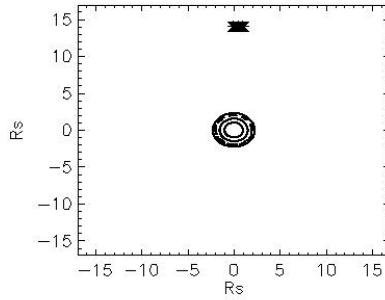
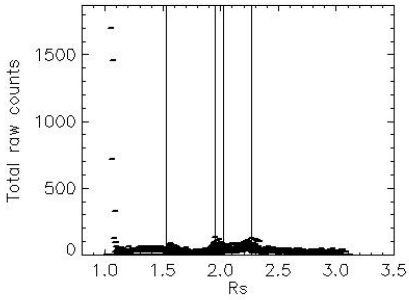
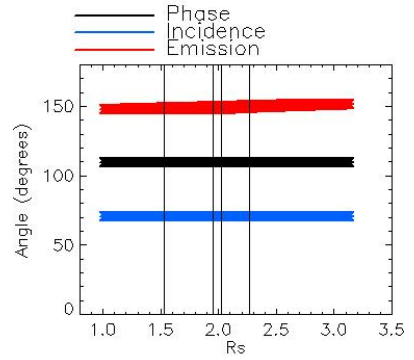
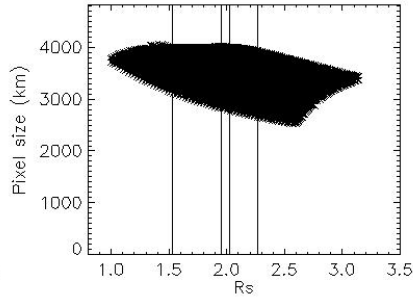
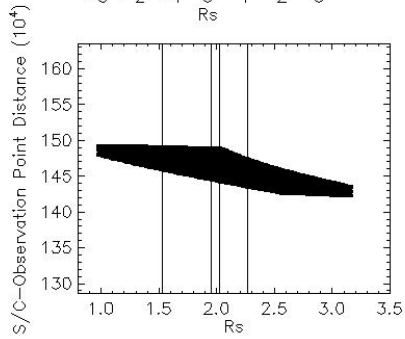


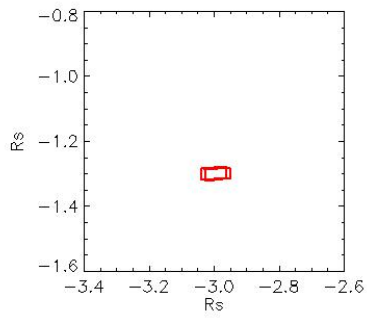
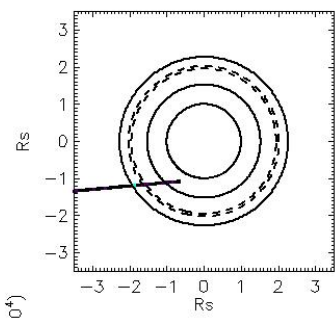
Observation Name:
UMS_195RLMUCEPOCC001_VIMS

Observation Date:
2013_196_15_09_02

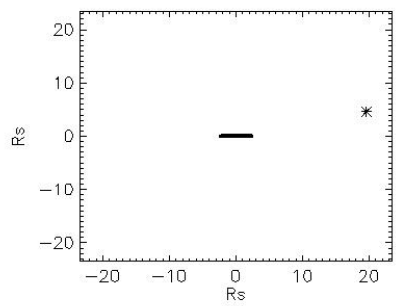
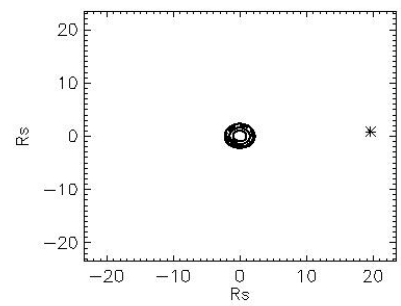
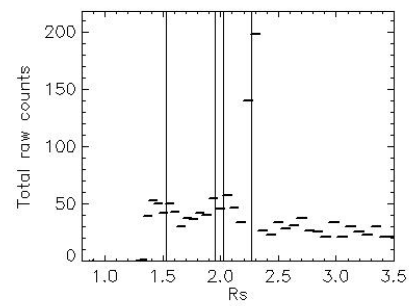
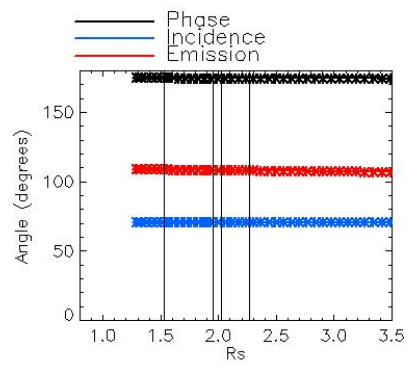
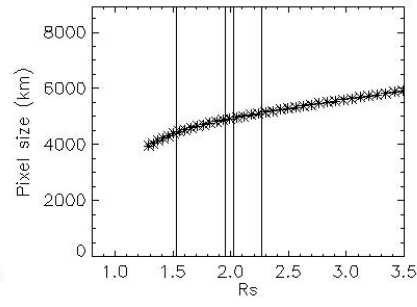
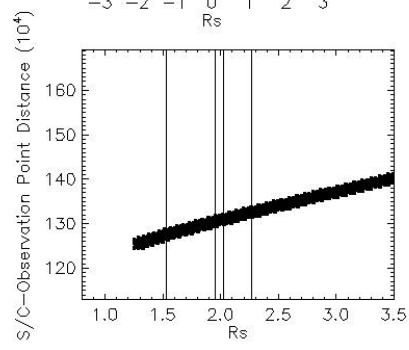
Observation Duration:
16500 S

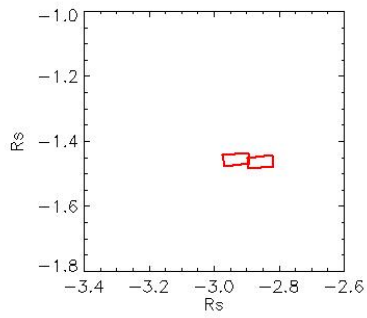
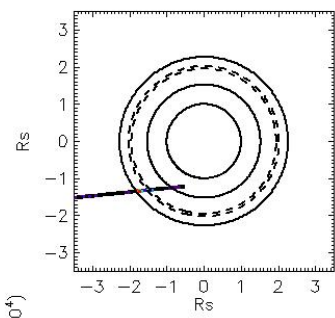
Integration time = 300 S



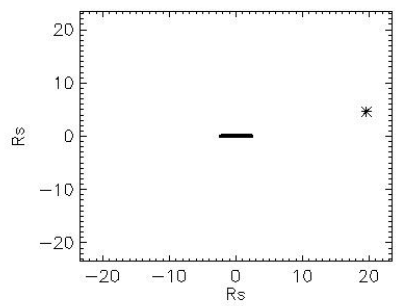
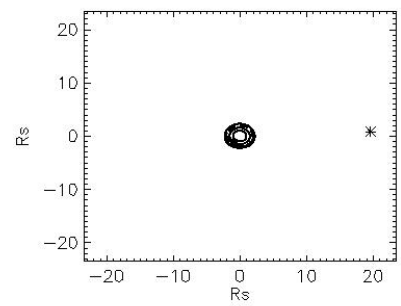
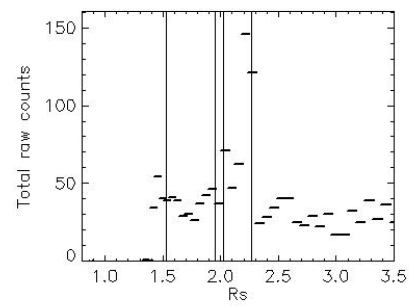
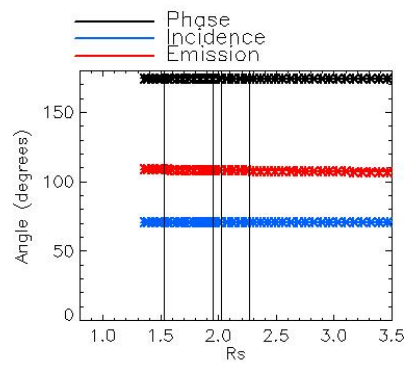
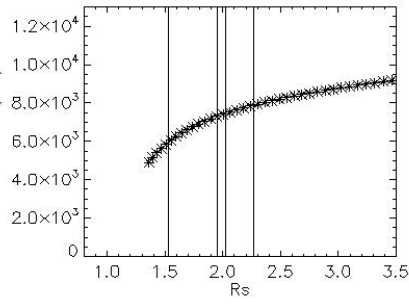
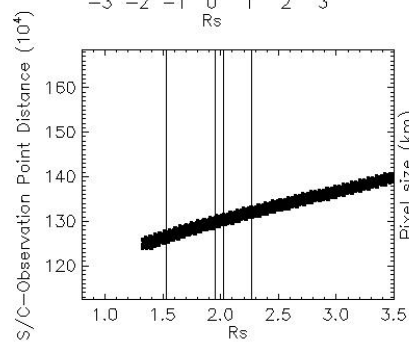


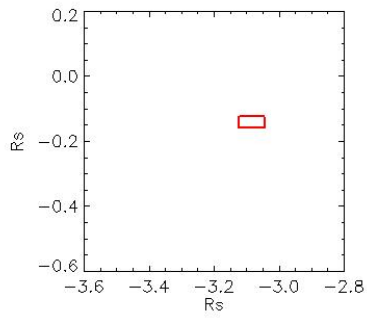
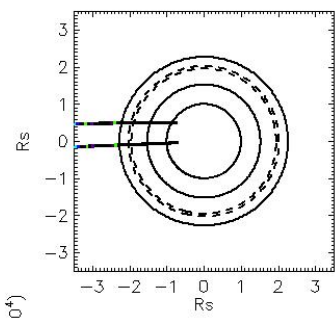
Observation Name:
 UVS_195RLHIPHASE001_VIMS
 Observation Date:
 2013_200_22_46_17
 Observation Duration:
 300 S
 Integration time = 300 S



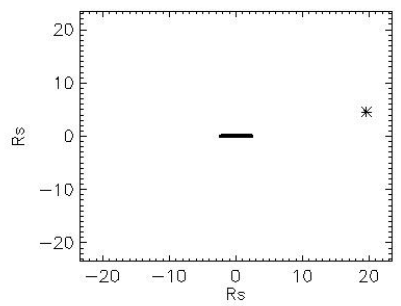
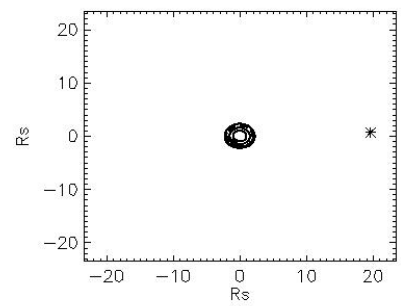
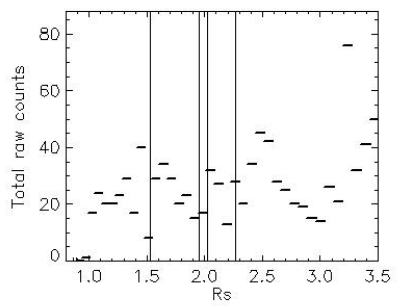
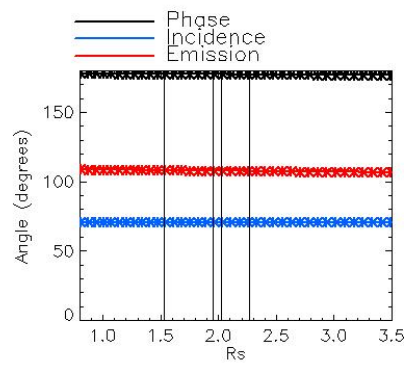
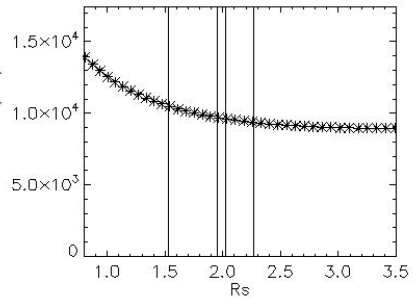
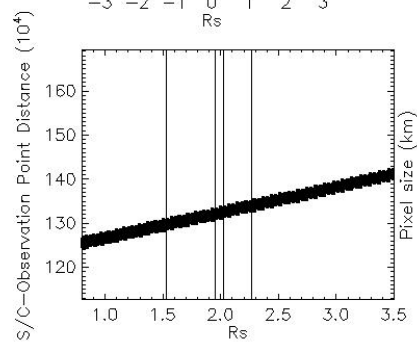


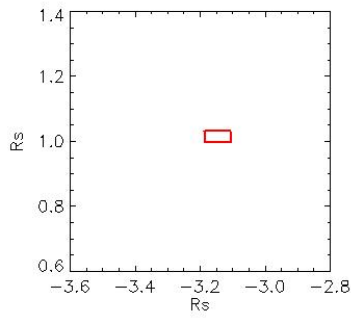
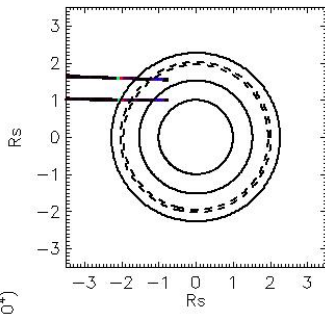
Observation Name:
 UVS_195RLHIPHASE001_VIMS
 Observation Date:
 2013_200_22_57_37
 Observation Duration:
 300 S
 Integration time = 300 S





Observation Name:
 UVS_195RLHIPHASE001_VIMS
 Observation Date:
 2013_200_23_10_07
 Observation Duration:
 300 S
 Integration time = 300 S



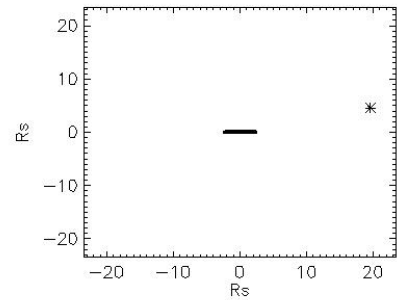
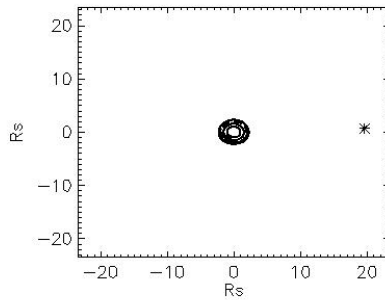
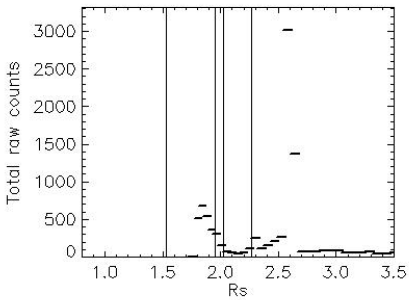
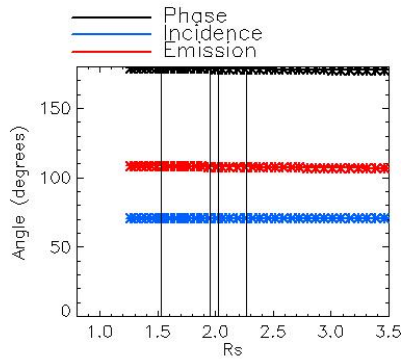
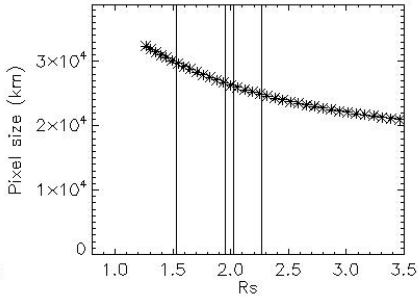
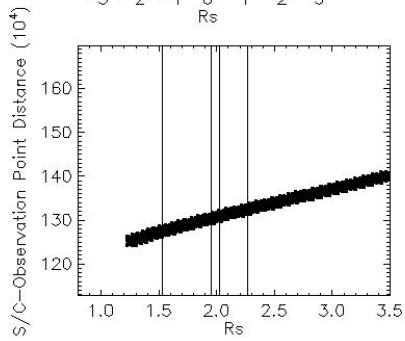


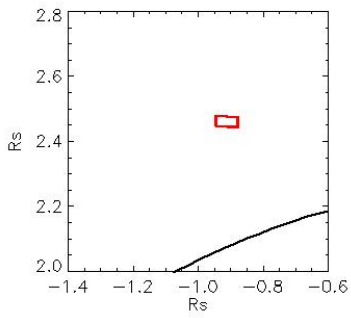
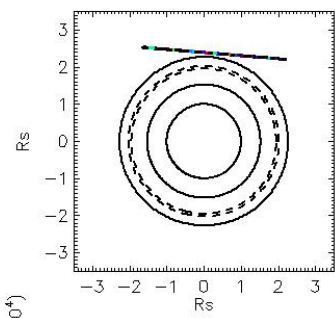
Observation Name:
UMS_195RLHIPHASE001_VIMS

Observation Date:
2013_200_23_17_07

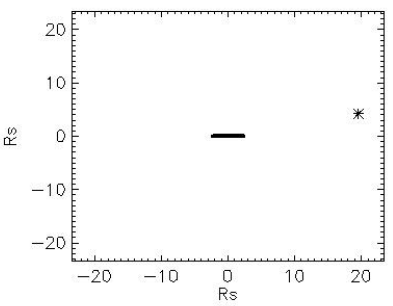
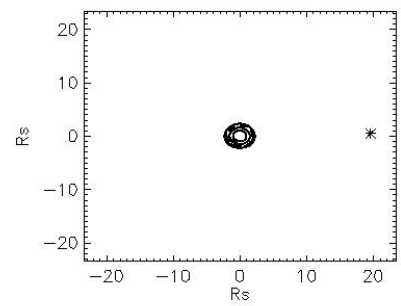
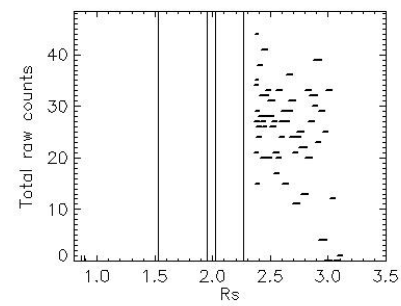
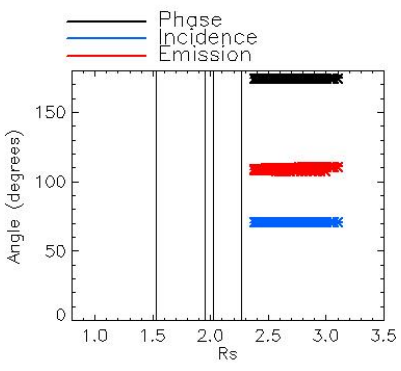
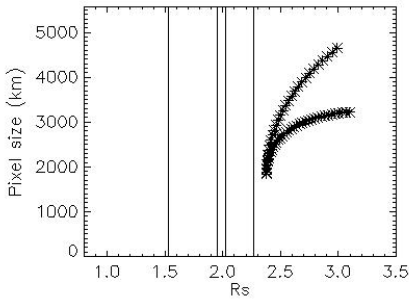
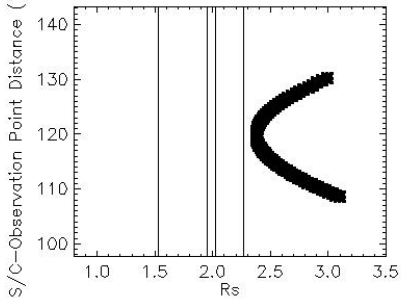
Observation Duration:
300 S

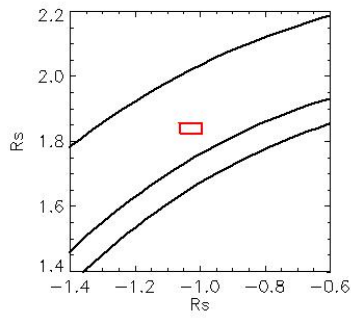
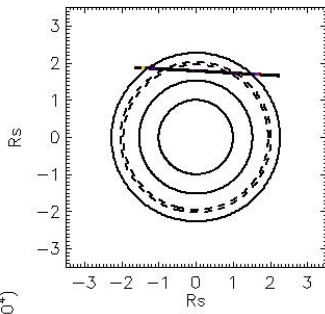
Integration time = 300 S





Observation Name:
 UVS_195RLHIPHASE001_VIMS
 Observation Date:
 2013_201_00_10_55
 Observation Duration:
 300 S
 Integration time = 300 S



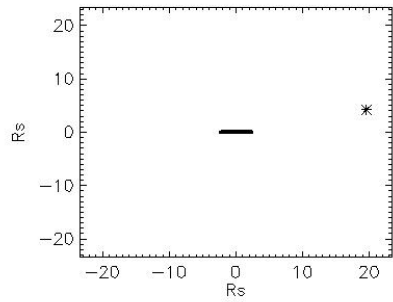
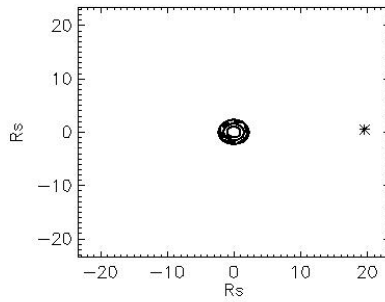
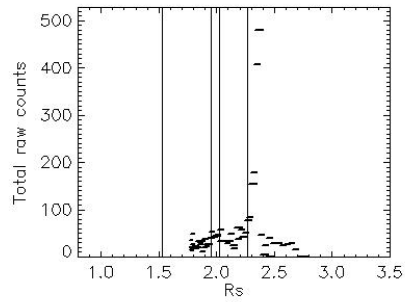
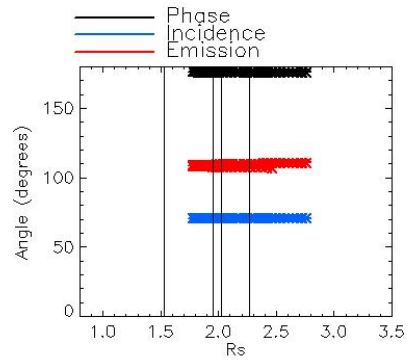
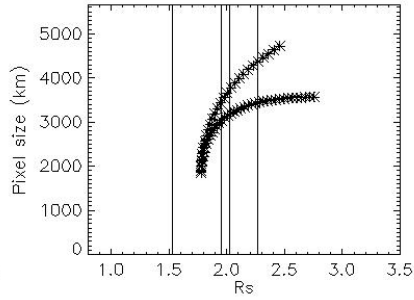
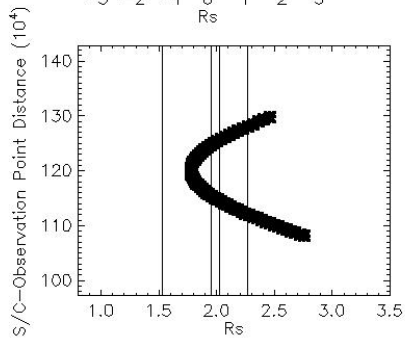


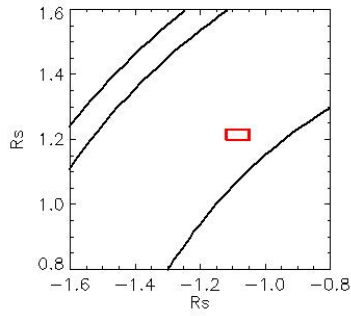
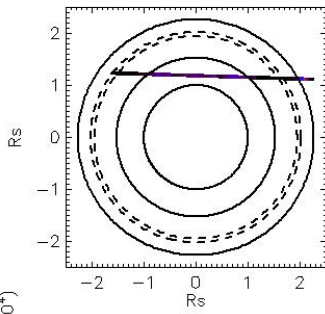
Observation Name:
UVS_195RLHIPHASE001_VIMS

Observation Date:
2013_201_00_20_55

Observation Duration:
300 S

Integration time = 300 S



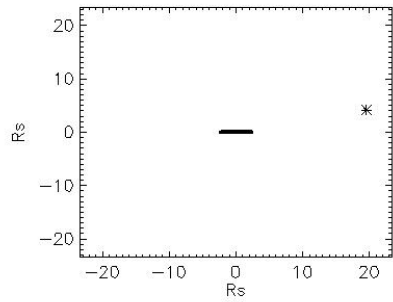
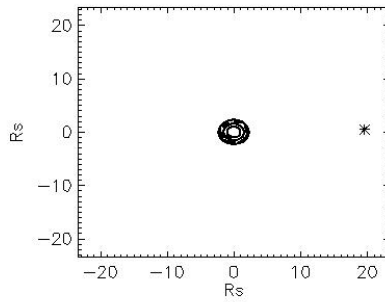
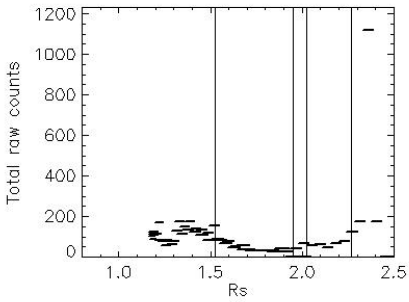
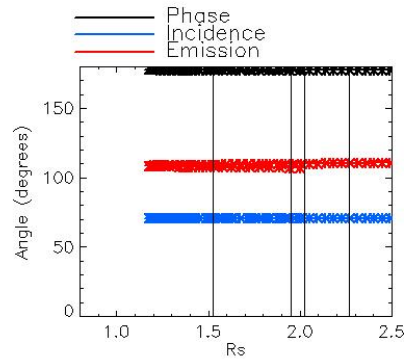
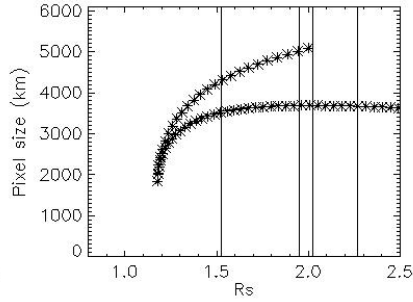
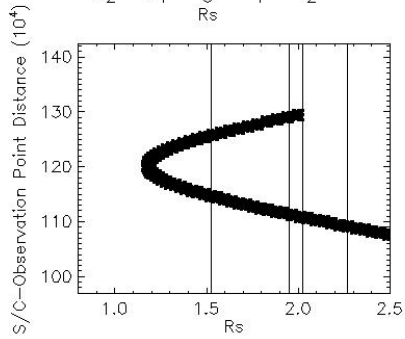


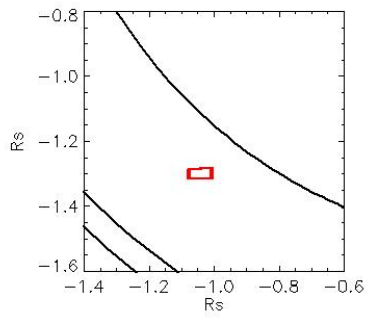
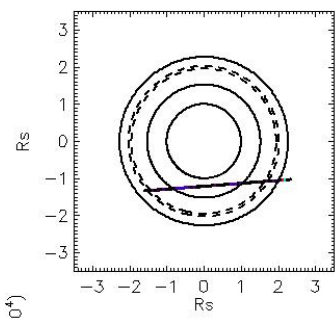
Observation Name:
UMS_195RLHIPHASE001_VIMS

Observation Date:
2013_201_00_30_55

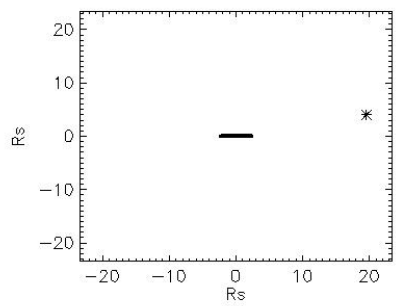
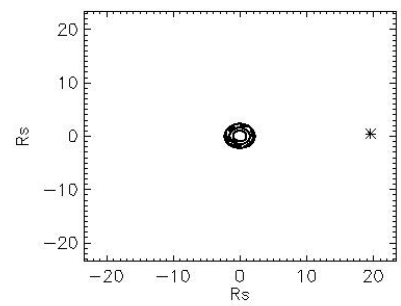
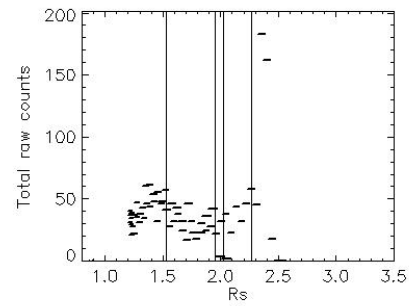
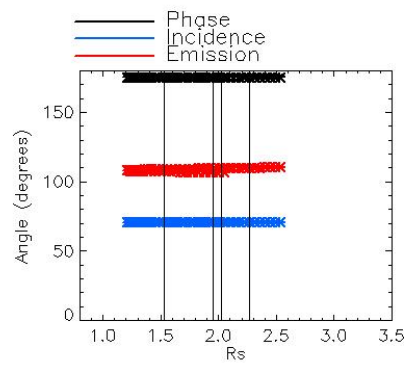
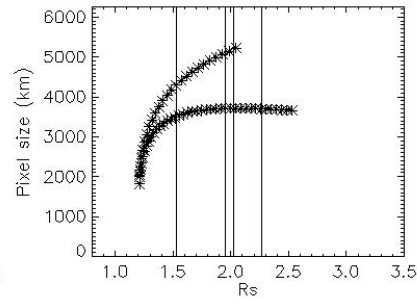
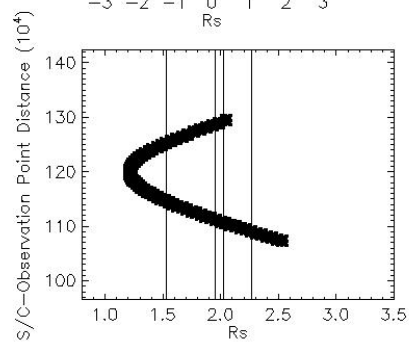
Observation Duration:
300 S

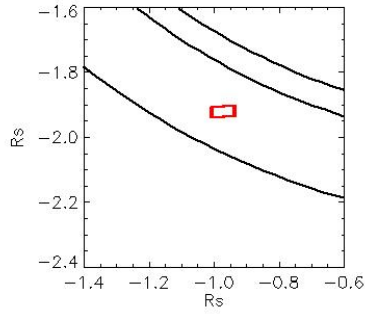
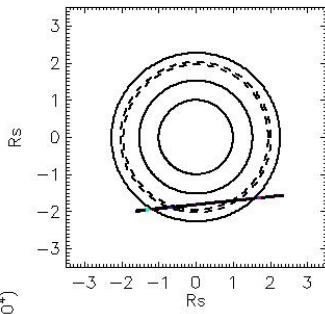
Integration time = 300 S





Observation Name:
 UVS_195RLHIPHASE001_VIMS
 Observation Date:
 2013_201_00_55_55
 Observation Duration:
 300 S
 Integration time = 300 S



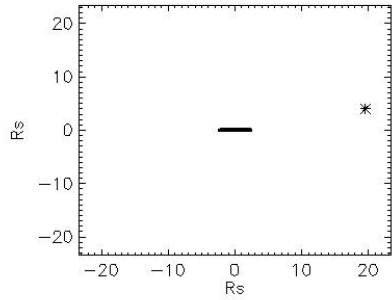
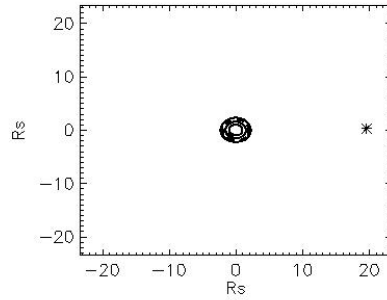
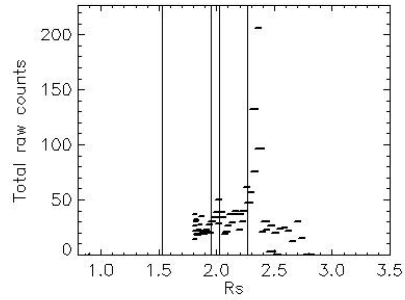
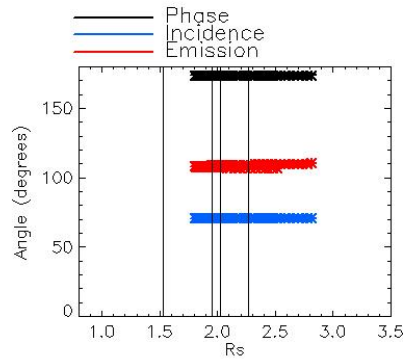
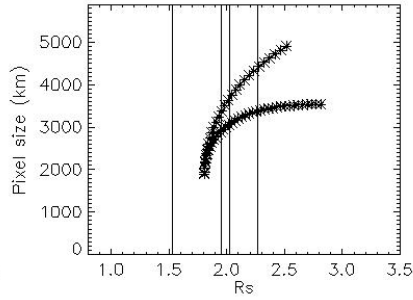
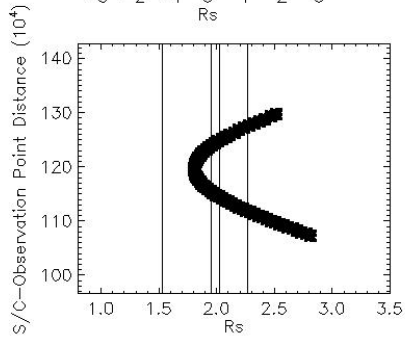


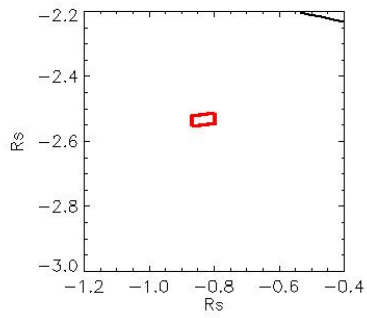
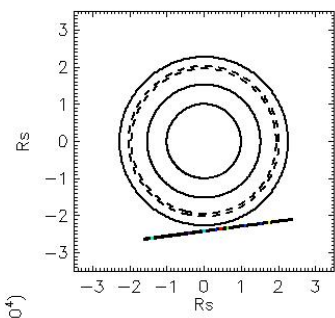
Observation Name:
UMS_195RLHIPHASE001_VIMS

Observation Date:
2013_201_01_05_55

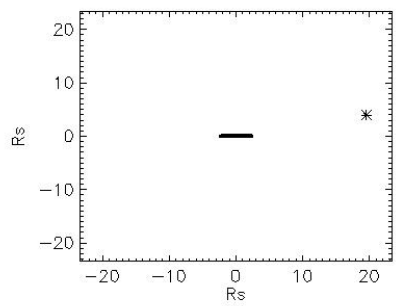
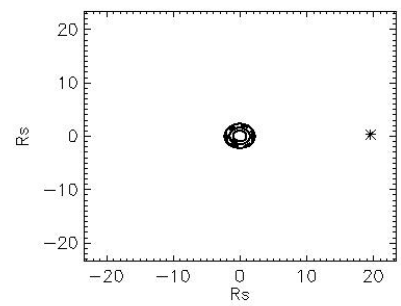
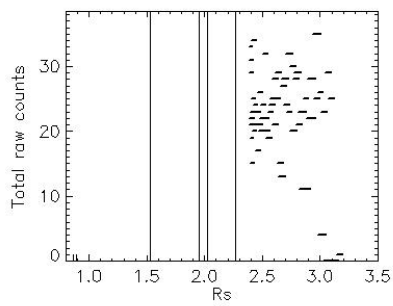
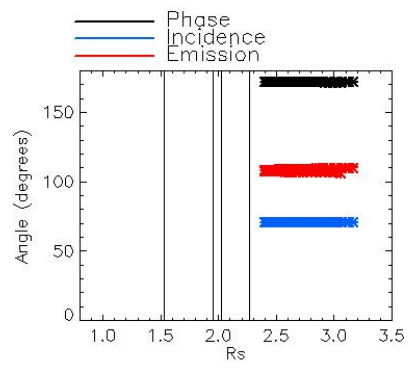
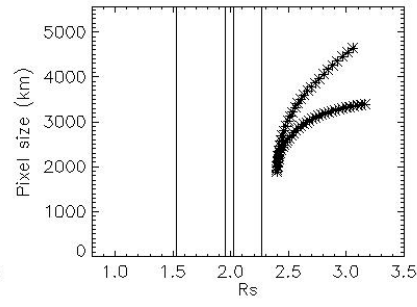
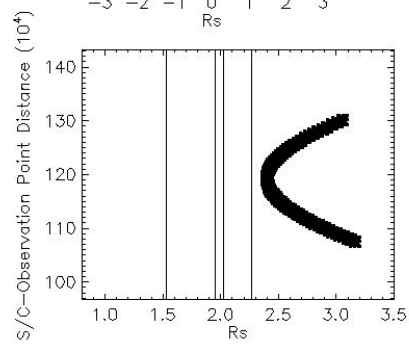
Observation Duration:
300 S

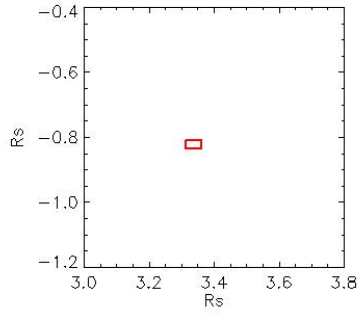
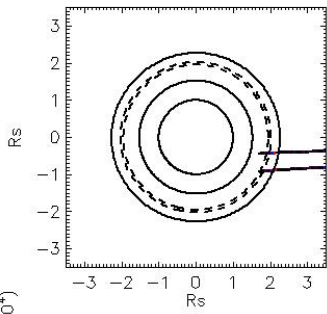
Integration time = 300 S





Observation Name:
 UVS_195RLHIPHASE001_VIMS
 Observation Date:
 2013_201_01_15_55
 Observation Duration:
 300 S
 Integration time = 300 S



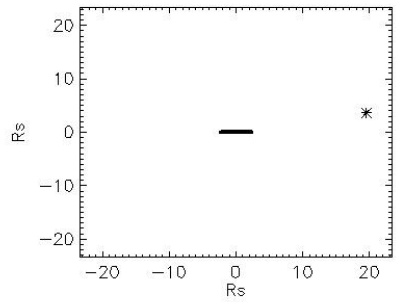
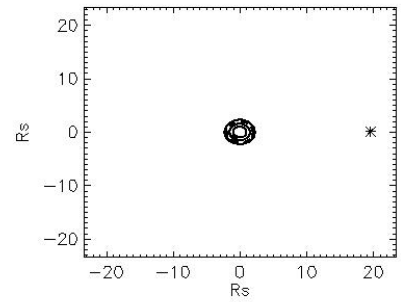
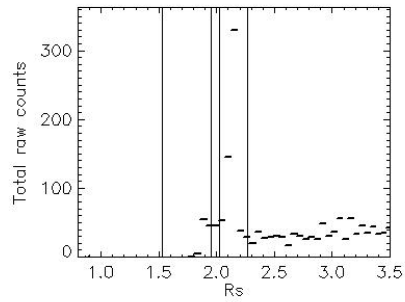
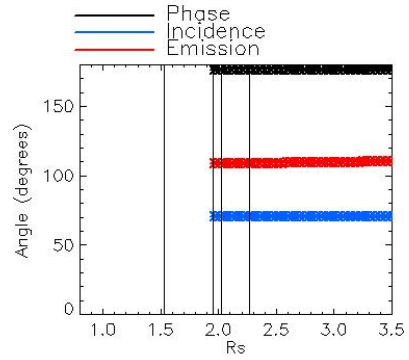
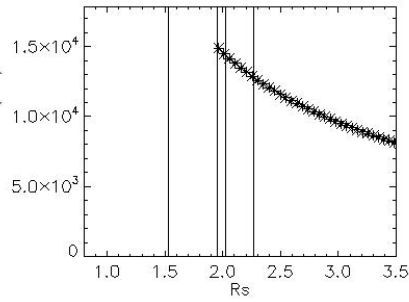
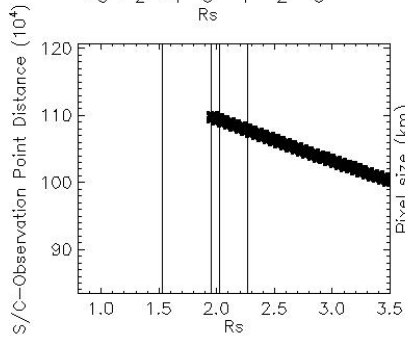


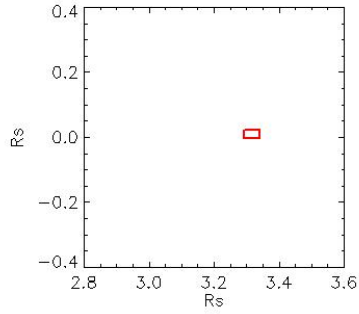
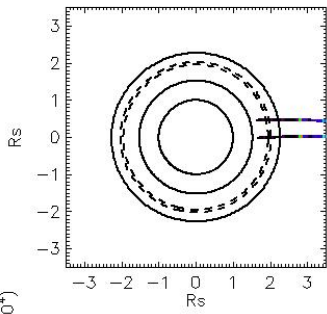
Observation Name:
UMS_195RLHIPHASE001_VIMS

Observation Date:
2013_201_02_13_02

Observation Duration:
300 S

Integration time = 300 S



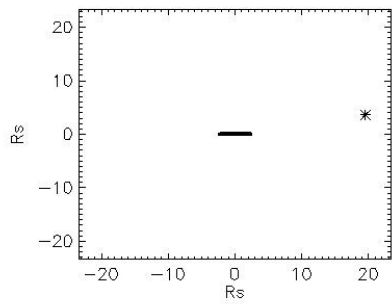
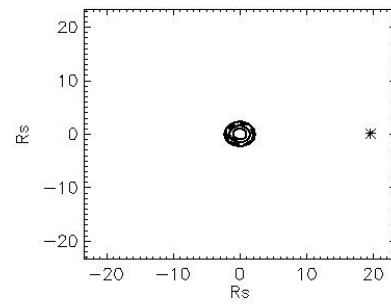
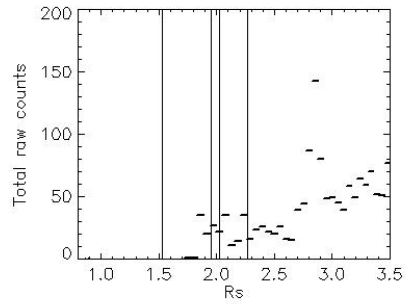
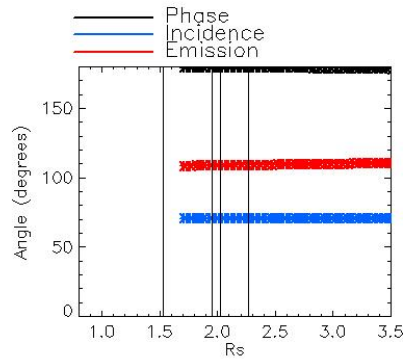
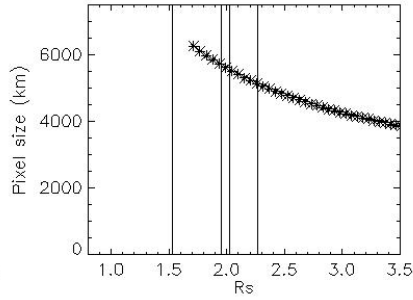
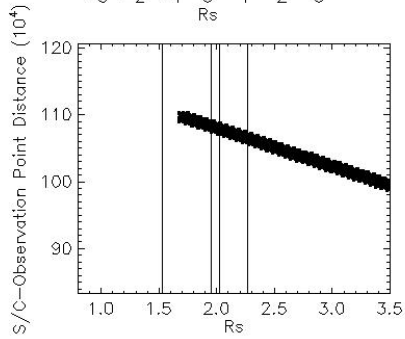


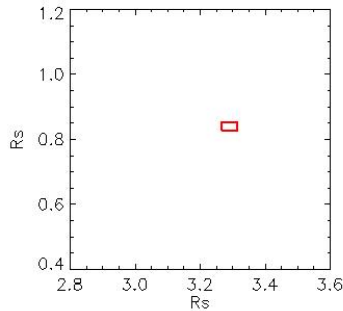
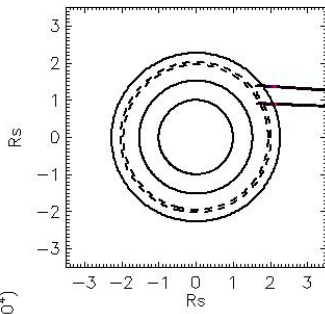
Observation Name:
UMS_195RLHIPHASE001_VIMS

Observation Date:
2013_201_02_20_02

Observation Duration:
300 S

Integration time = 300 S



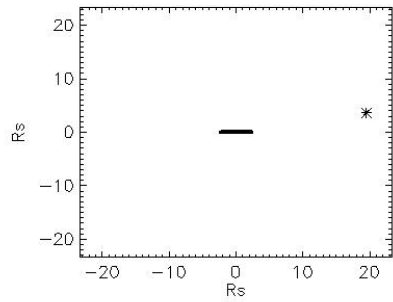
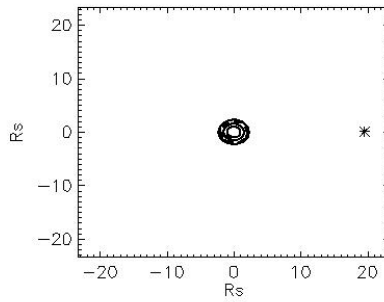
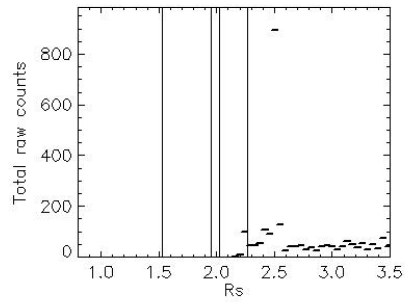
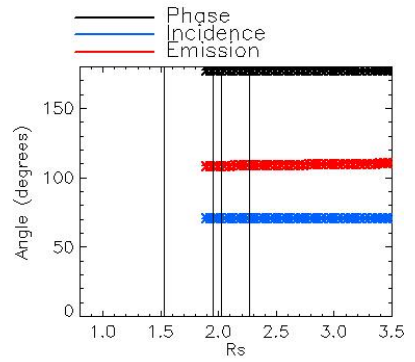
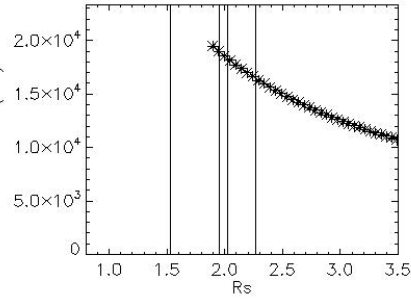
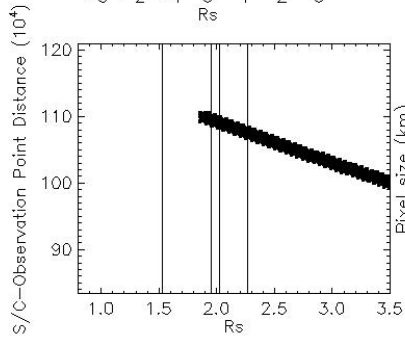


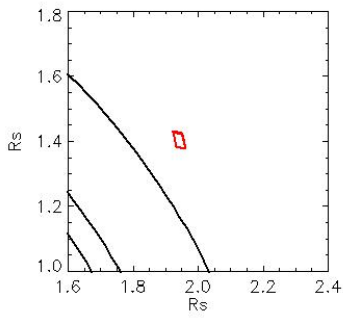
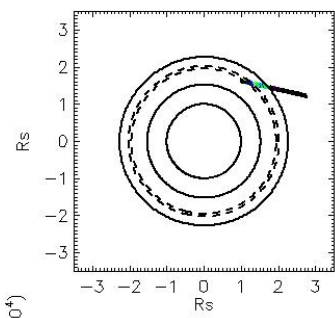
Observation Name:
UMS_195RLHIPHASE001_VIMS

Observation Date:
2013_201_02_27_02

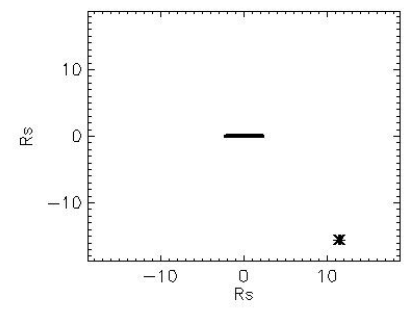
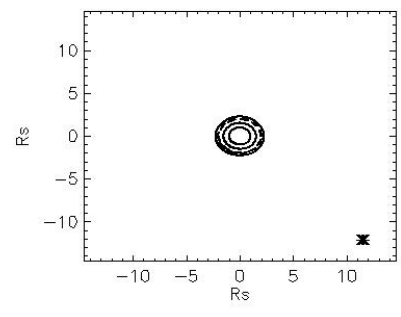
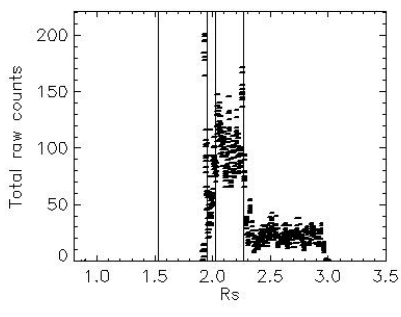
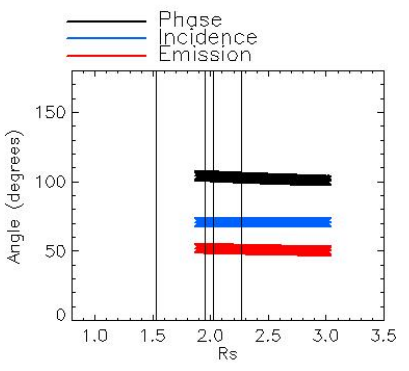
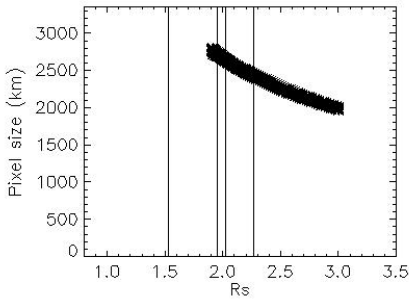
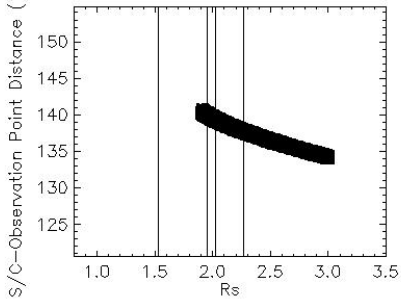
Observation Duration:
300 S

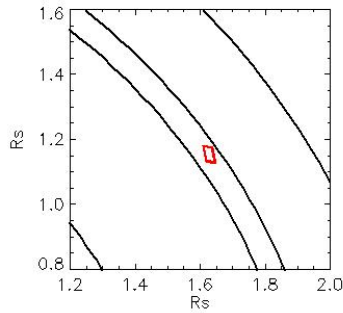
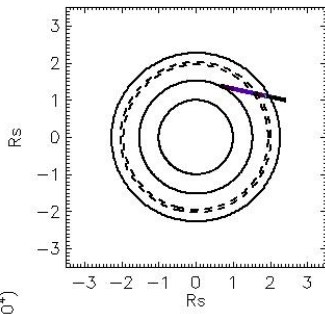
Integration time = 300 S





Observation Name:
 UVS_196RLLATPHASE01_VIMS
 Observation Date:
 2013_226_11_54_02
 Observation Duration:
 3300 S
 Integration time = 300 S



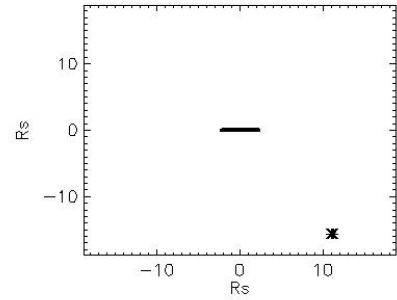
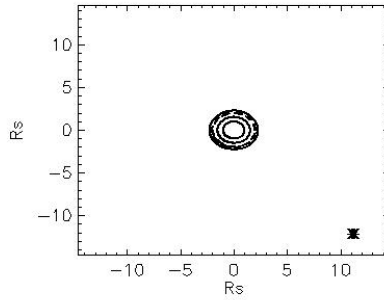
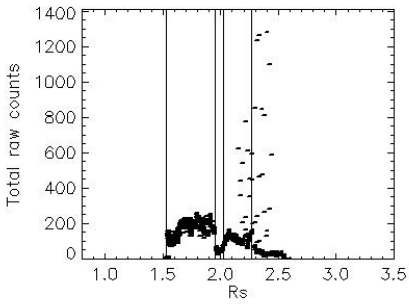
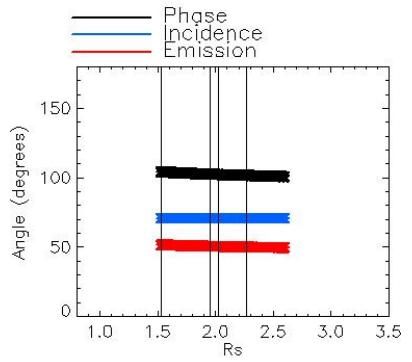
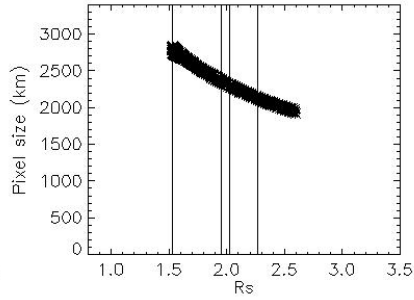
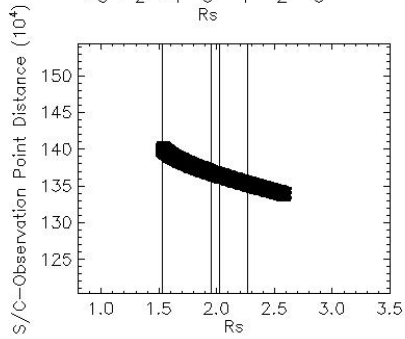


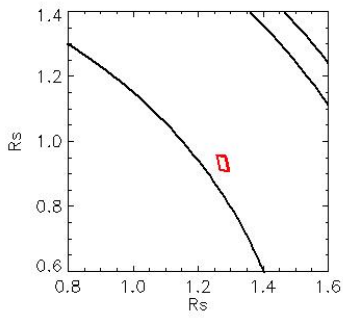
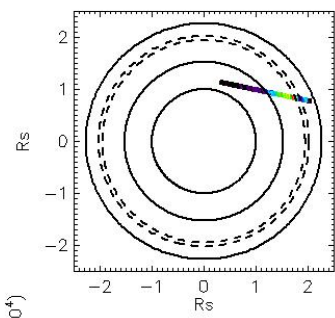
Observation Name:
UMS_196RLATPHASE01_VIMS

Observation Date:
2013_226_12_56_02

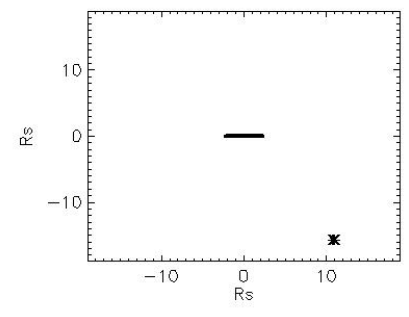
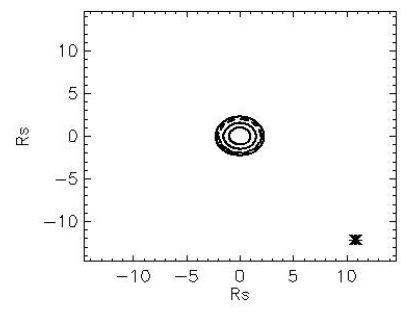
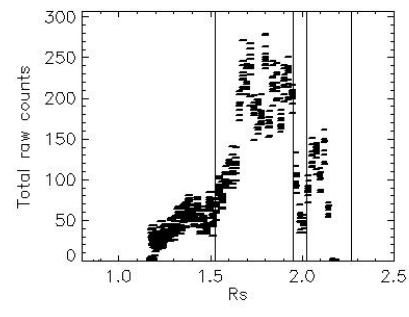
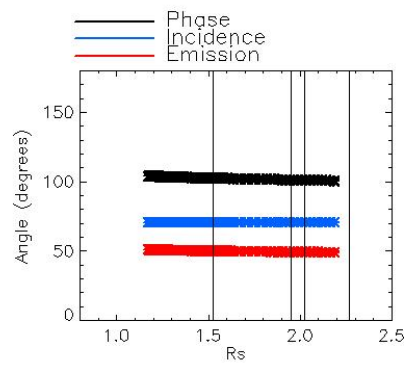
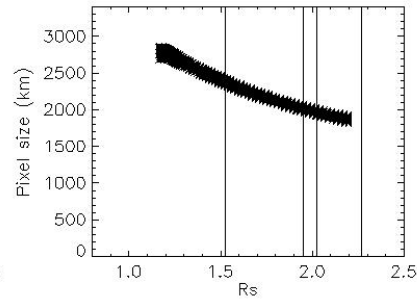
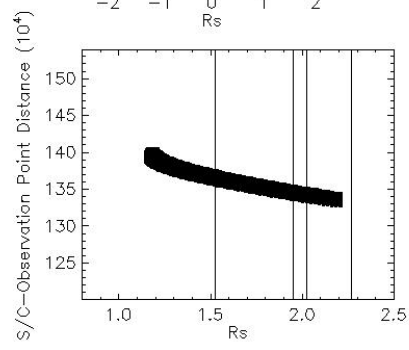
Observation Duration:
3300 S

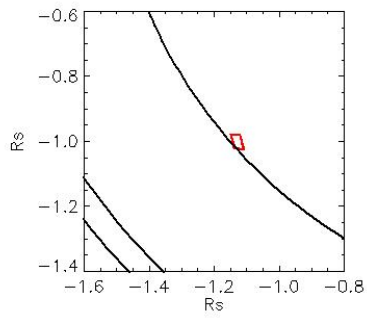
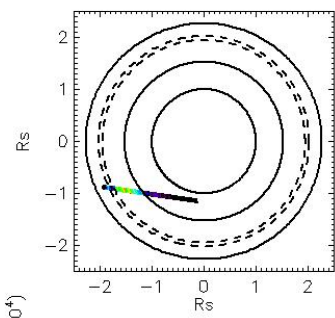
Integration time = 300 S



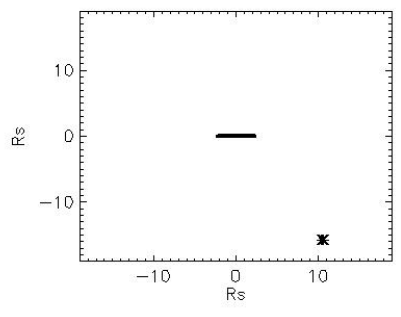
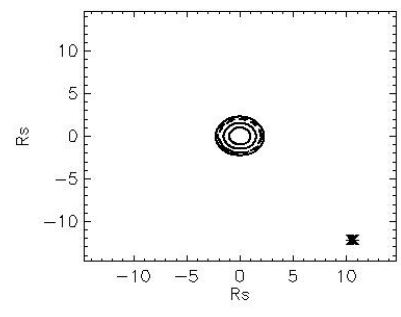
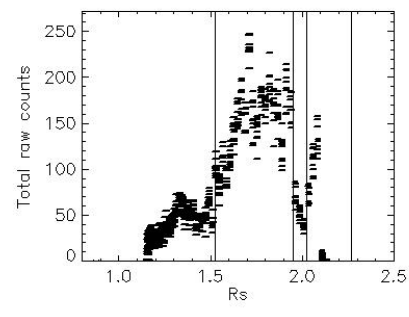
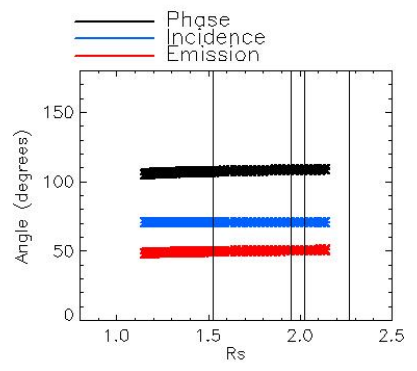
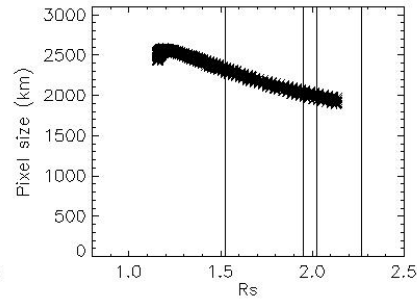
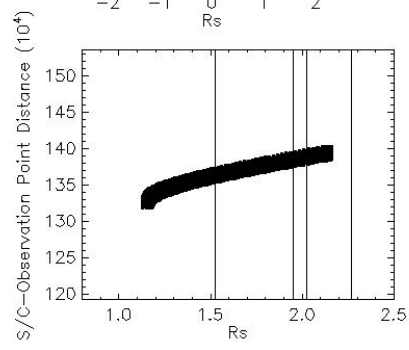


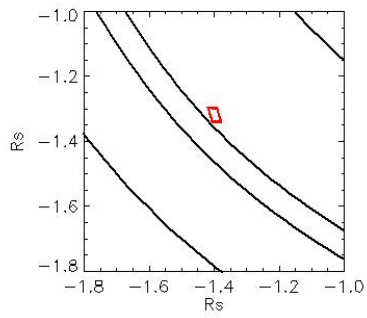
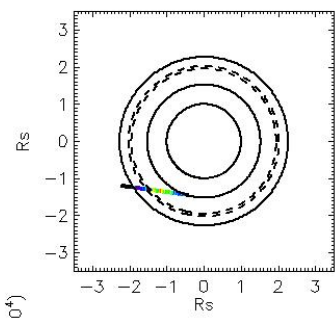
Observation Name:
 UVS_196RLATPHASE01_VIMS
 Observation Date:
 2013_226_13_58_02
 Observation Duration:
 3300 S
 Integration time = 300 S



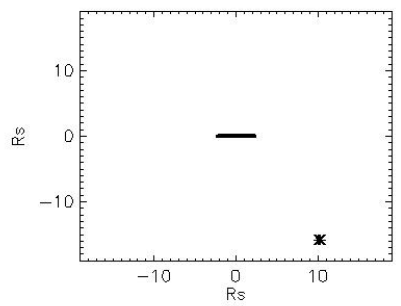
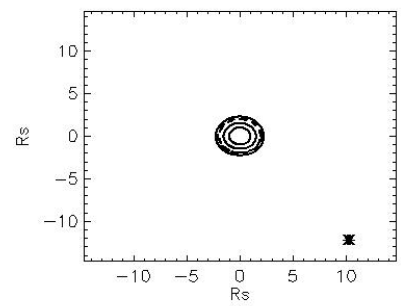
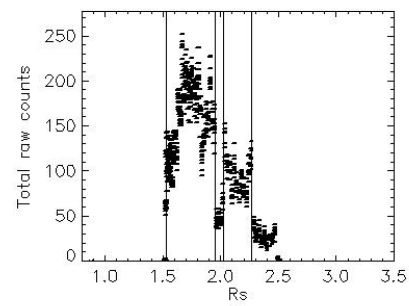
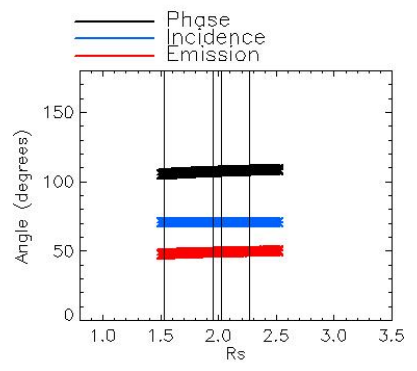
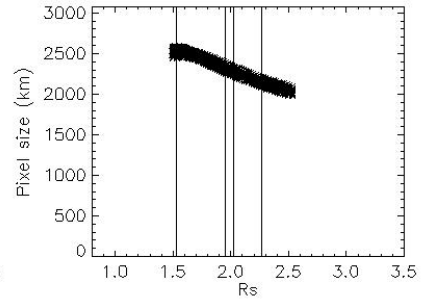
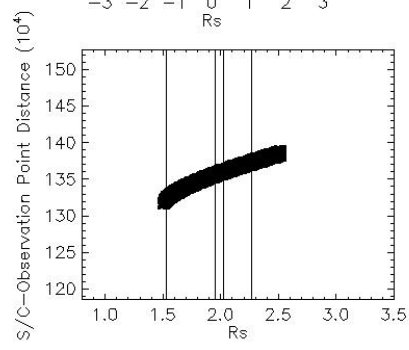


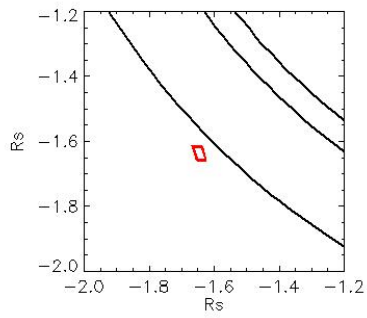
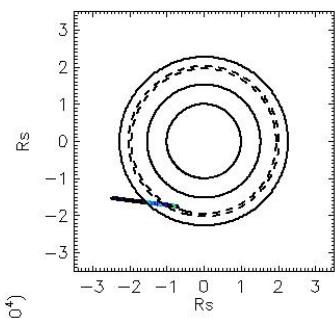
Observation Name:
 UVS_196RLATPHASE01_VIMS
 Observation Date:
 2013_226_15_02_02
 Observation Duration:
 3300 S
 Integration time = 300 S



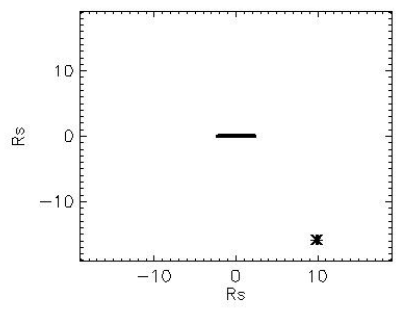
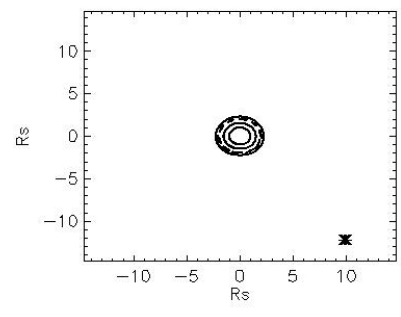
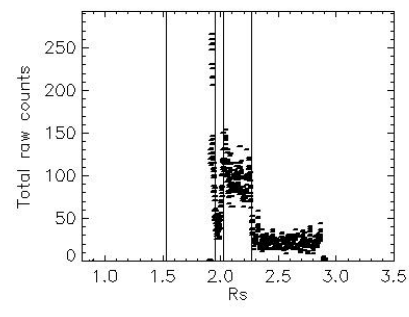
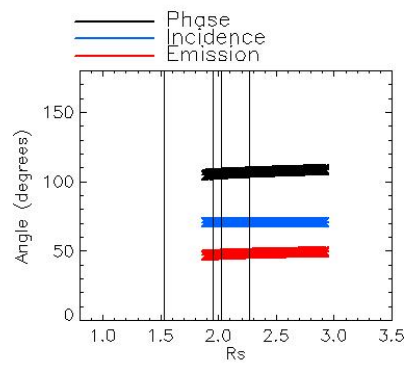
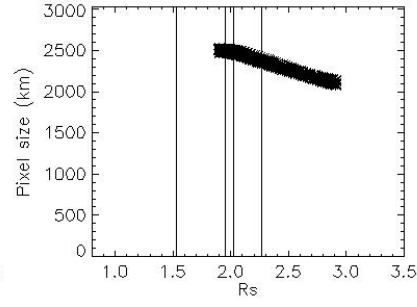
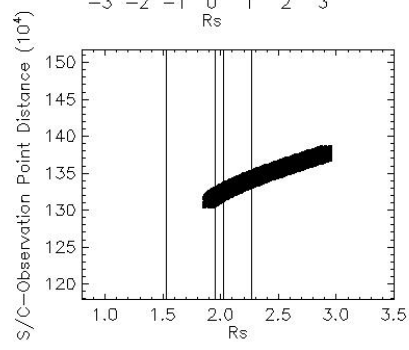


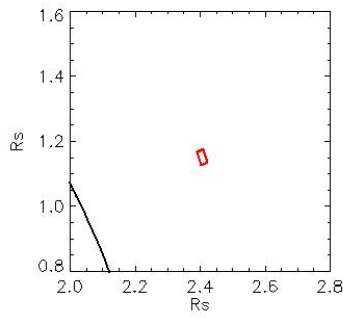
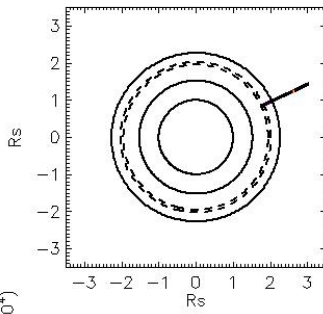
Observation Name:
 UVS_196RLATPHASE001_VIMS
 Observation Date:
 2013_226_16_04_02
 Observation Duration:
 3300 S
 Integration time = 300 S





Observation Name:
 UVS_196RLLATPHASE001_VIMS
 Observation Date:
 2013_226_17_06_02
 Observation Duration:
 3300 S
 Integration time = 300 S



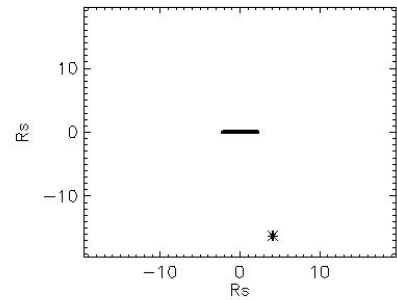
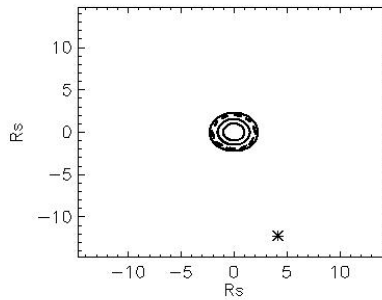
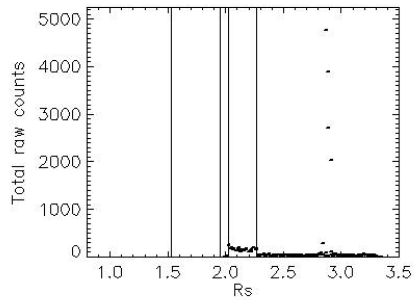
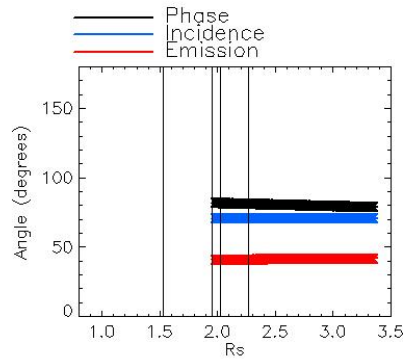
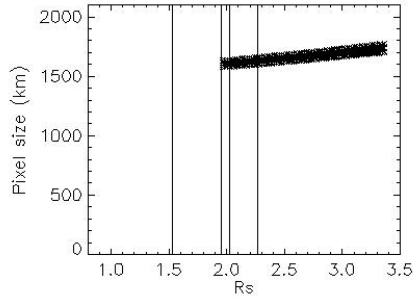
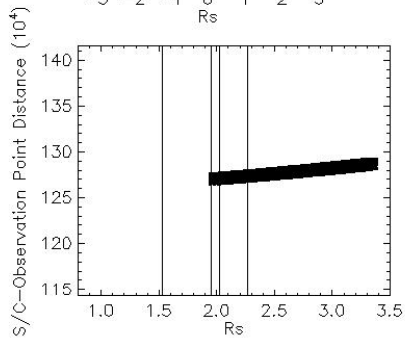


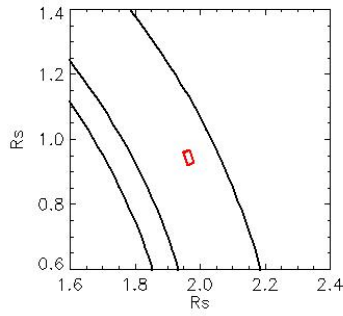
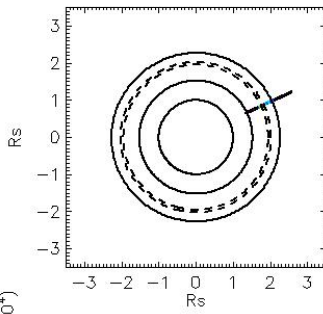
Observation Name:
UMS_196RLSHADFP3L001_CIRS

Observation Date:
2013_227_11_41_02

Observation Duration:
900 S

Integration time = 300 S



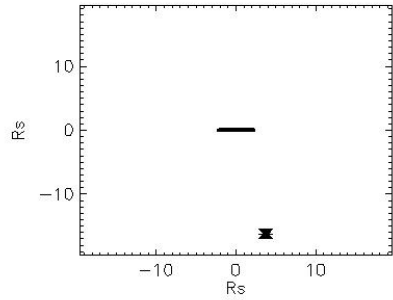
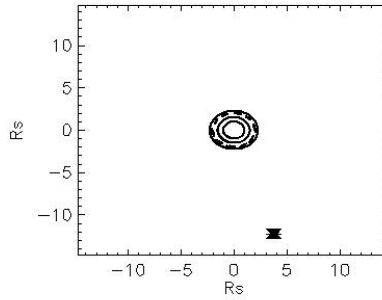
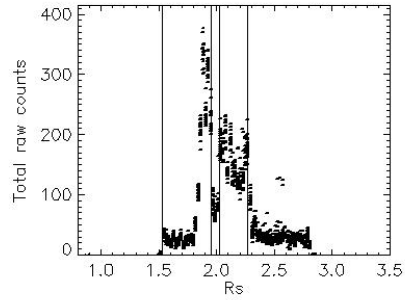
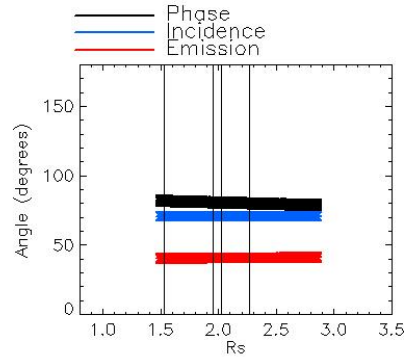
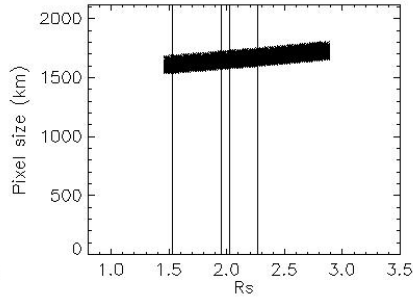
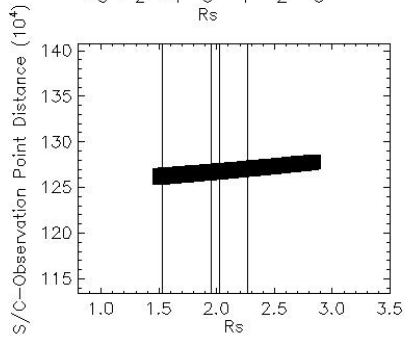


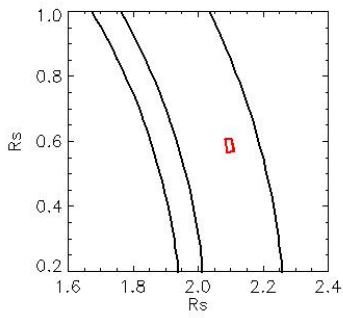
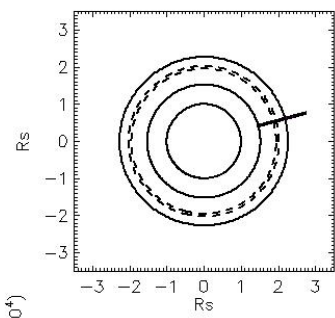
Observation Name:
UMS_196RLSHADFP3L001_CIRS

Observation Date:
2013_227_12_11_02

Observation Duration:
5400 S

Integration time = 300 S



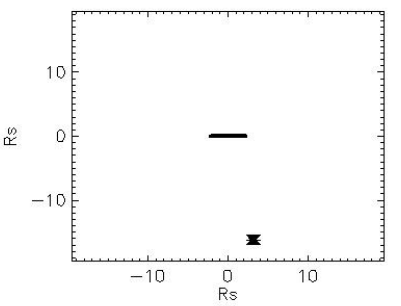
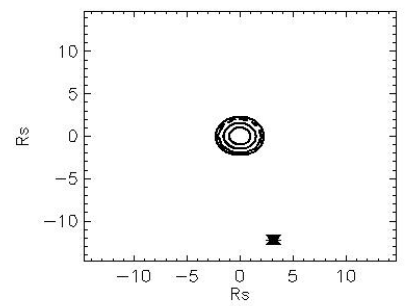
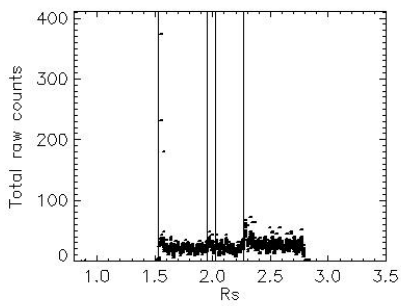
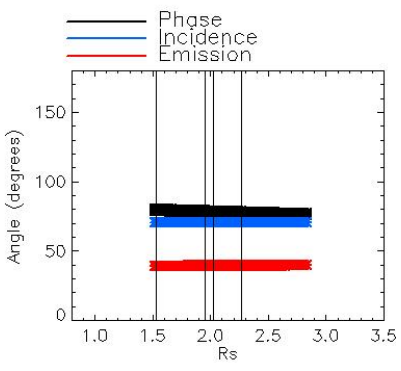
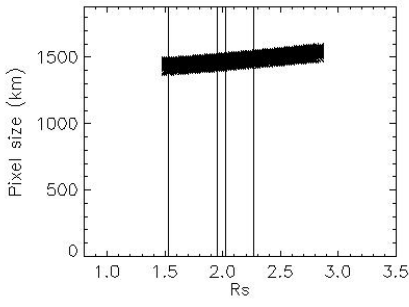
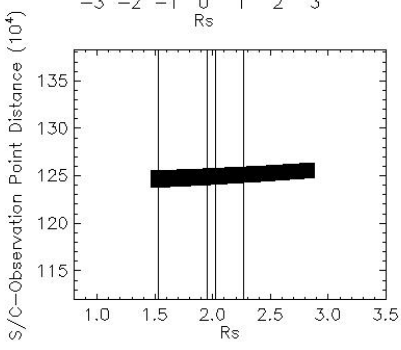


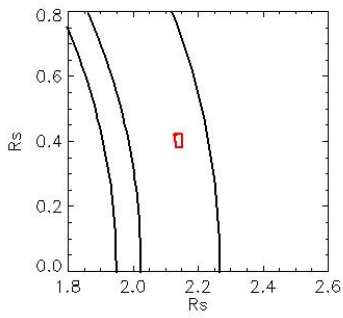
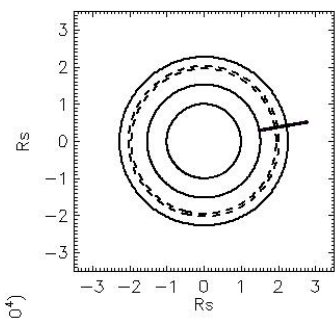
Observation Name:
UMS_196RLSHADFP3L001_CIRS

Observation Date:
2013_227_13_53_02

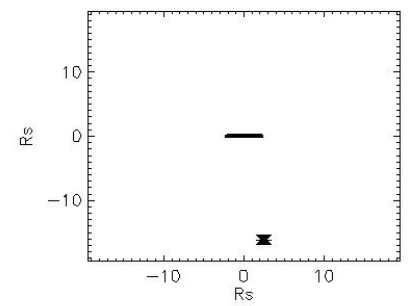
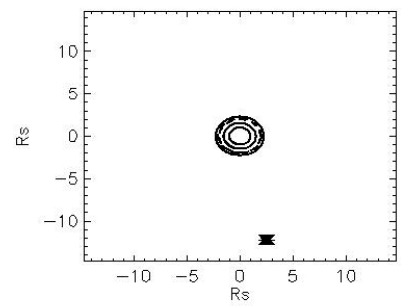
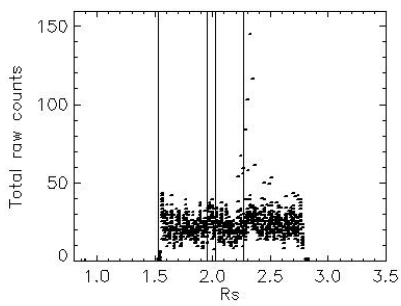
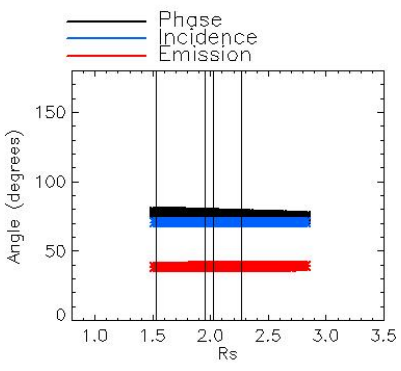
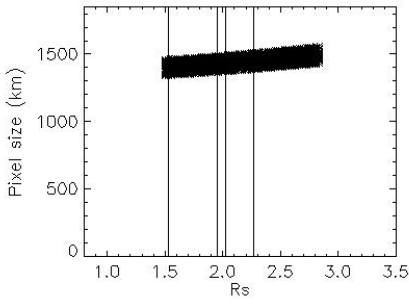
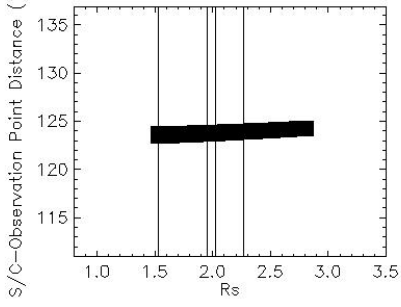
Observation Duration:
6000 S

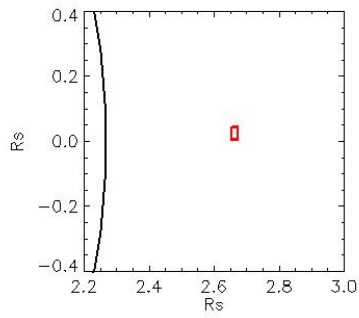
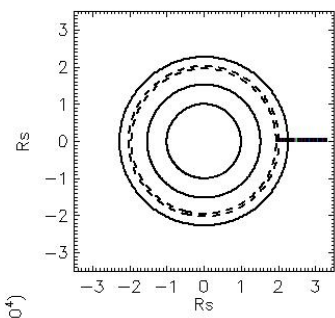
Integration time = 300 S



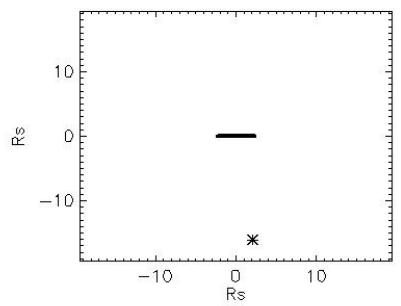
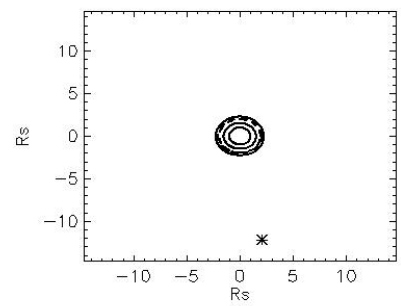
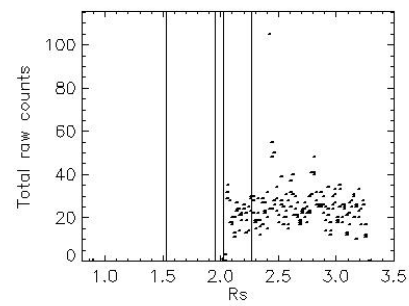
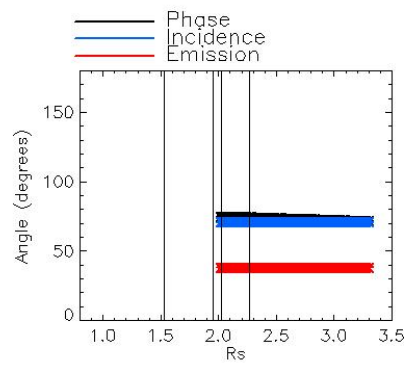
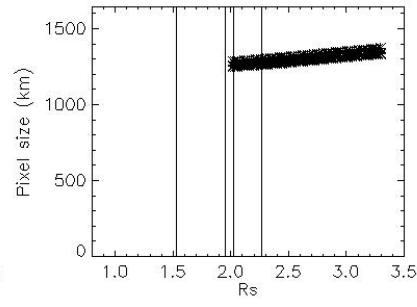
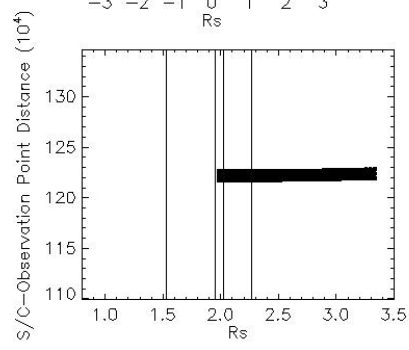


Observation Name:
 UVS_196RLSHADFP3L001_CIRS
 Observation Date:
 2013_227_15_45_02
 Observation Duration:
 6600 S
 Integration time = 300 S





Observation Name:
 UVS_196RLSHADFP3L001_CIRS
 Observation Date:
 2013_227_17_47_02
 Observation Duration:
 900 S
 Integration time = 300 S

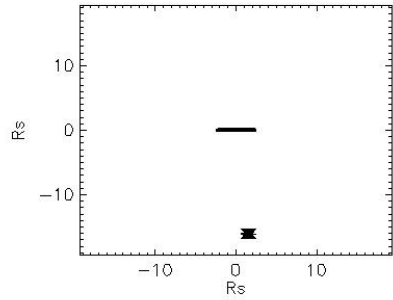
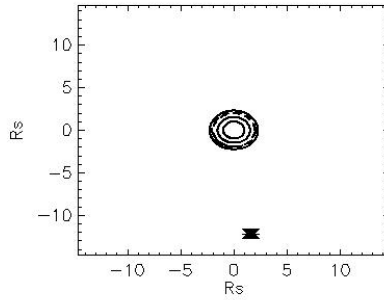
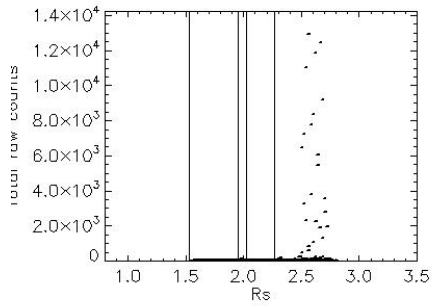
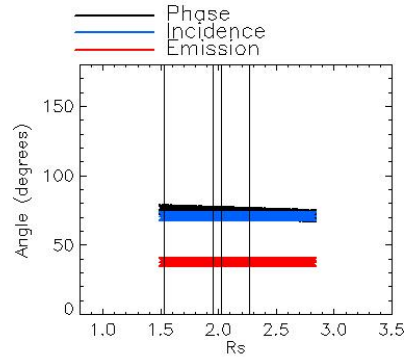
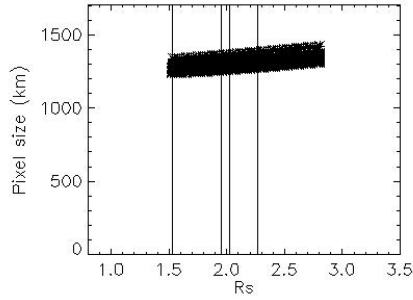
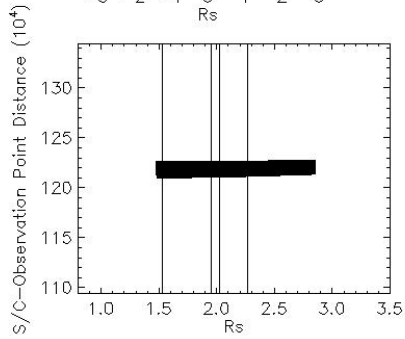
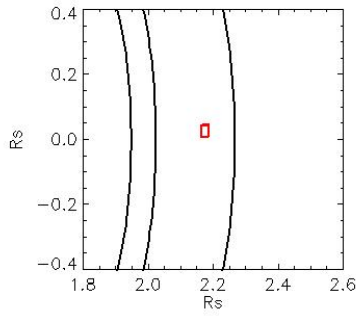
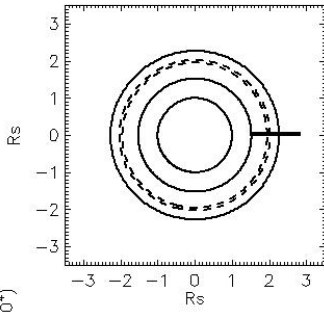


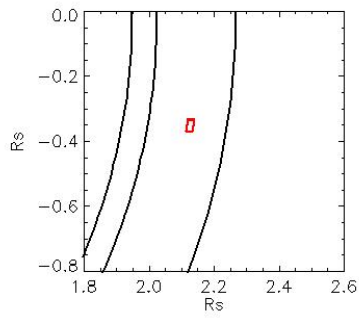
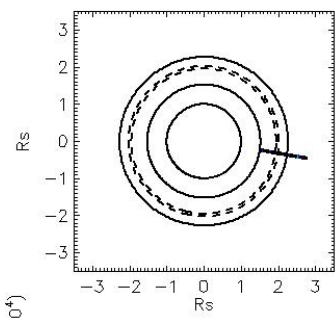
Observation Name:
UMS_196RLSHADFP3L001_CIRS

Observation Date:
2013_227_18_17_02

Observation Duration:
7200 S

Integration time = 300 S



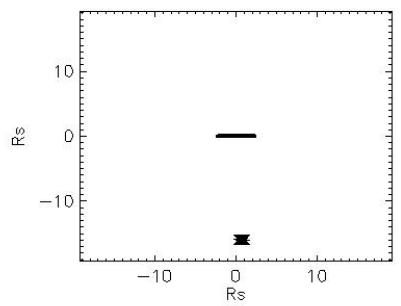
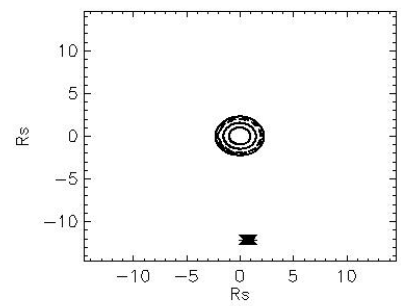
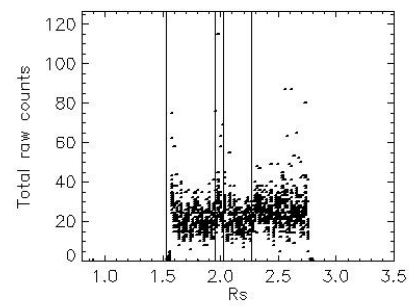
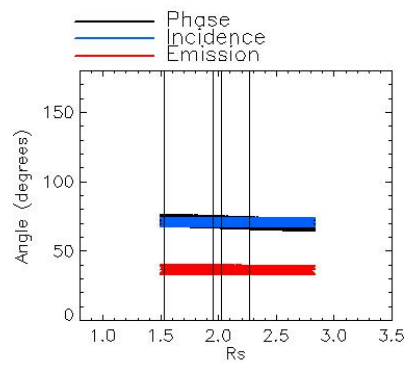
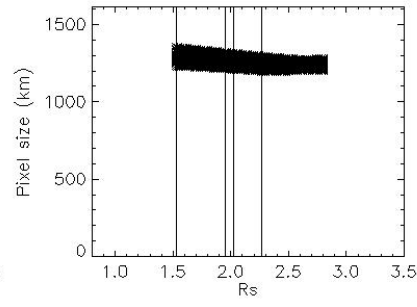
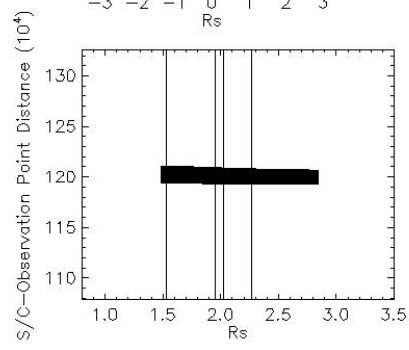


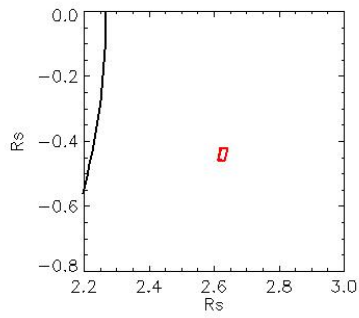
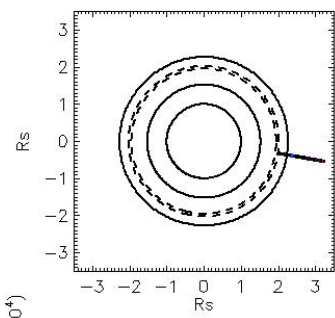
Observation Name:
UMS_196RLSHADFP3L001_CIRS

Observation Date:
2013_227_20_29_03

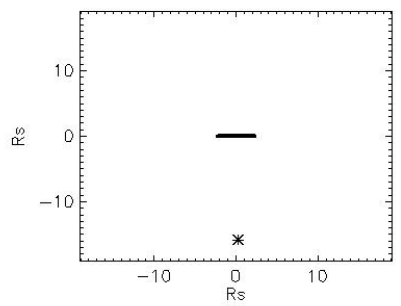
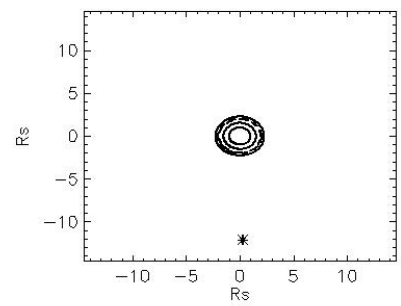
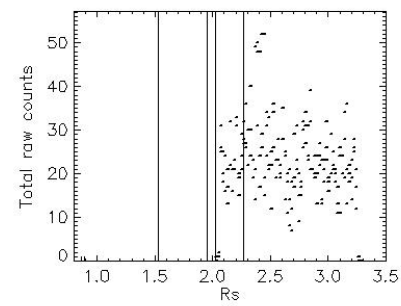
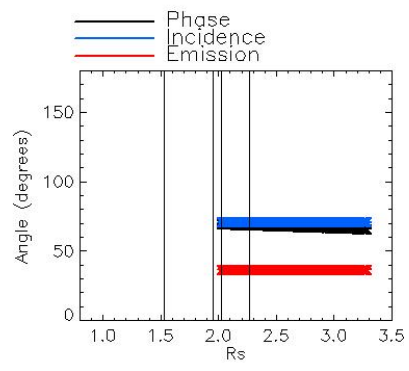
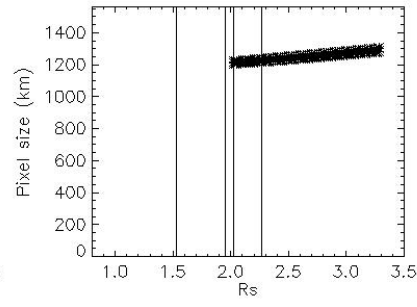
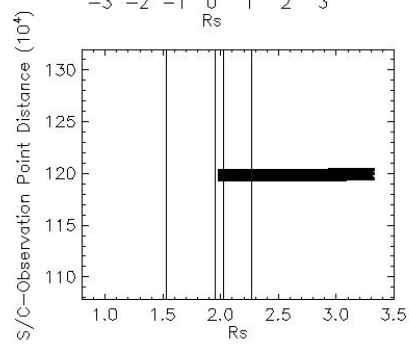
Observation Duration:
7800 S

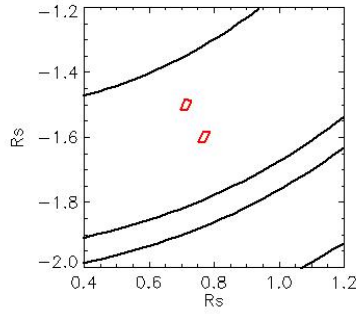
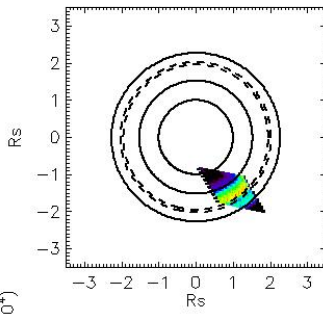
Integration time = 300 S





Observation Name:
 UVS_196RLSHADFP3L001_CIRS
 Observation Date:
 2013_227_22_51_03
 Observation Duration:
 900 S
 Integration time = 300 S



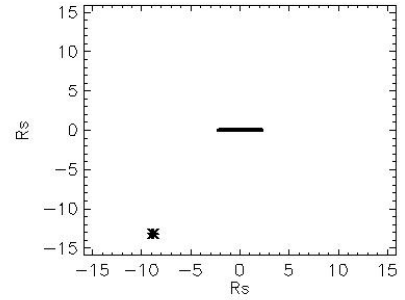
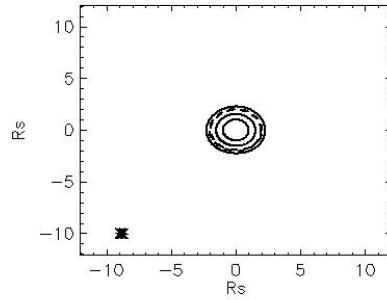
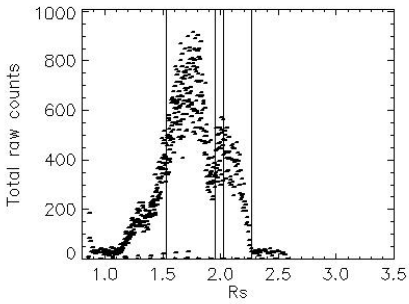
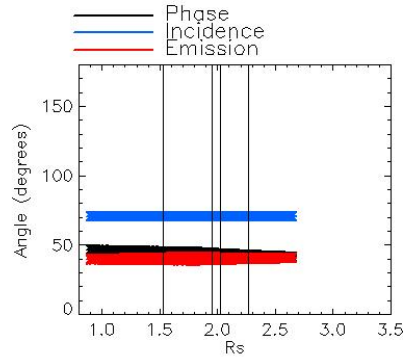
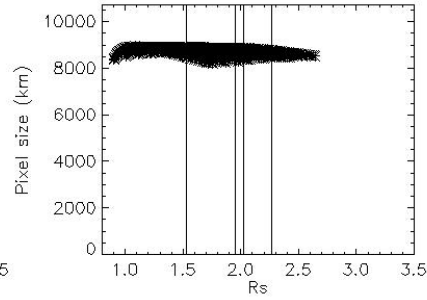
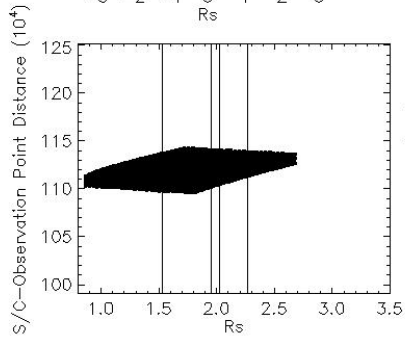


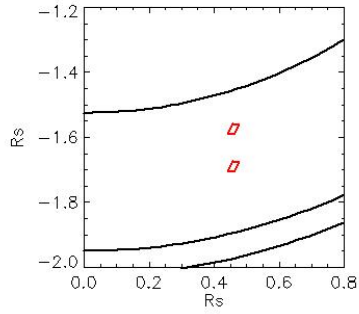
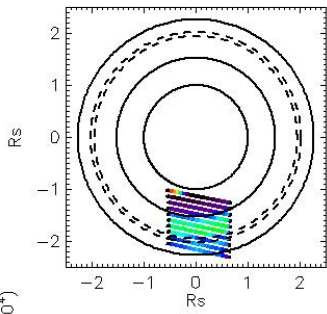
Observation Name:
UMS_196RLNP50L70024_CIRS

Observation Date:
2013_228_22_15_02

Observation Duration:
2700 S

Integration time = 300 S



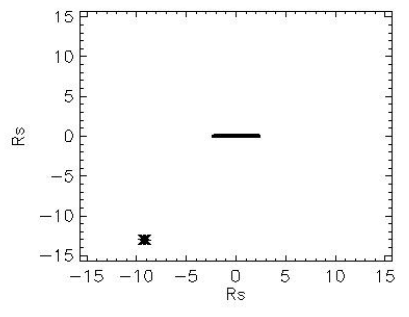
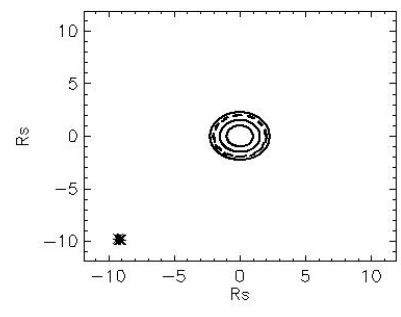
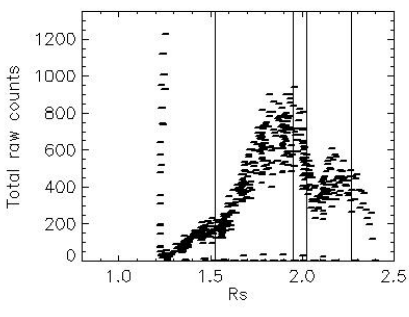
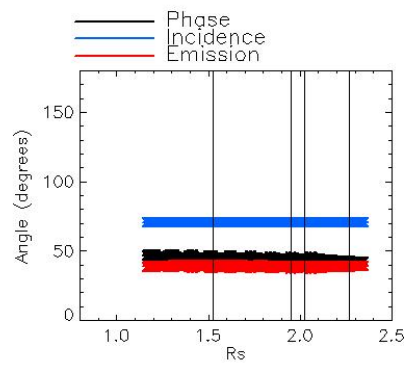
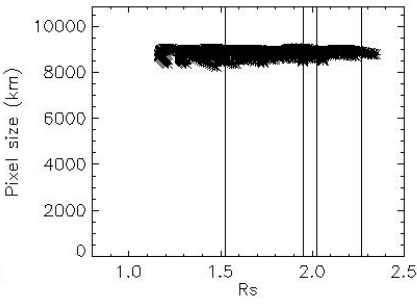
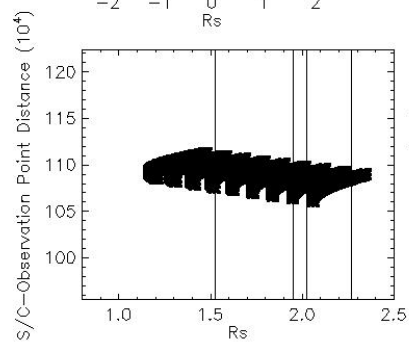


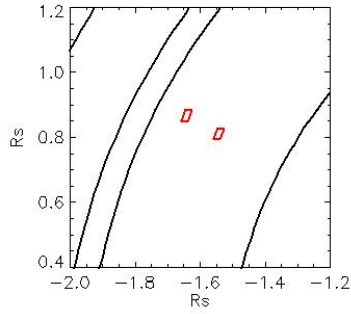
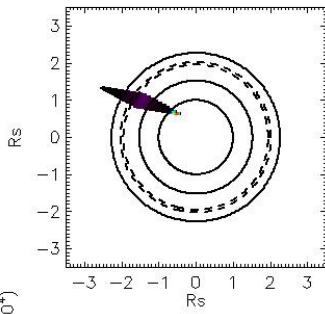
Observation Name:
UMS_196RLNP50L70024_CIRS

Observation Date:
2013_228_23_11_02

Observation Duration:
2700 S

Integration time = 300 S



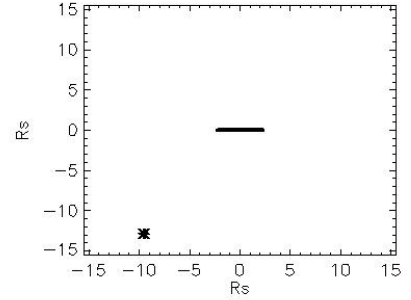
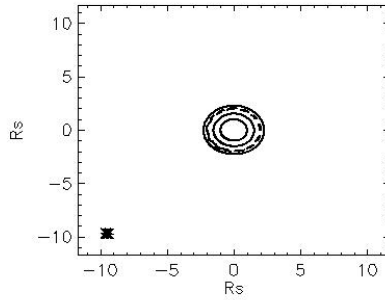
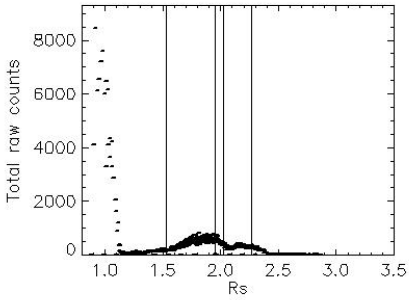
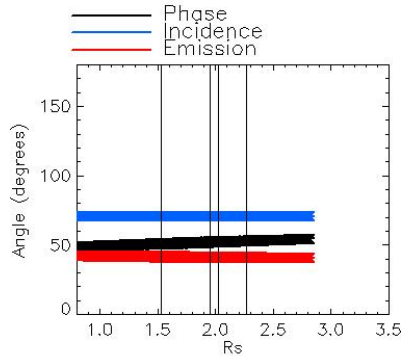
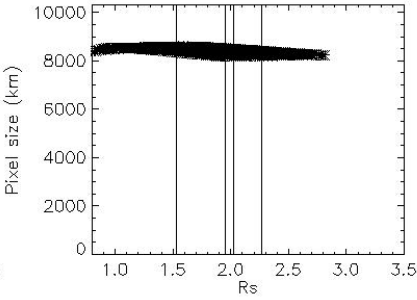
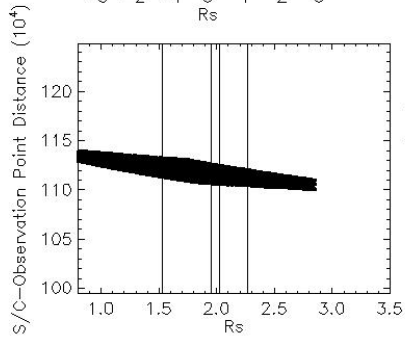


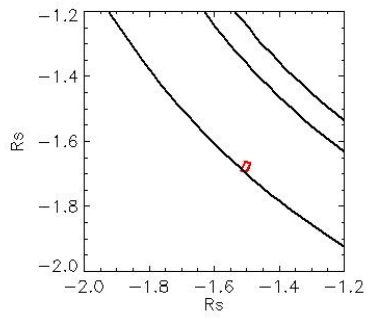
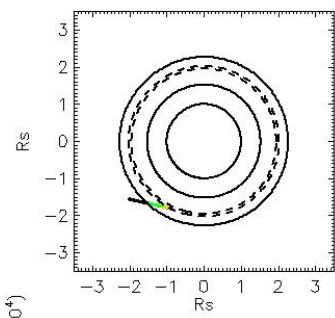
Observation Name:
UMS_196RLNP50L70024_CIRS

Observation Date:
2013_229_00_07_02

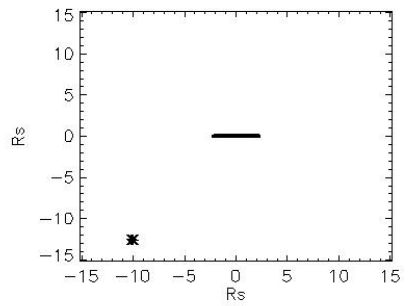
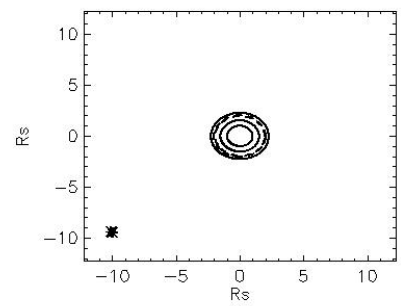
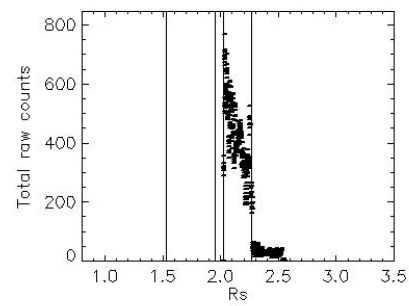
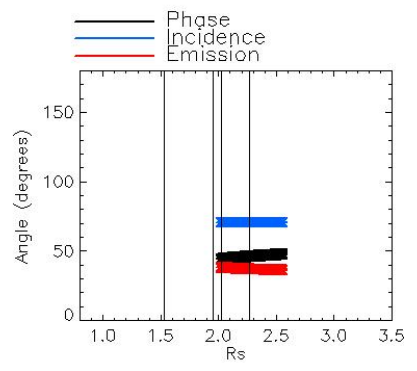
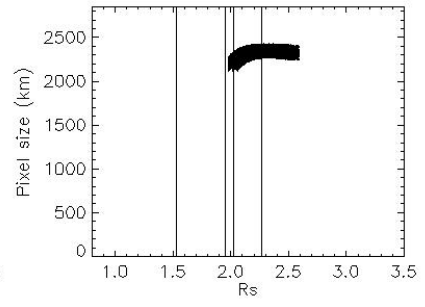
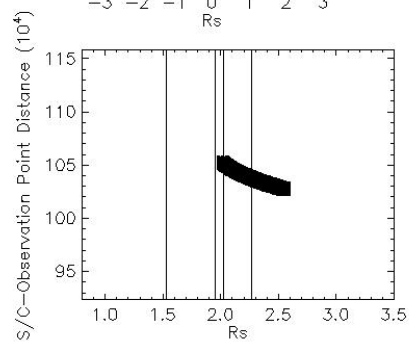
Observation Duration:
2700 S

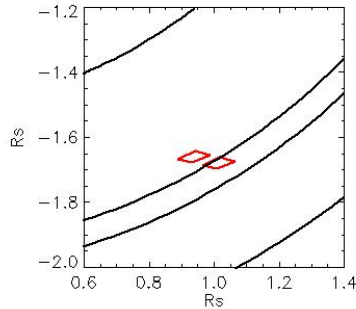
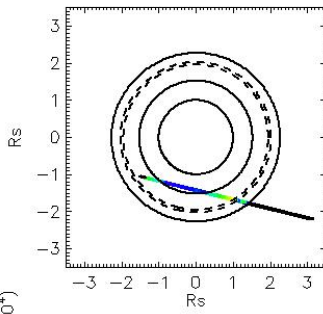
Integration time = 300 S





Observation Name:
 UVS_196RLPROPRETRO01_ISS
 Observation Date:
 2013_229_01_40_02
 Observation Duration:
 2700 S
 Integration time = 300 S



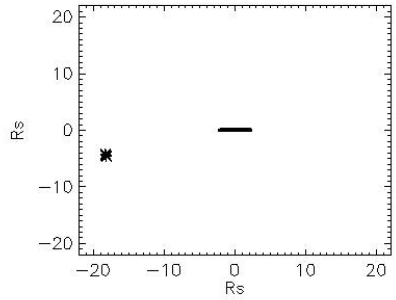
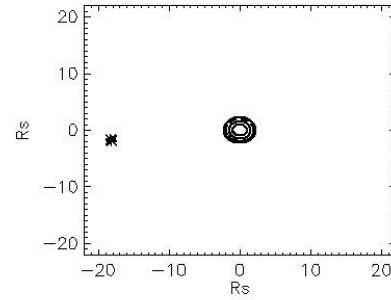
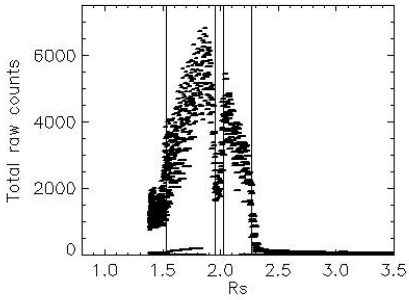
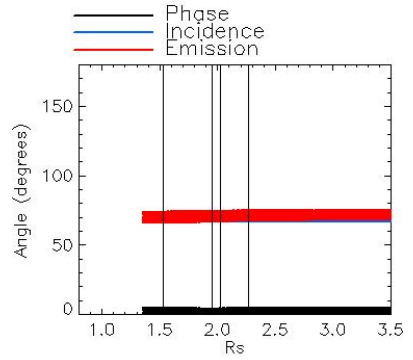
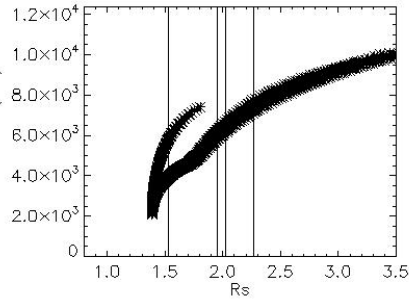
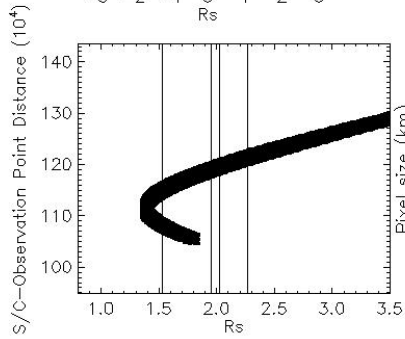


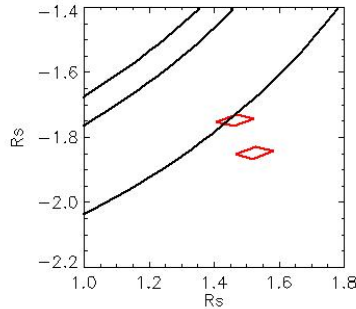
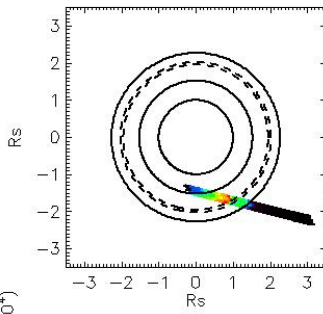
Observation Name:
UMS_196RLNP10L300028_CIRS

Observation Date:
2013_230_10_43_02

Observation Duration:
6300 S

Integration time = 300 S



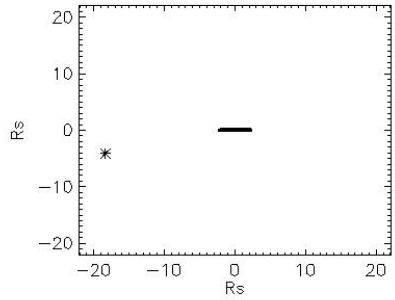
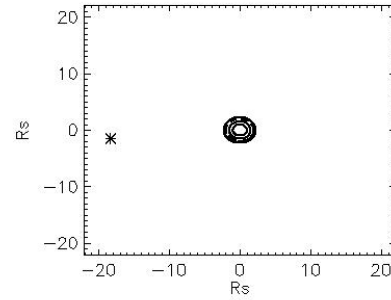
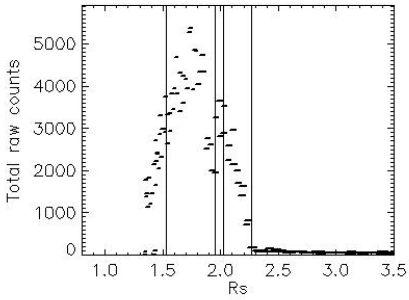
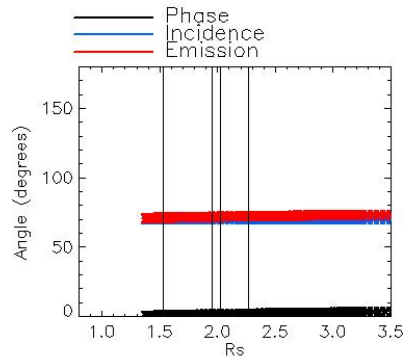
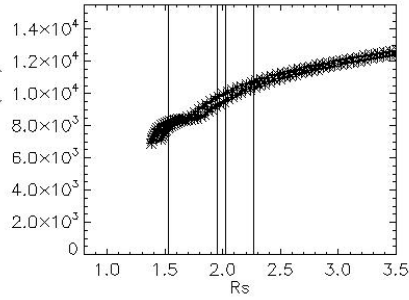
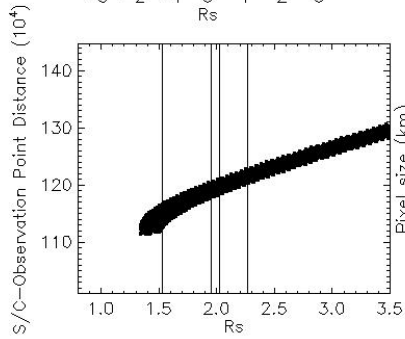


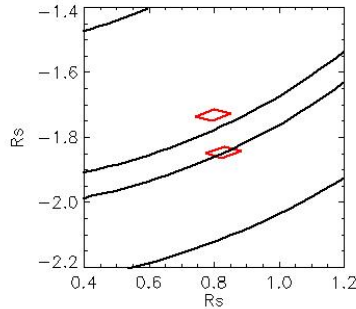
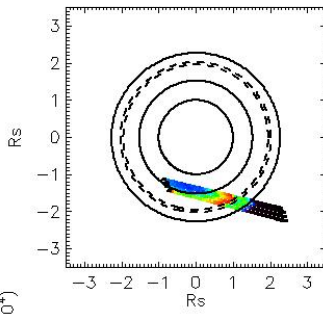
Observation Name:
UMS_196RLNP10L300028_CIRS

Observation Date:
2013_230_12_33_02

Observation Duration:
600 S

Integration time = 300 S



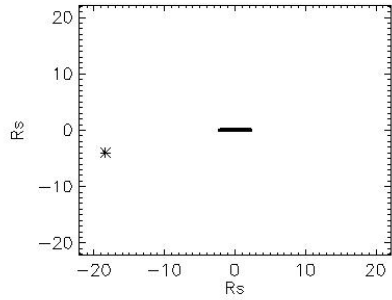
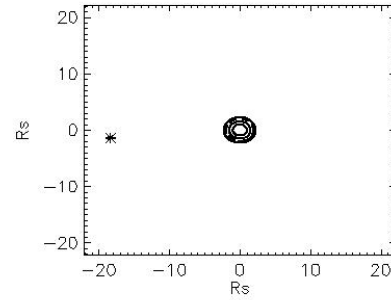
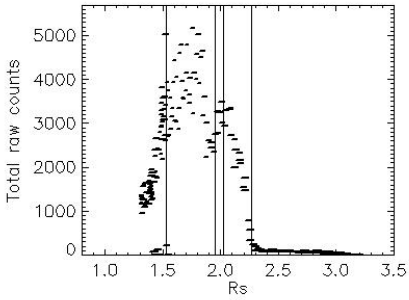
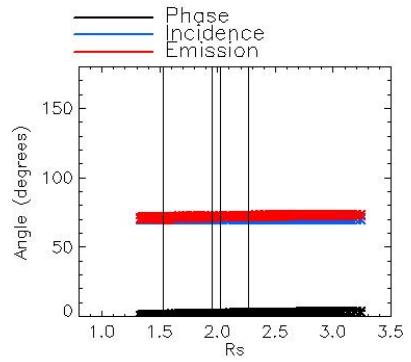
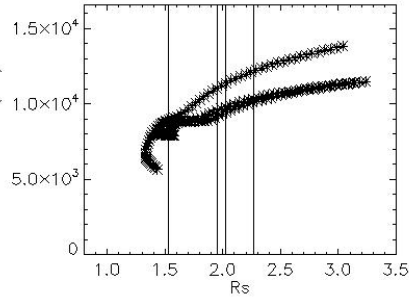
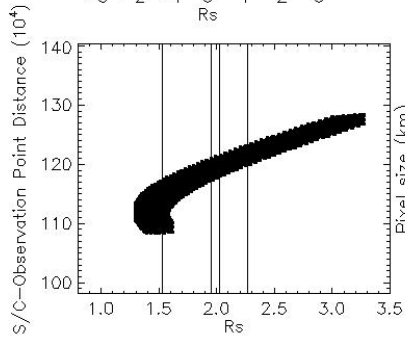


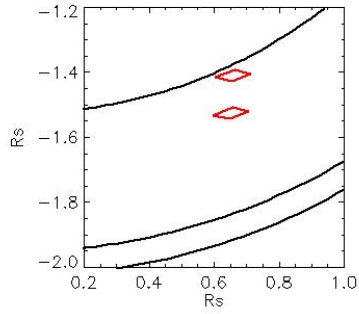
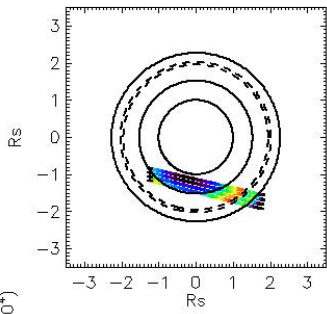
Observation Name:
UMS_196RLNP10L300028_CIRS

Observation Date:
2013_230_12_49_02

Observation Duration:
900 S

Integration time = 300 S



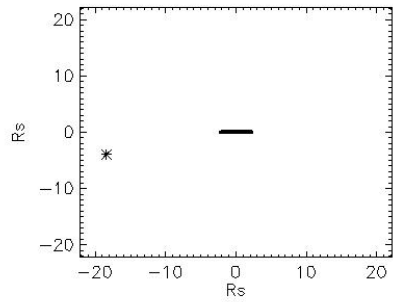
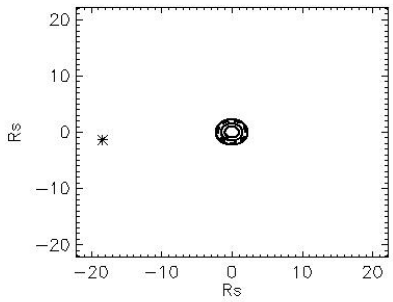
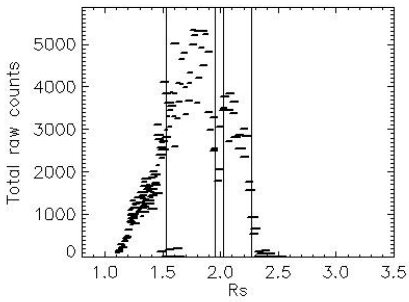
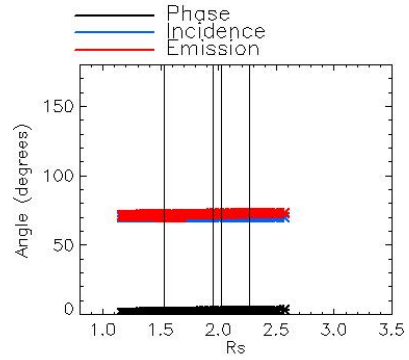
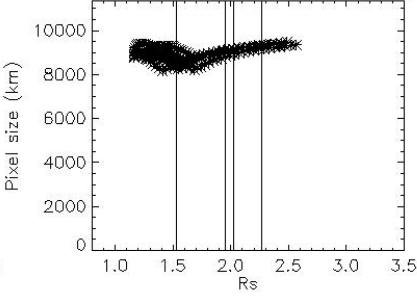
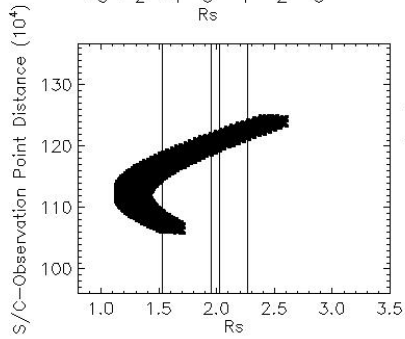


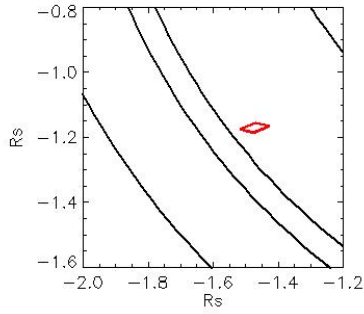
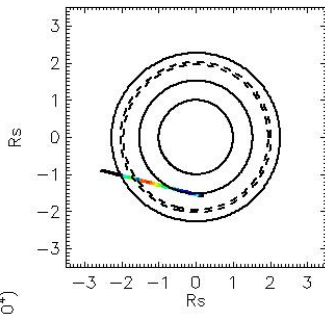
Observation Name:
UMS_196RLNP10L300028_CIRS

Observation Date:
2013_230_13_07_02

Observation Duration:
900 S

Integration time = 300 S



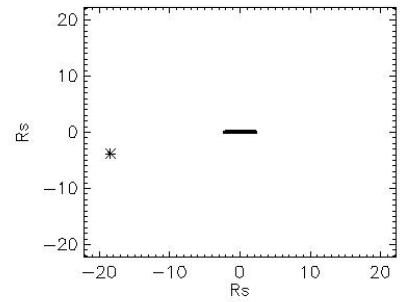
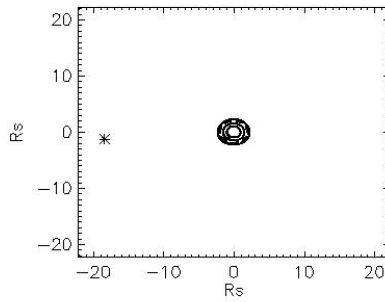
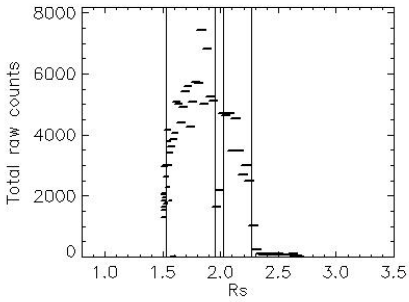
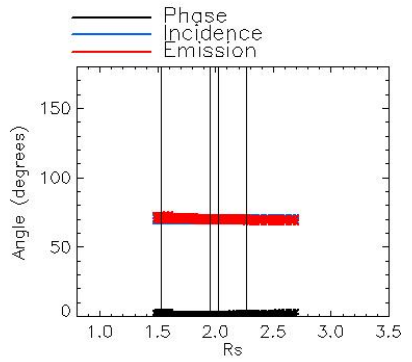
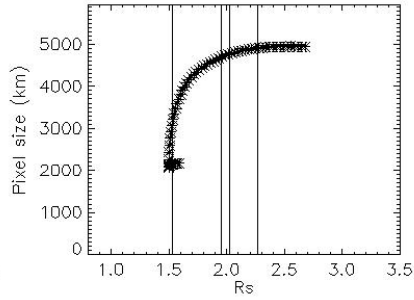
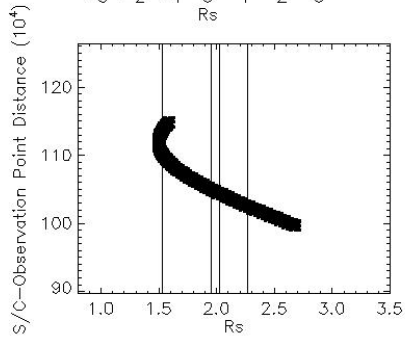


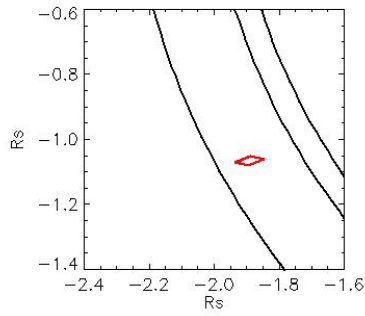
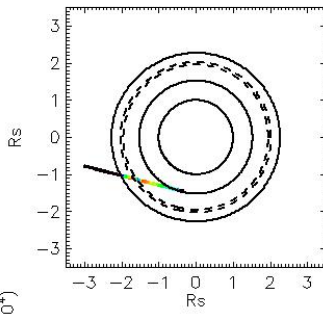
Observation Name:
UMS_196RLNP10L300028_CIRS

Observation Date:
2013_230_13_30_02

Observation Duration:
300 S

Integration time = 300 S



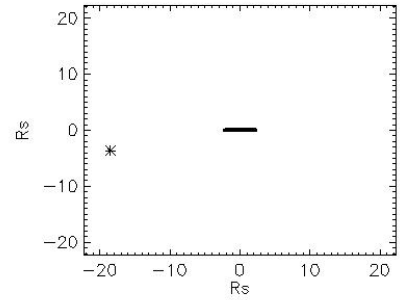
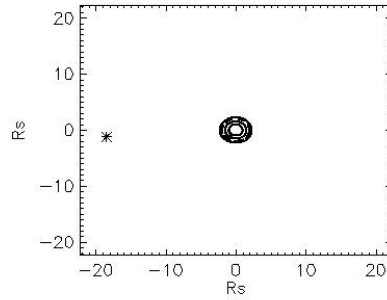
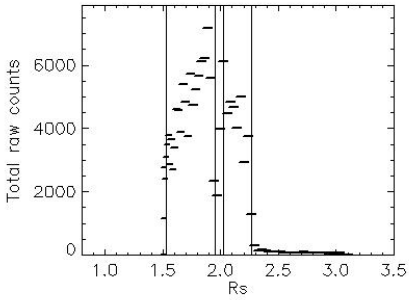
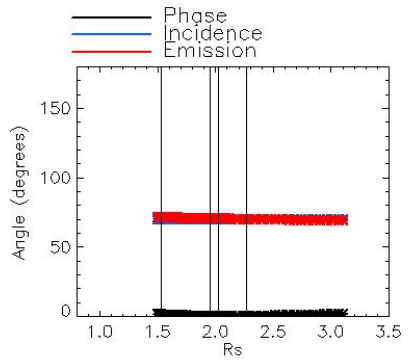
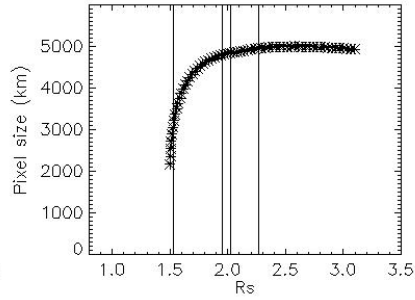
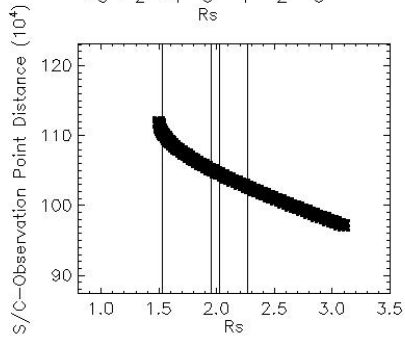


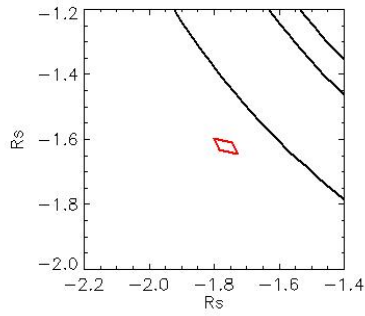
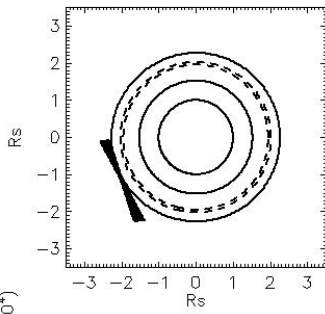
Observation Name:
UMS_196RLNP10L300028_CIRS

Observation Date:
2013_230_14_00_02

Observation Duration:
300 S

Integration time = 300 S



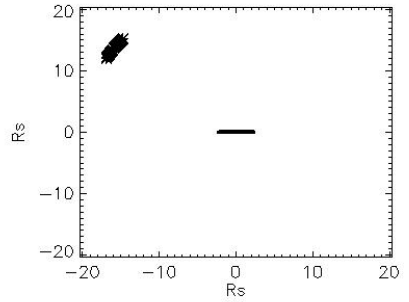
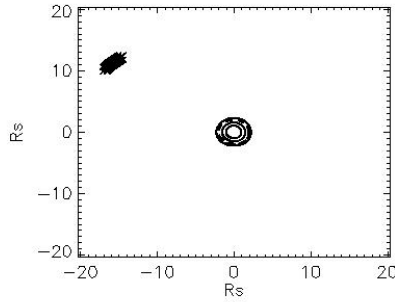
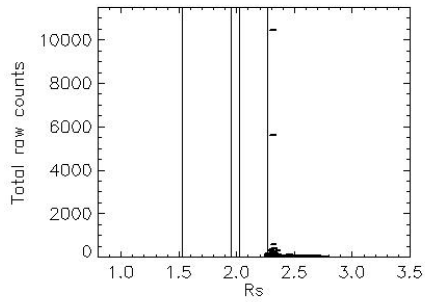
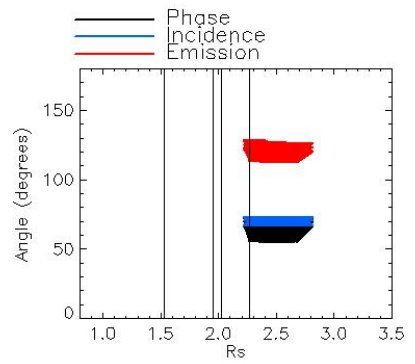
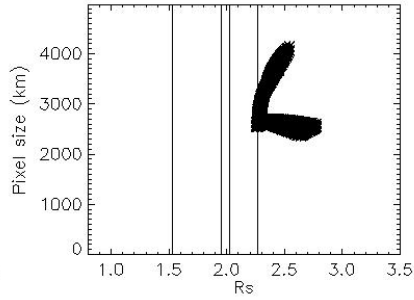
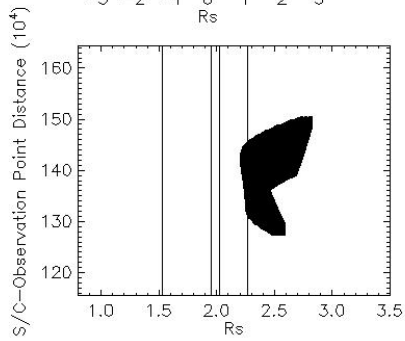


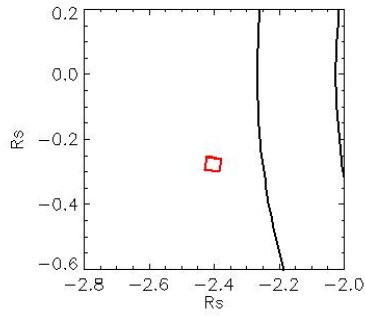
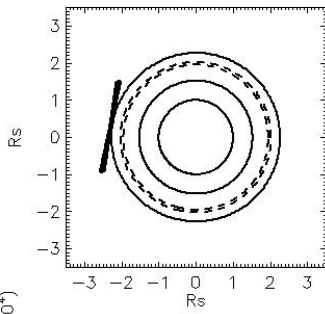
Observation Name:
UWS_196RLFM0VIE003_ISS

Observation Date:
2013_232_21_53_40

Observation Duration:
53400 S

Integration time = 300 S



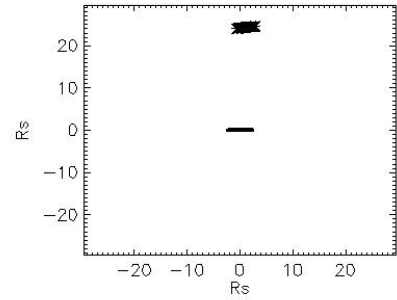
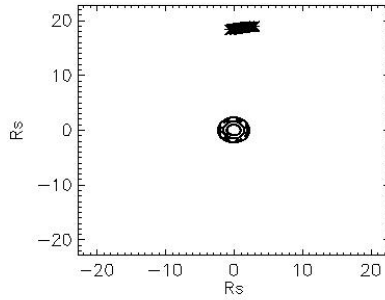
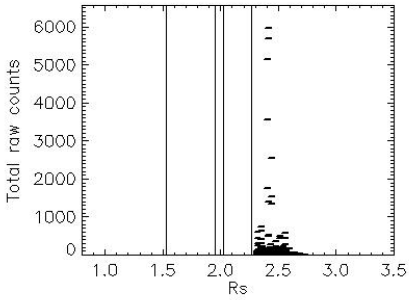
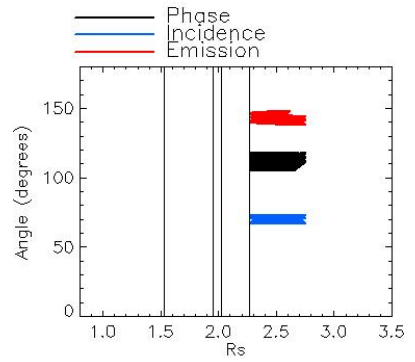
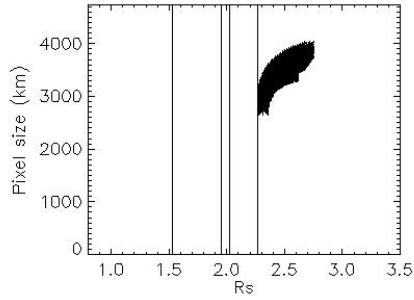
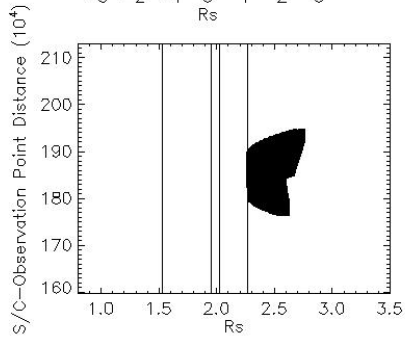


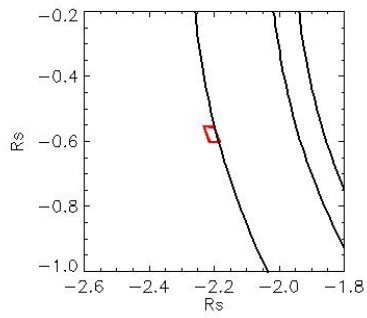
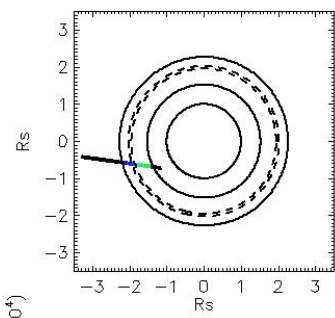
Observation Name:
UVS_196RLFM0VIE004_IJS

Observation Date:
2013_236_10_07_43

Observation Duration:
53400 S

Integration time = 300 S





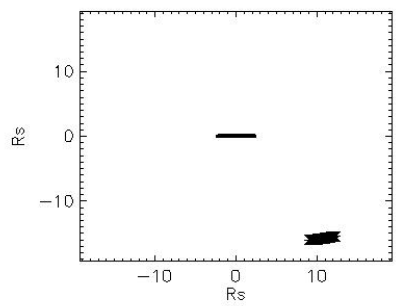
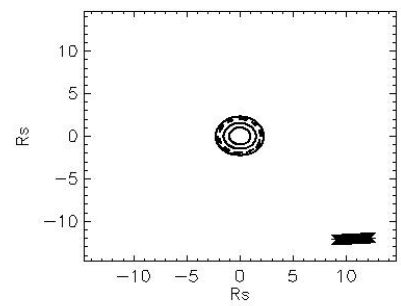
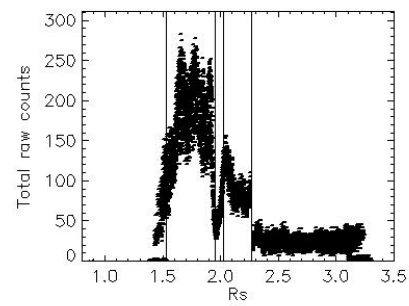
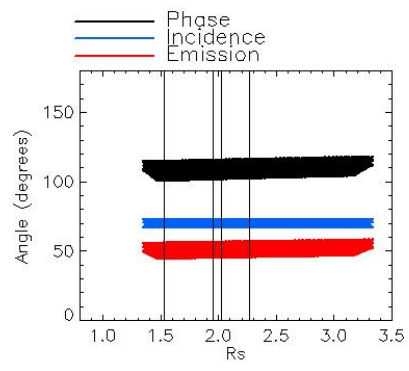
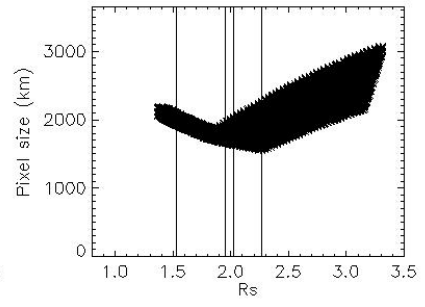
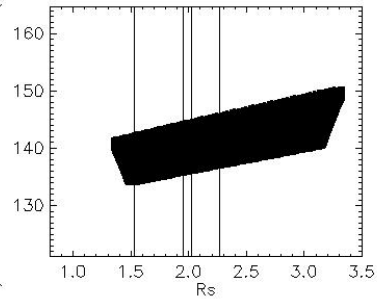
Observation Name:
UVS_197RLFM0VIE007_ISS

Observation Date:
2013_250_08_30_42

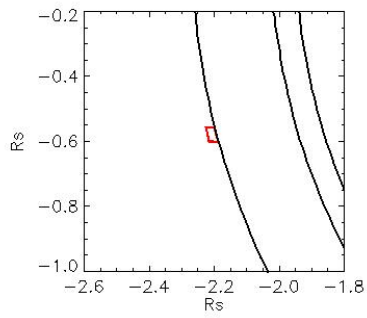
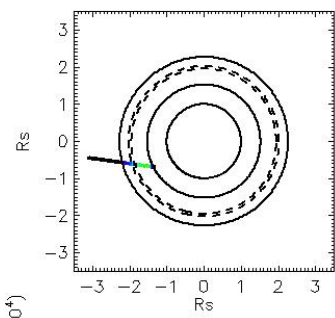
Observation Duration:
37800 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission

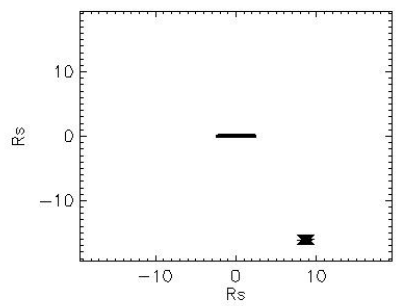
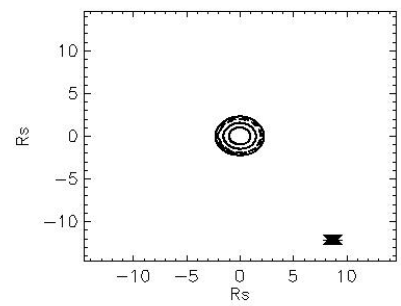
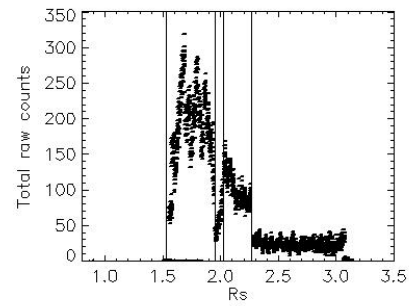
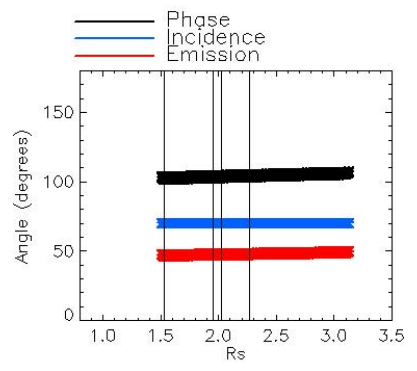
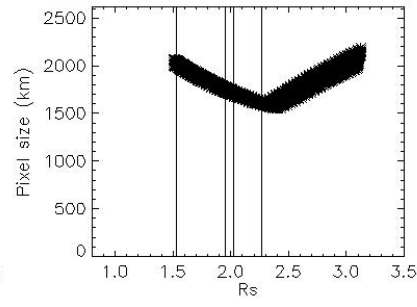
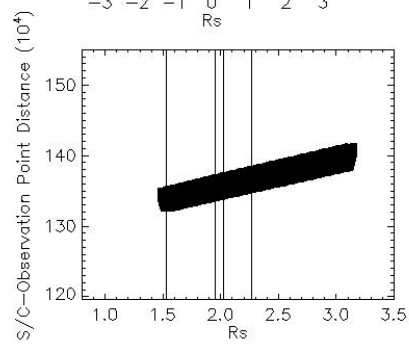


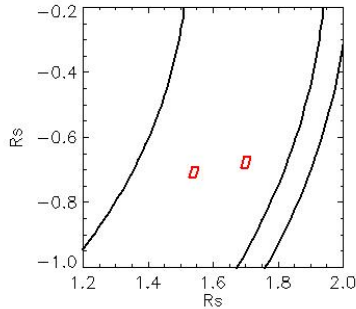
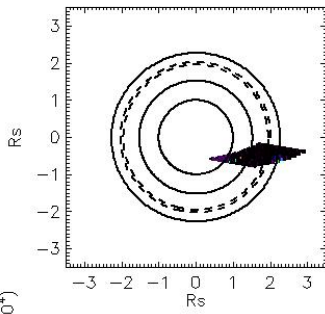
Observation Name:
UMS_197RLFM0VIE007_ISS

Observation Date:
2013_250_19_00_42

Observation Duration:
9900 S

Integration time = 300 S



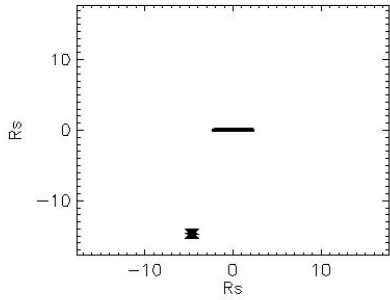
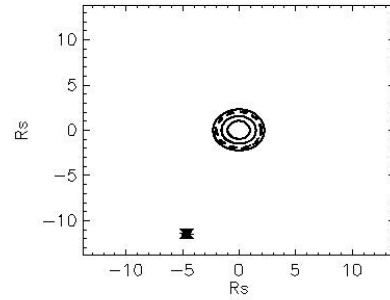
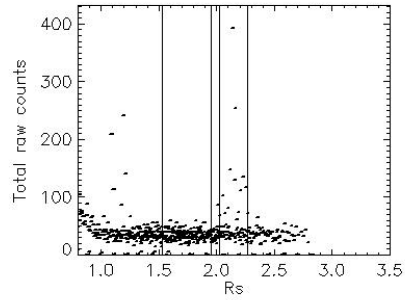
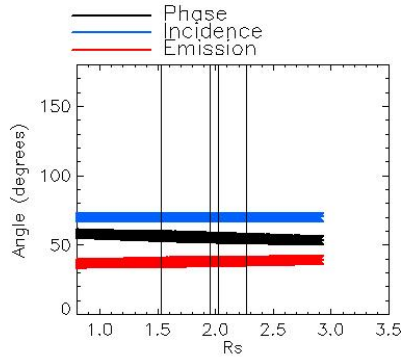
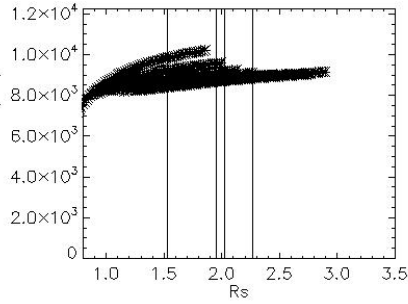
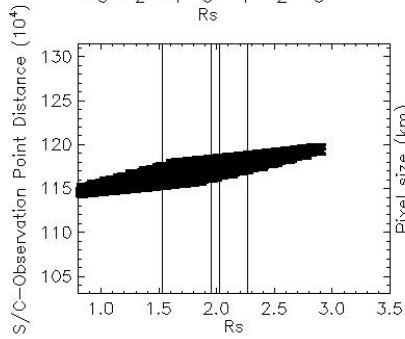


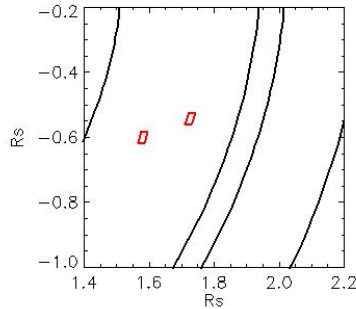
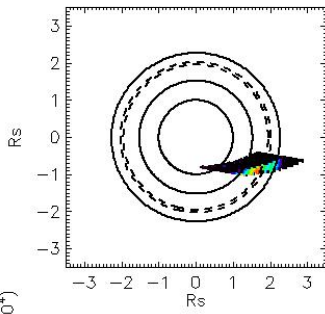
Observation Name:
UMS_197RLSHADEGRL001_CIRS

Observation Date:
2013_252_09_48_02

Observation Duration:
4320 S

Integration time = 480 S



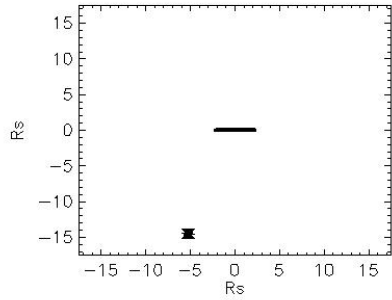
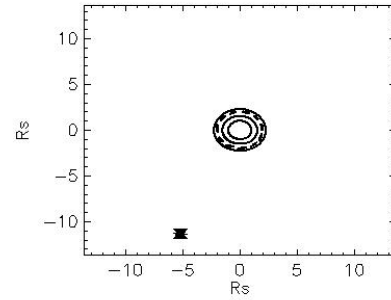
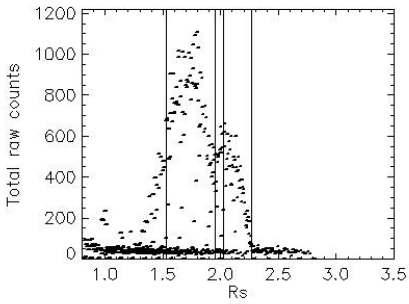
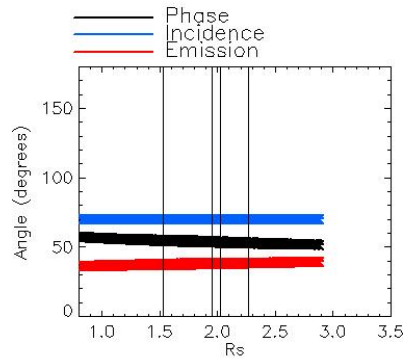
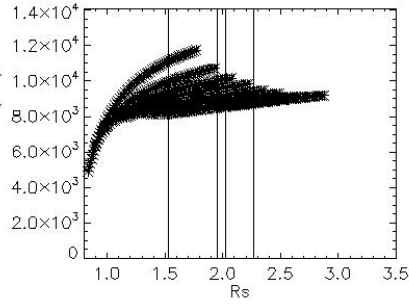
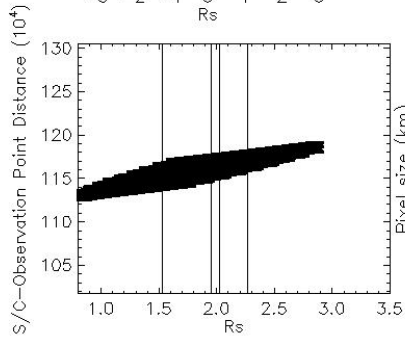


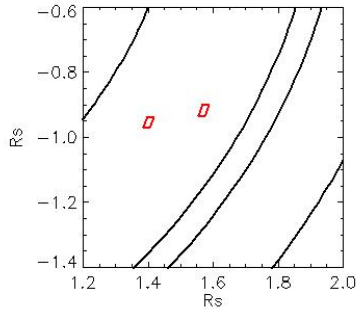
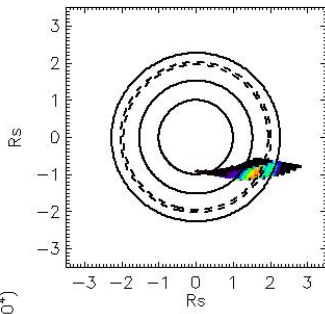
Observation Name:
UMS_197RLSHADEGRL001_CIRS

Observation Date:
2013_252_11_15_32

Observation Duration:
4320 S

Integration time = 480 S



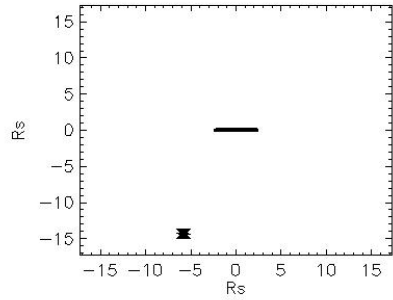
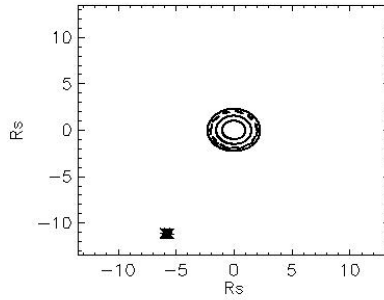
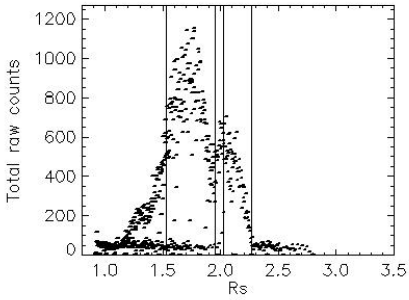
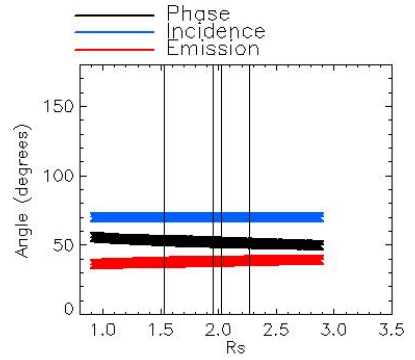
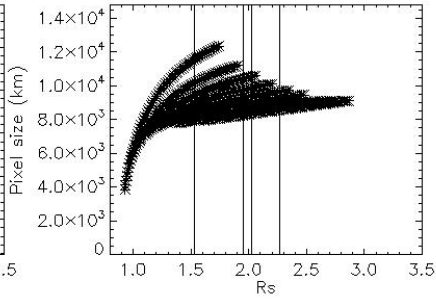
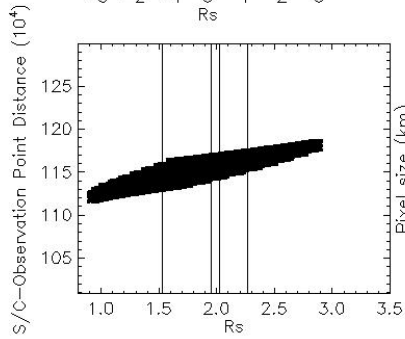


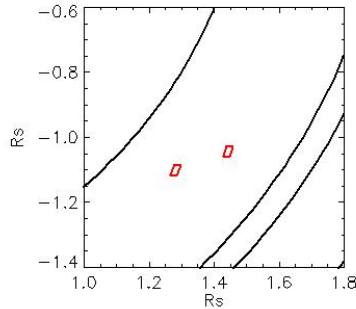
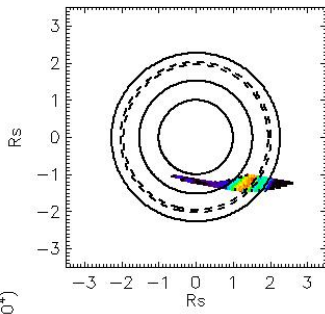
Observation Name:
UMS_197RLSHADEGRL001_CIRS

Observation Date:
2013_252_12_43_02

Observation Duration:
4320 S

Integration time = 480 S



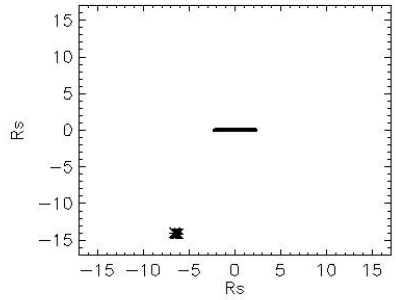
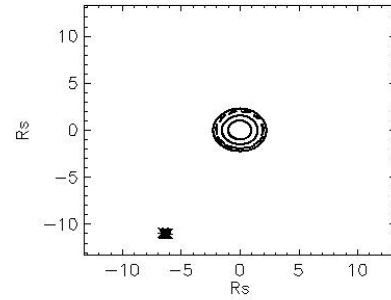
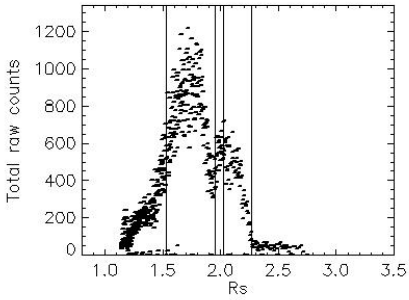
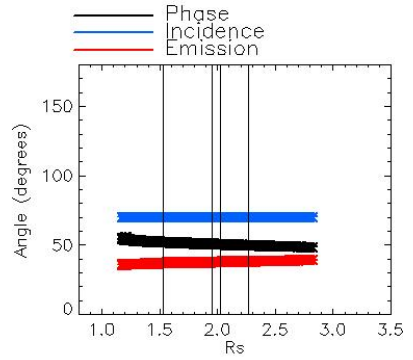
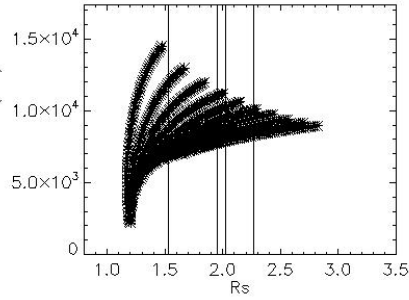
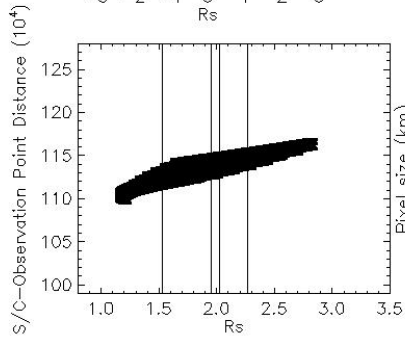


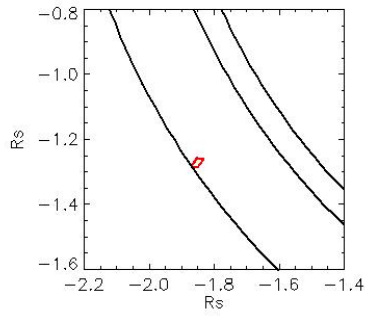
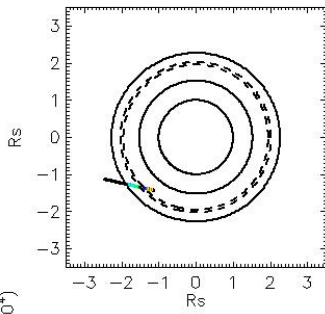
Observation Name:
UMS_197RLSHADEGRL001_CIRS

Observation Date:
2013_252_14_08_02

Observation Duration:
4800 S

Integration time = 480 S



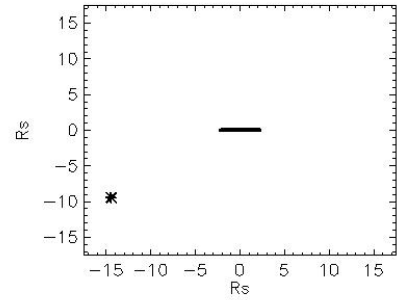
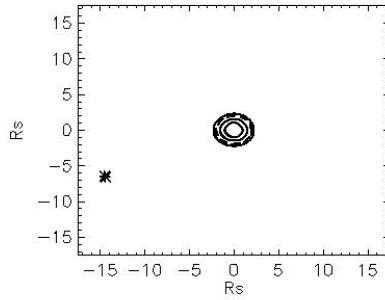
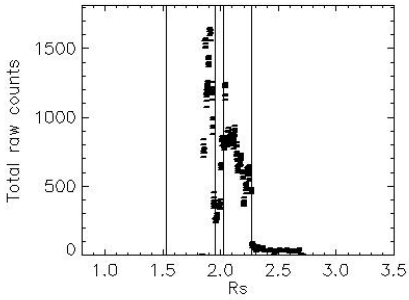
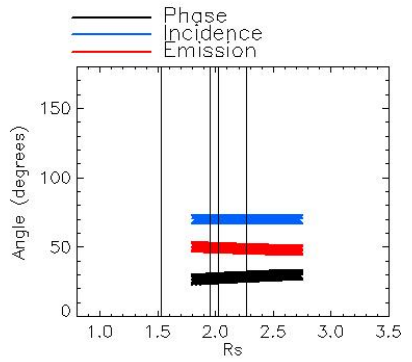
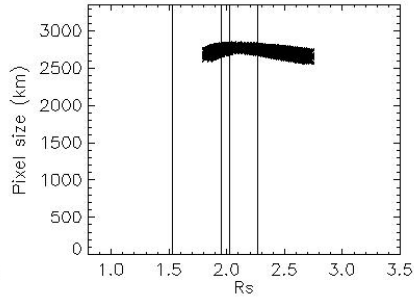
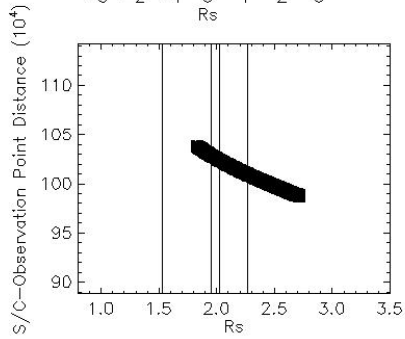


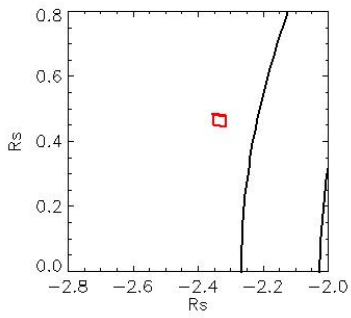
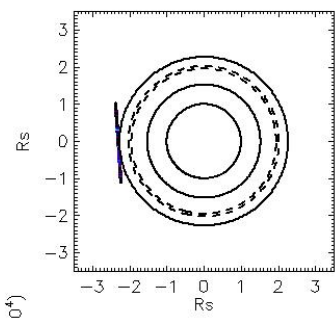
Observation Name:
UMS_197RLPROPTRG001_ISS

Observation Date:
2013_253_14_32_03

Observation Duration:
2700 S

Integration time = 300 S





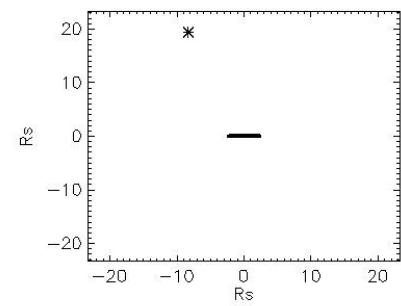
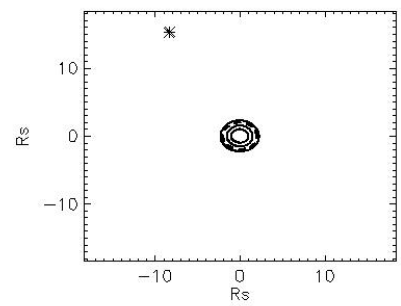
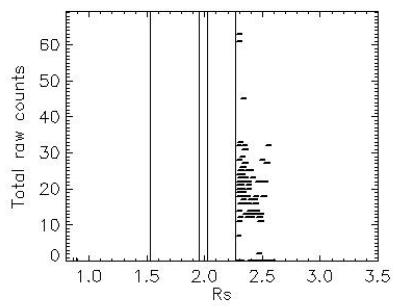
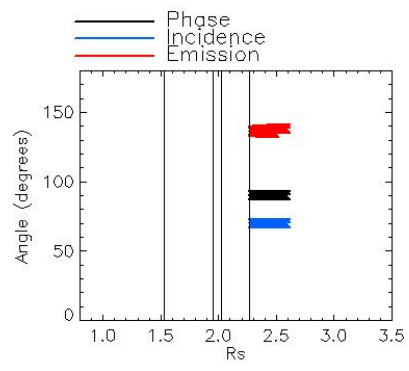
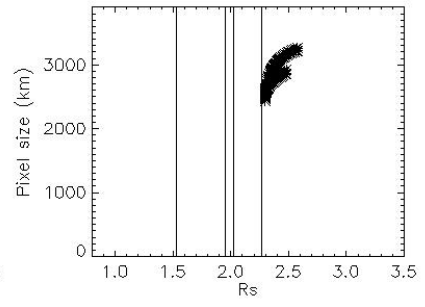
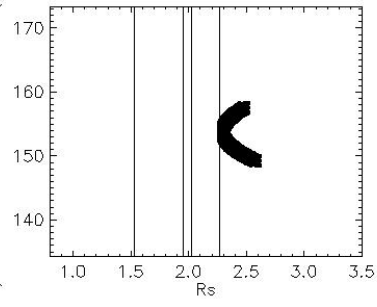
Observation Name:
UMS_197RLFM0VIE002_ISS

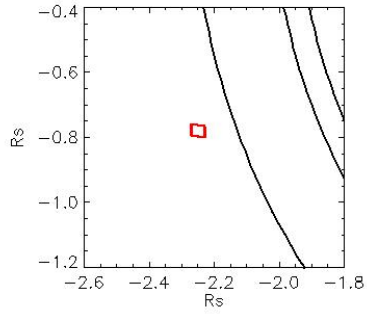
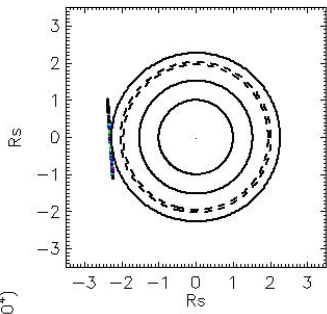
Observation Date:
2013_258_08_11_30

Observation Duration:
600 S

Integration time = 300 S

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



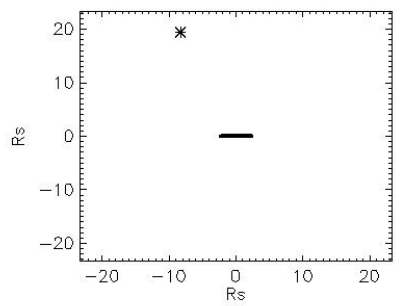
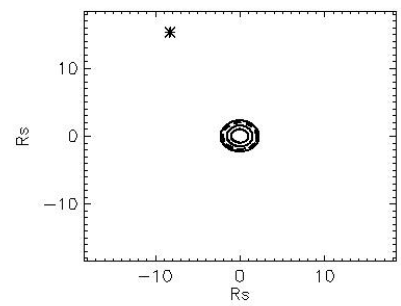
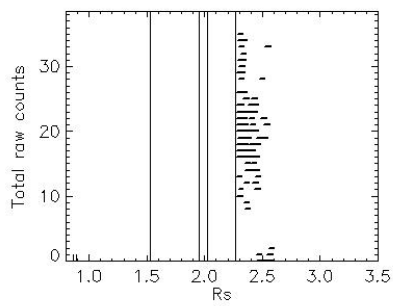
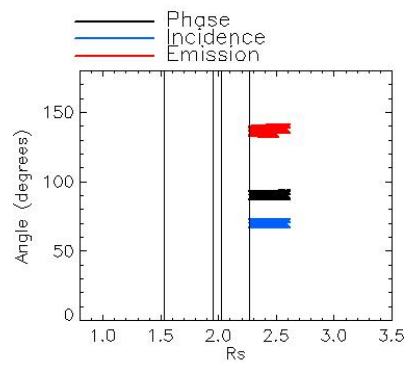
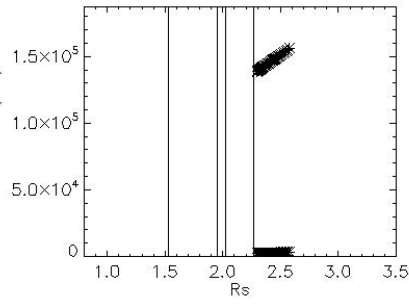
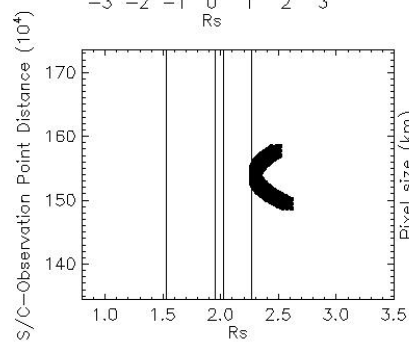


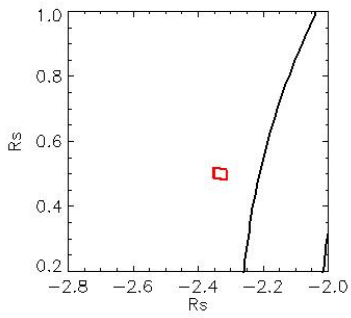
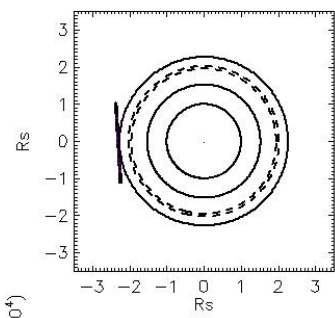
Observation Name:
UMS_197RLFM0VIE002_ISS

Observation Date:
2013_258_08_21_30

Observation Duration:
900 S

Integration time = 300 S



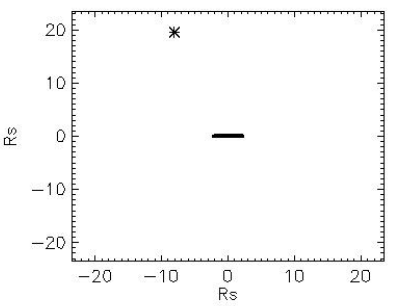
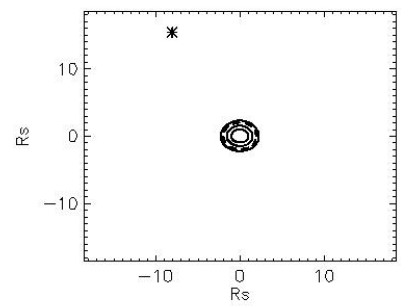
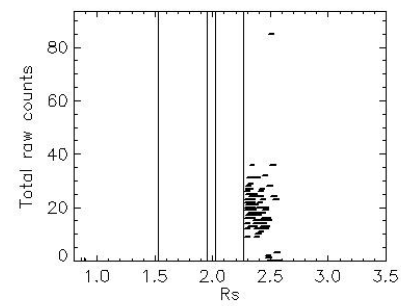
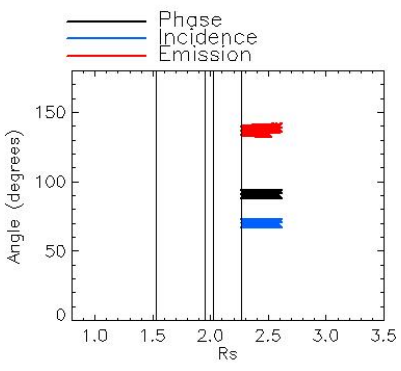
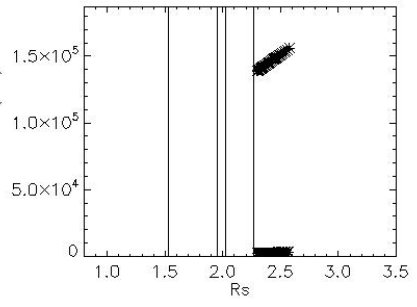
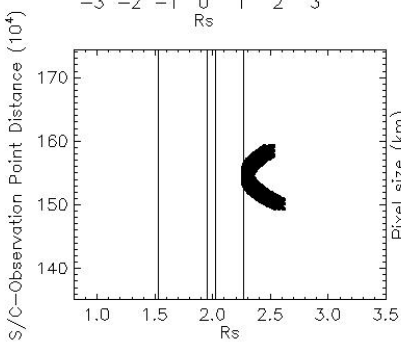


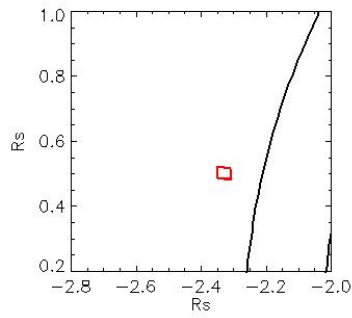
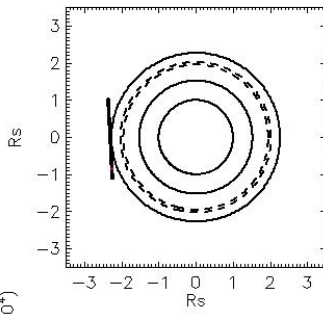
Observation Name:
UMS_197RLFM0VIE002_ISS

Observation Date:
2013_258_09_16_30

Observation Duration:
900 S

Integration time = 300 S



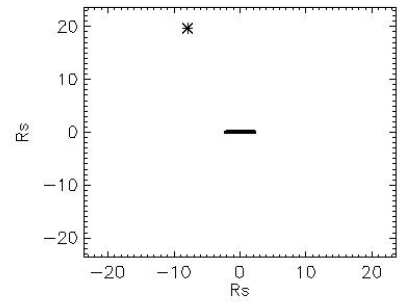
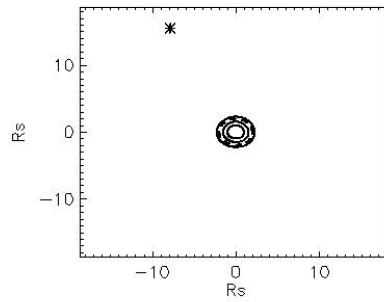
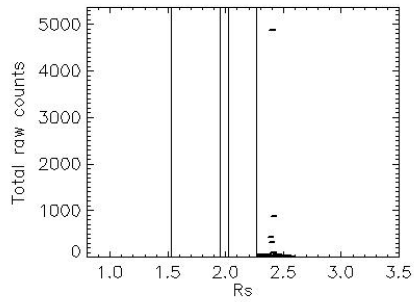
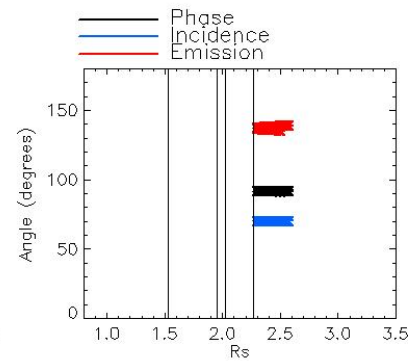
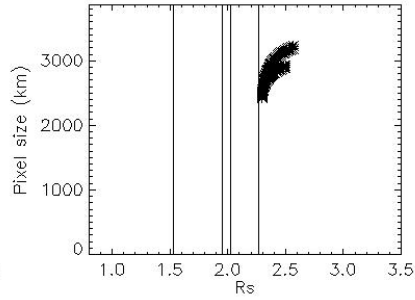
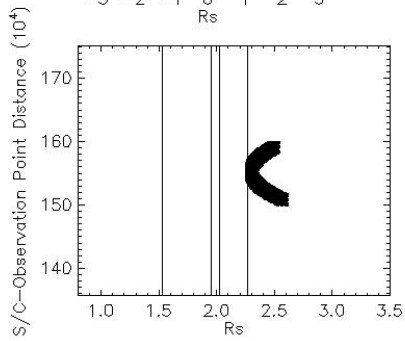


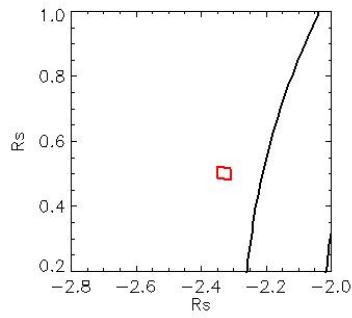
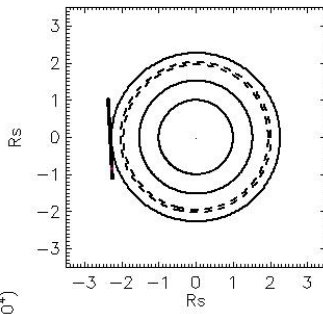
Observation Name:
UMS_197RLFM0VIE002_ISS

Observation Date:
2013_258_10_06_30

Observation Duration:
900 S

Integration time = 300 S



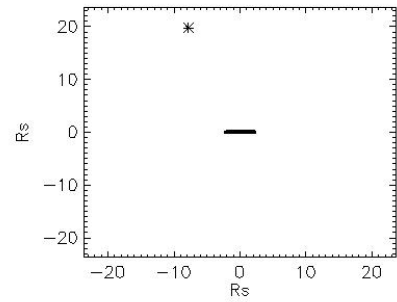
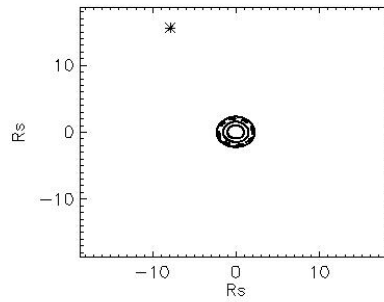
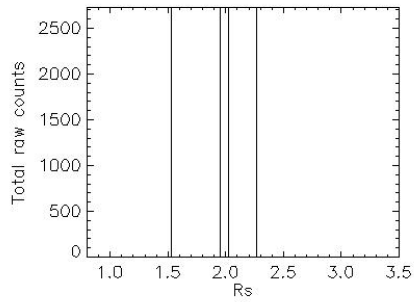
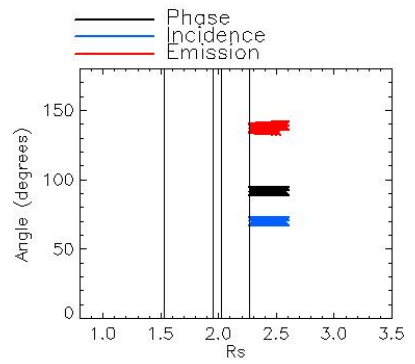
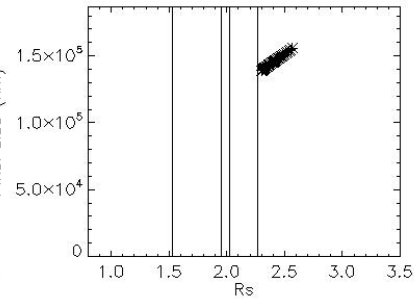
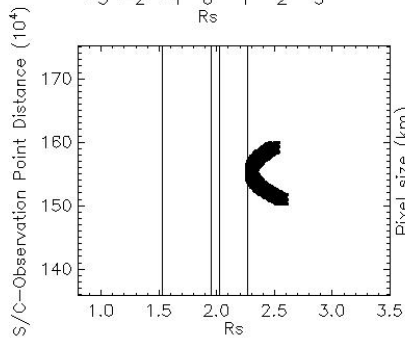


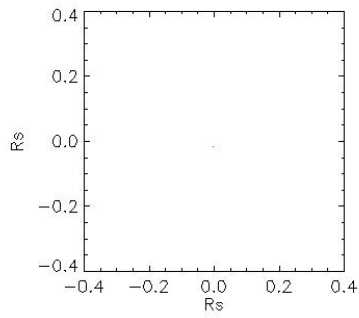
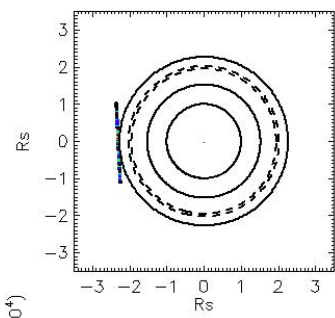
Observation Name:
UMS_197RLFM0VIE002_ISS

Observation Date:
2013_258_10_21_30

Observation Duration:
300 S

Integration time = 300 S



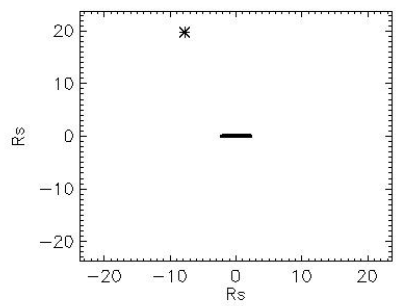
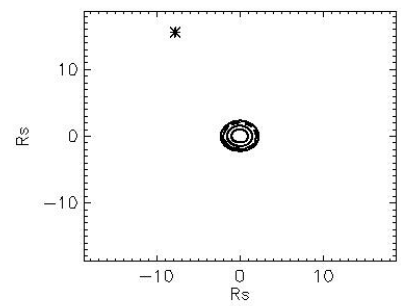
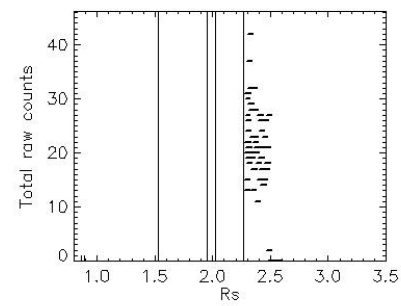
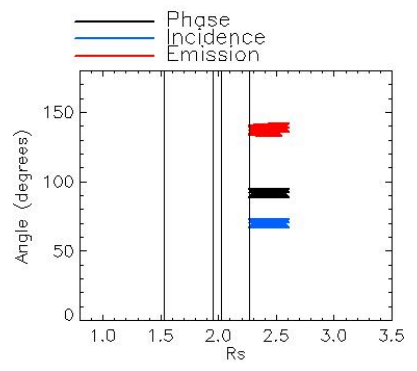
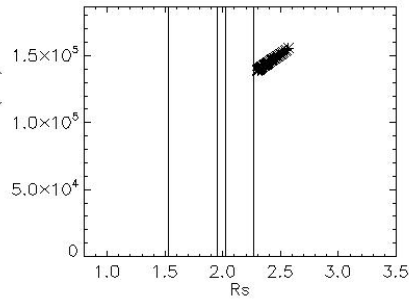
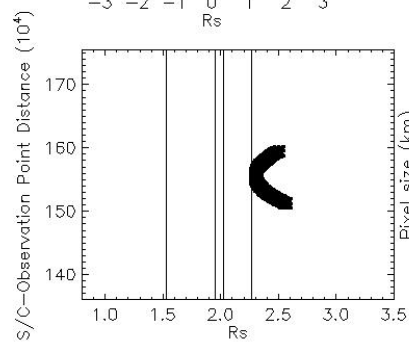


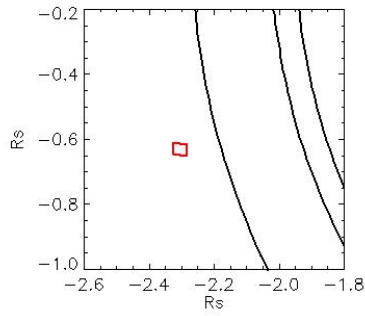
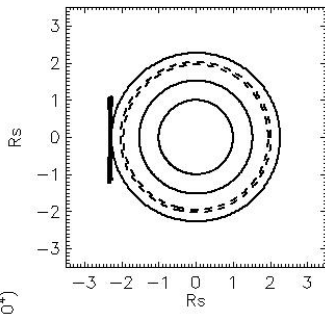
Observation Name:
UMS_197RLFM0VIE002_ISS

Observation Date:
2013_258_10_36_30

Observation Duration:
600 S

Integration time = 300 S





Observation Name:
UMS_197RLFM0VIE002_ISS

Observation Date:
2013_258_14_26_30

Observation Duration:
29100 S

Integration time = 300 S

