

UVIS Rings Spectroscopy Atlas

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

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

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

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

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

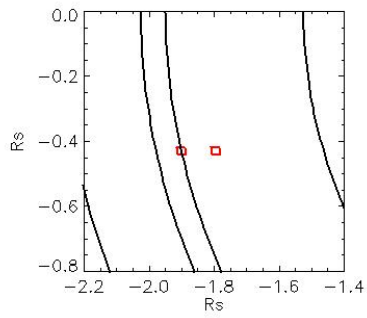
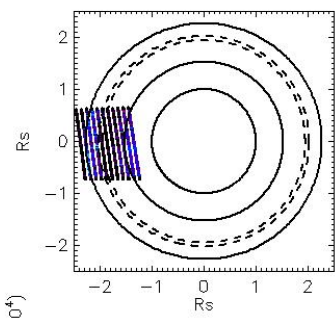
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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

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

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

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



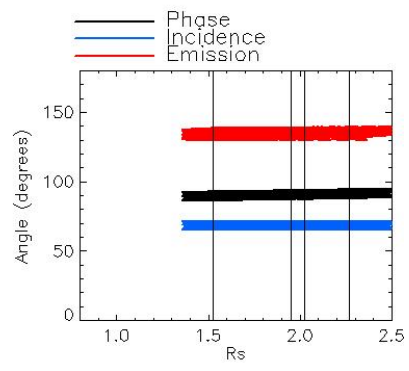
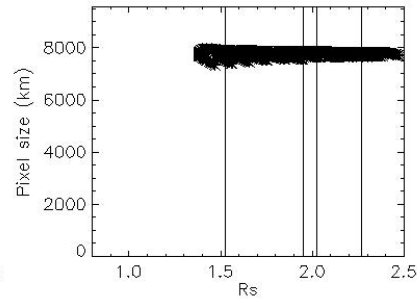
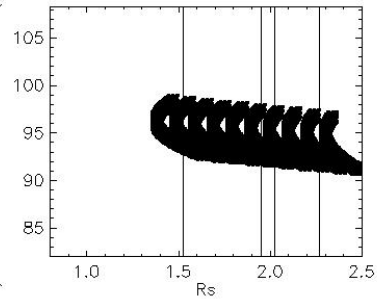
Observation Name:
UMS_201RLSP90L70S022_CIRS

Observation Date:
2014_035_18_39_03

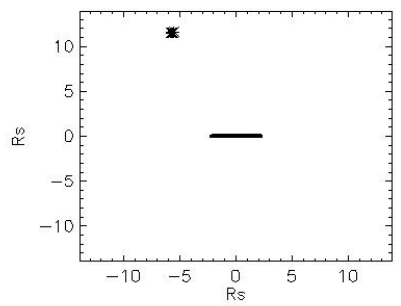
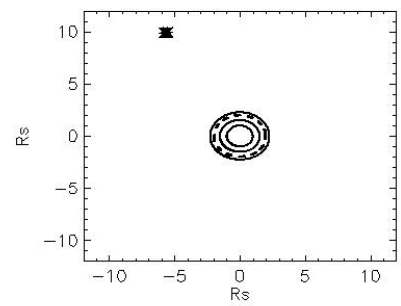
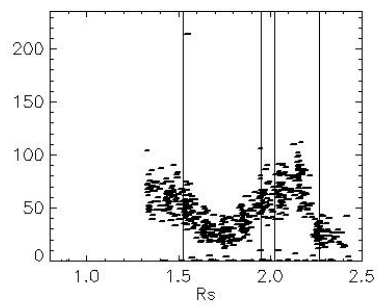
Observation Duration:
3000 S

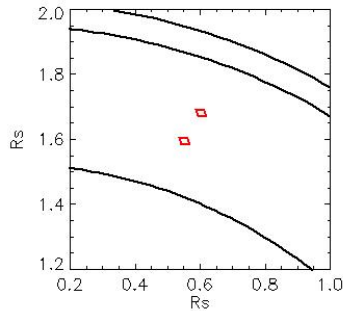
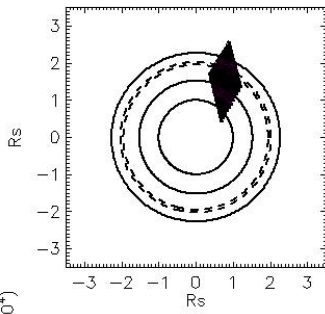
Integration time = 300 S

S/C—Observation Point Distance (10^4)



Total raw counts



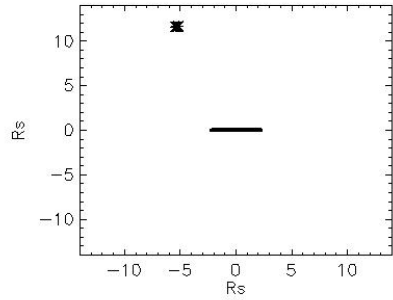
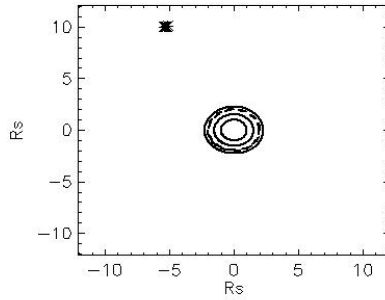
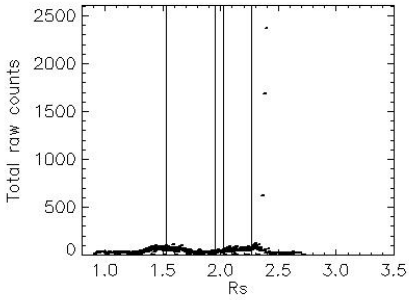
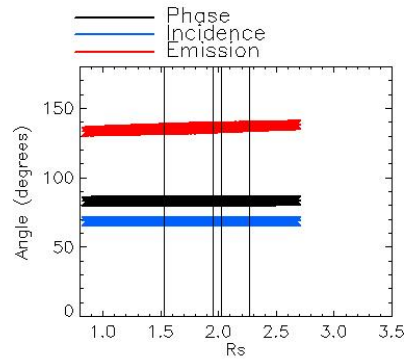
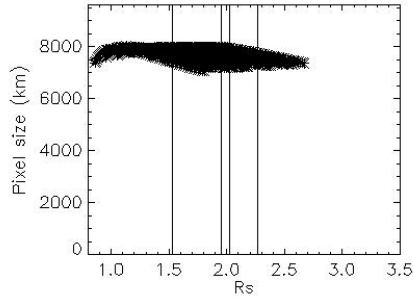
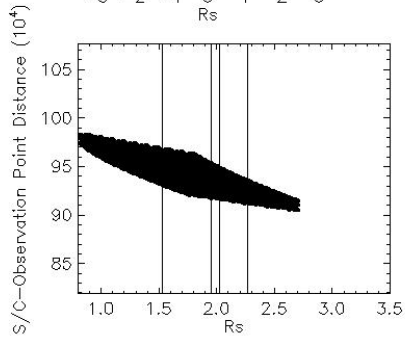


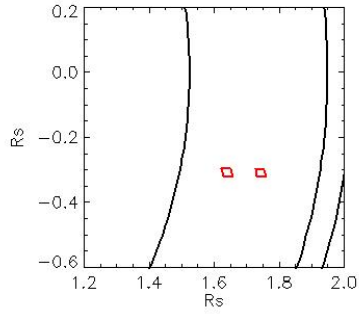
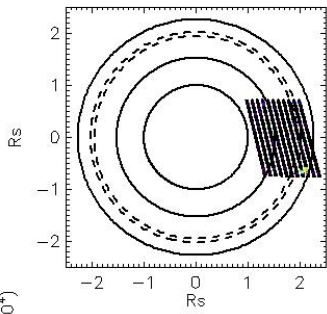
Observation Name:
UMS_201RLSP90L70S022_CIRS

Observation Date:
2014_035_19_40_03

Observation Duration:
3000 S

Integration time = 300 S





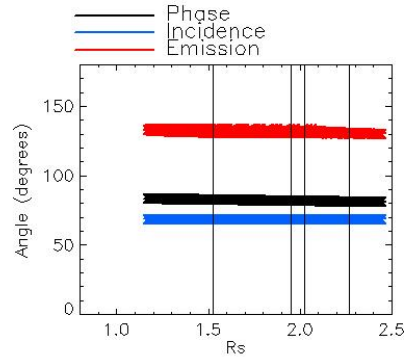
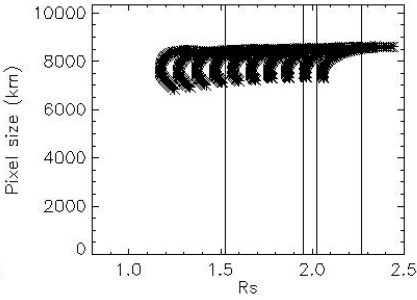
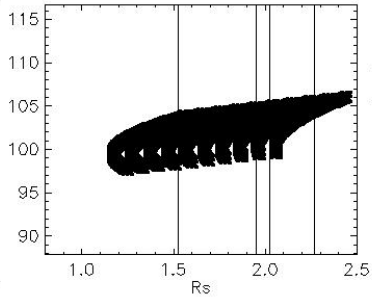
Observation Name:
UMS_201RLSP90L70S022_CIRS

Observation Date:
2014_035_20_41_03

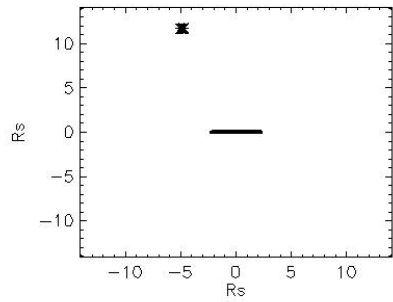
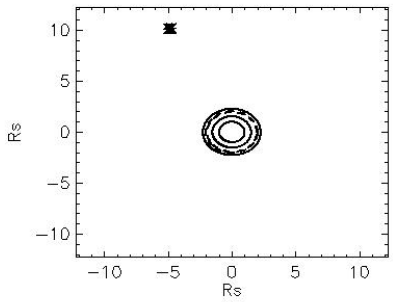
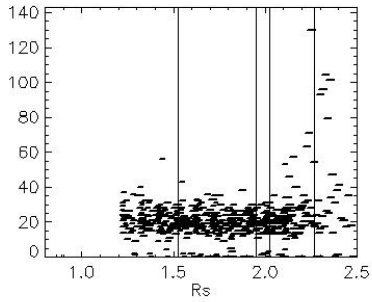
Observation Duration:
3000 S

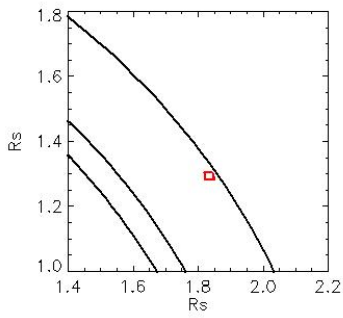
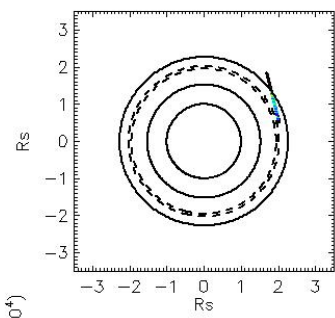
Integration time = 300 S

S/C—Observation Point Distance (10^4)

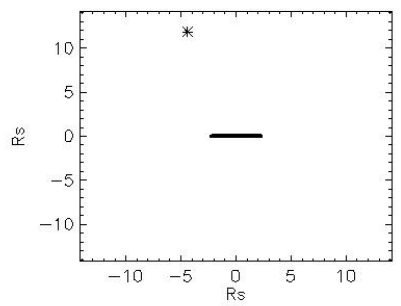
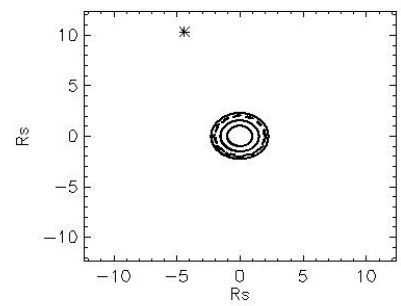
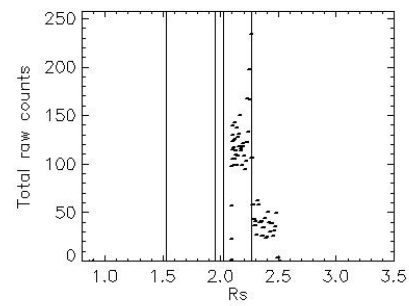
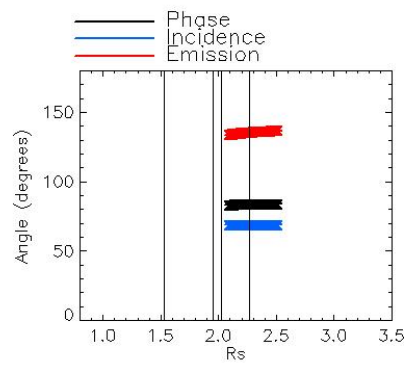
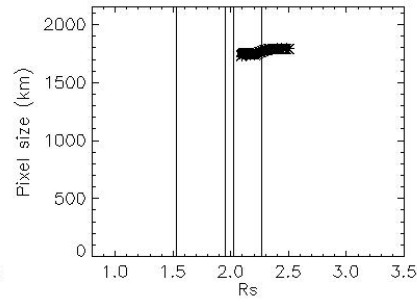
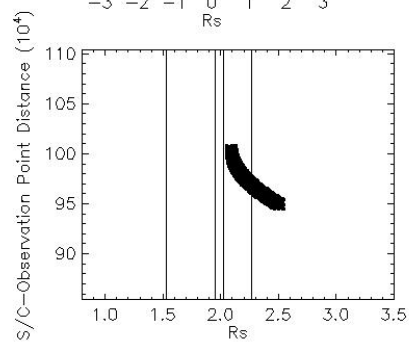


Total raw counts





Observation Name:
 UVS_201RLPROPRTG001_ISS
 Observation Date:
 2014_035_22_15_03
 Observation Duration:
 480 S
 Integration time = 480 S

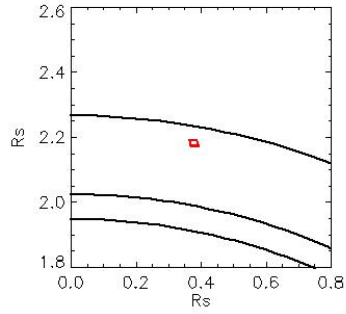
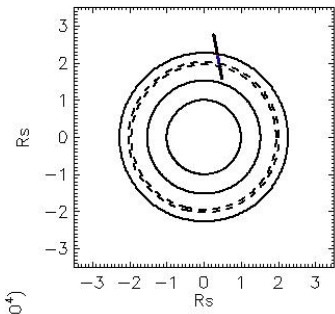


Observation Name:
UMS_201RLPROPTRG001_ISS

Observation Date:
2014_035_22_28_03

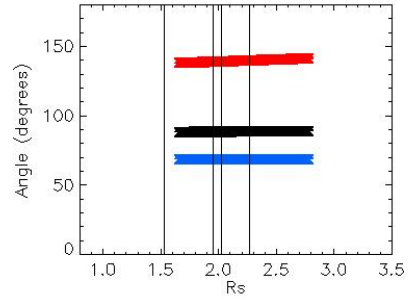
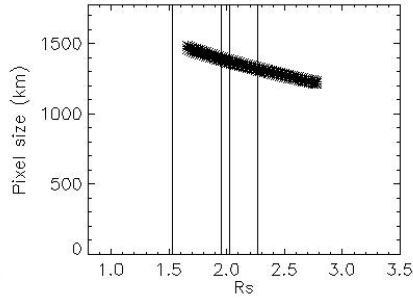
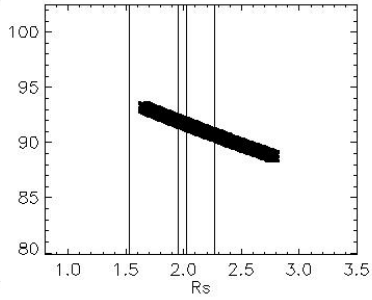
Observation Duration:
960 S

Integration time = 480 S

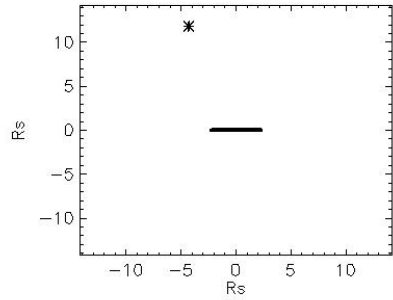
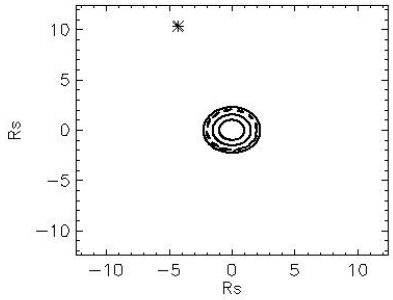
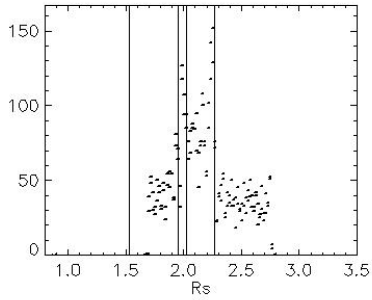


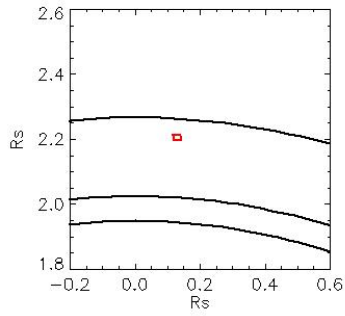
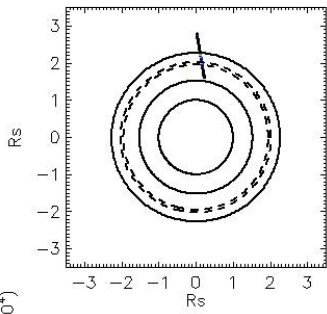
— Phase
— Incidence
— Emission

S/C—Observation Point Distance (10^4)



Total raw counts



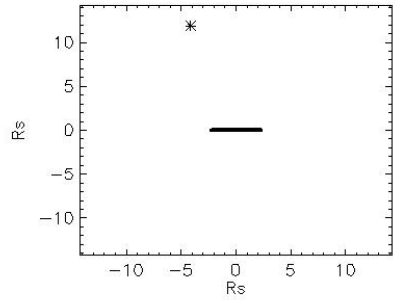
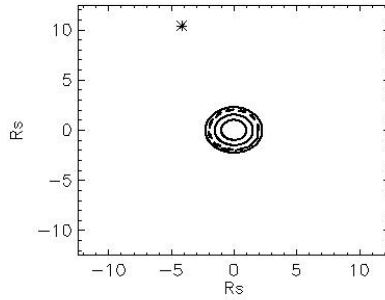
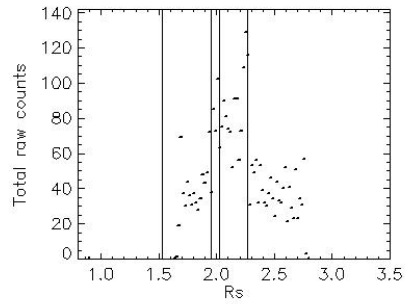
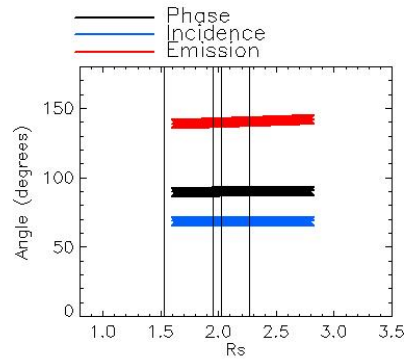
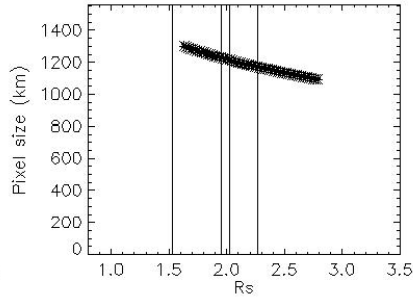
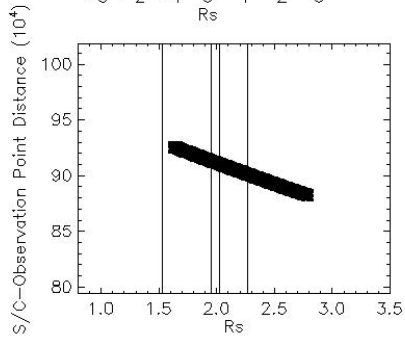


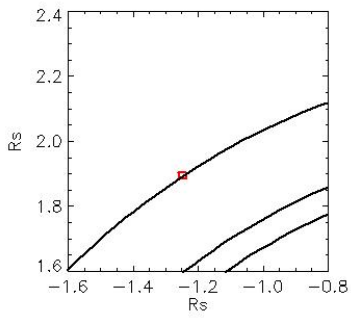
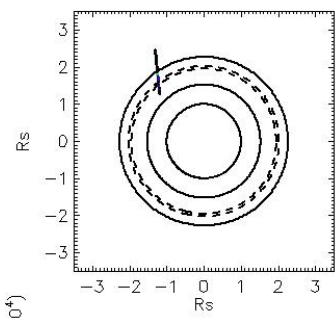
Observation Name:
UMS_201RLPROPTRG001_ISS

Observation Date:
2014_035_22_53_03

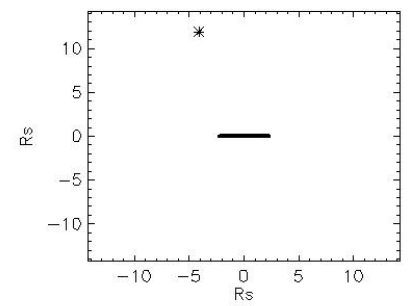
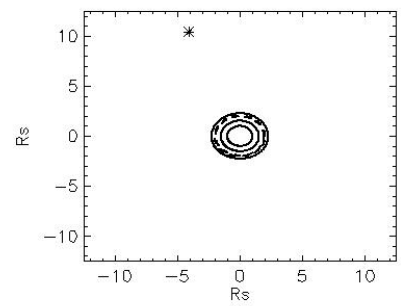
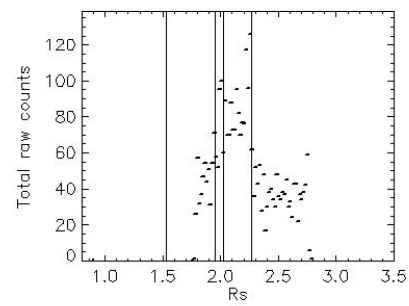
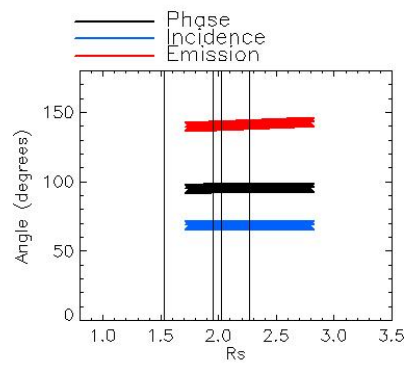
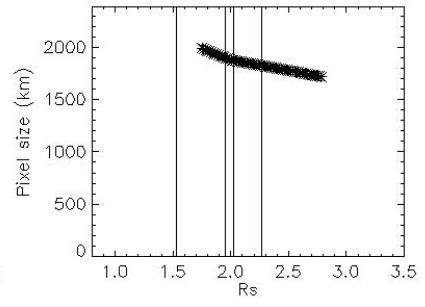
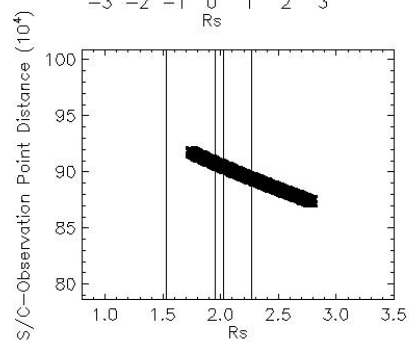
Observation Duration:
480 S

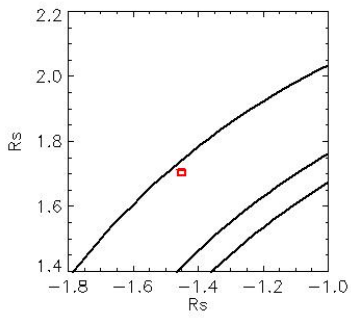
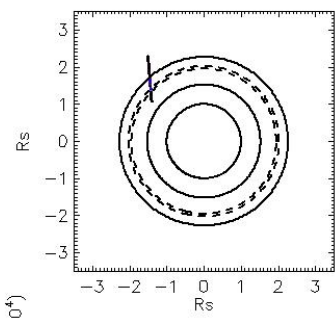
Integration time = 480 S



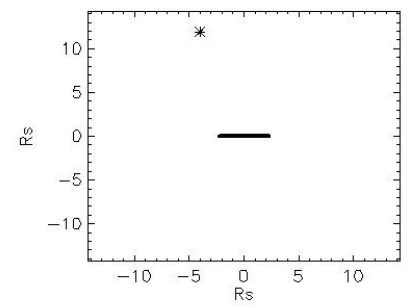
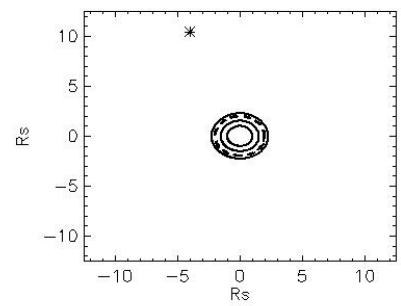
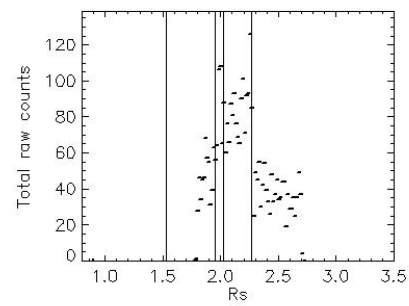
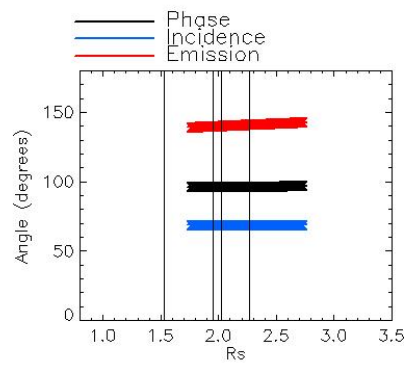
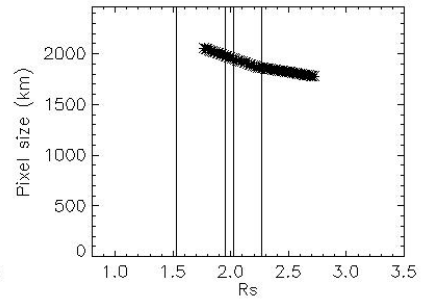
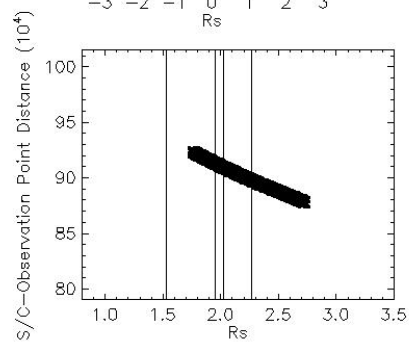


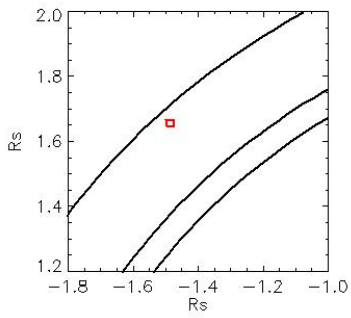
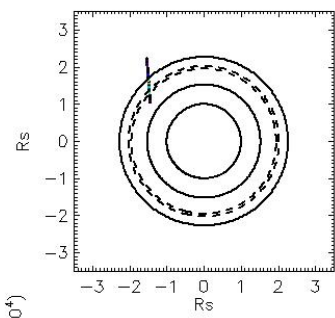
Observation Name:
 UVS_201RLPROPRETRG001_ISS
 Observation Date:
 2014_035_23_06_03
 Observation Duration:
 480 S
 Integration time = 480 S



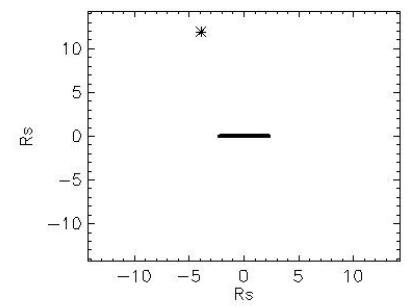
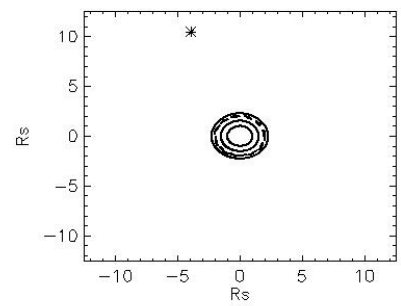
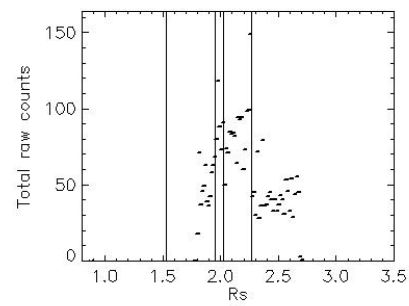
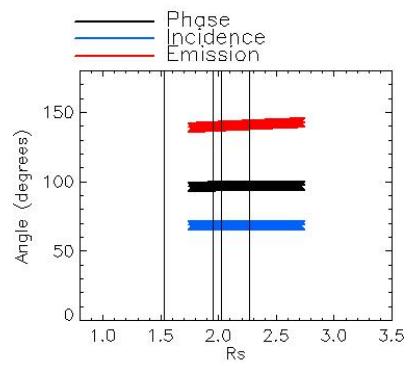
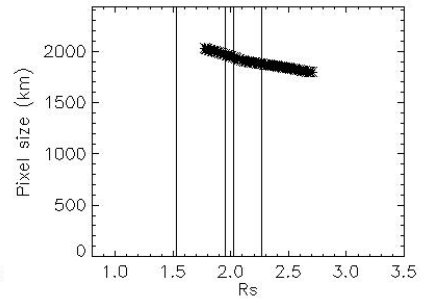
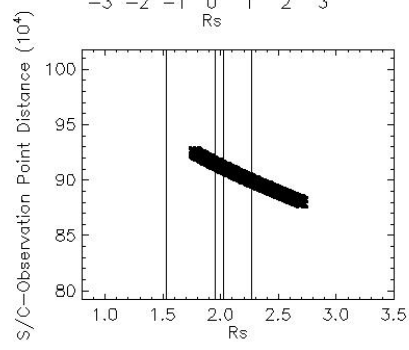


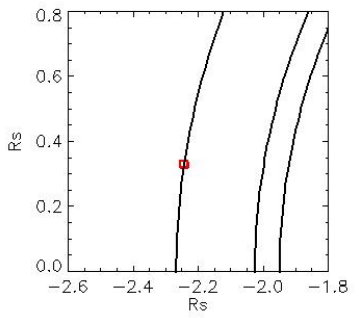
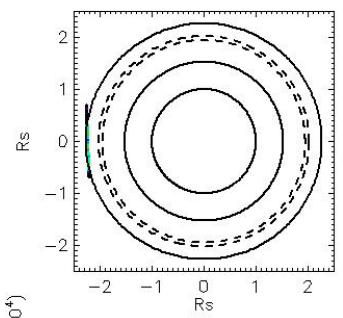
Observation Name:
 UVS_201RLPROPRETRG001_ISS
 Observation Date:
 2014_035_23_18_03
 Observation Duration:
 480 S
 Integration time = 480 S





Observation Name:
 UVS_201RLPROPRETRG001_ISS
 Observation Date:
 2014_035_23_29_03
 Observation Duration:
 480 S
 Integration time = 480 S



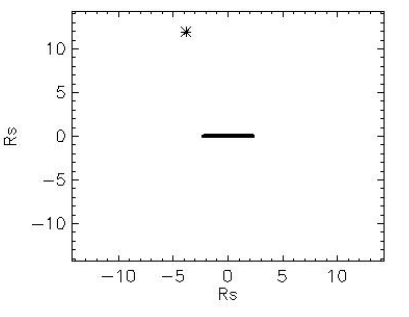
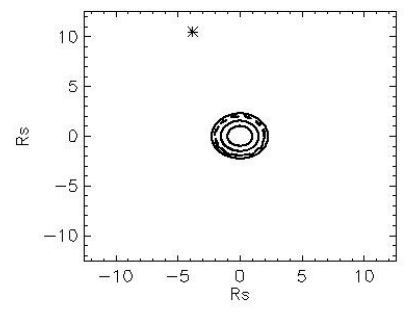
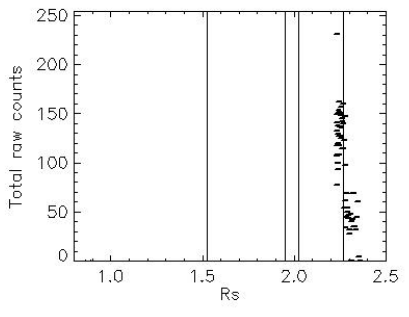
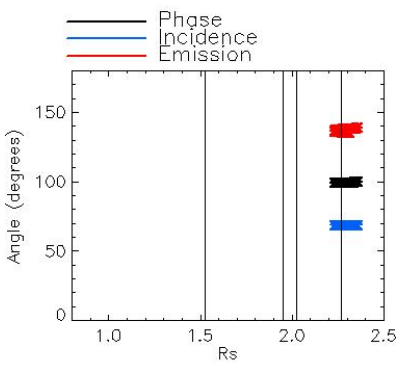
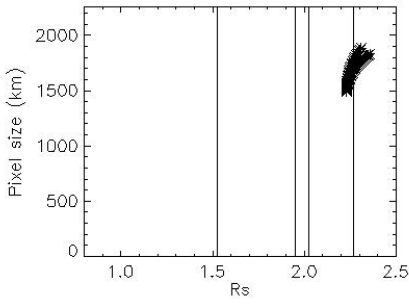
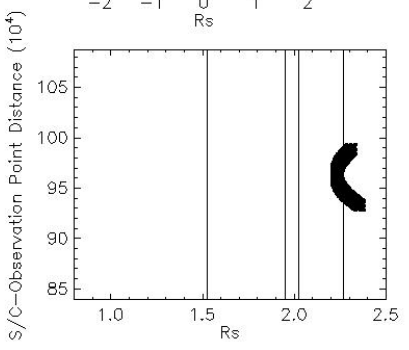


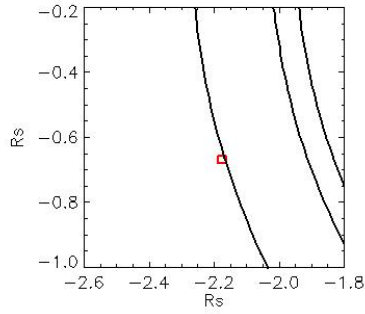
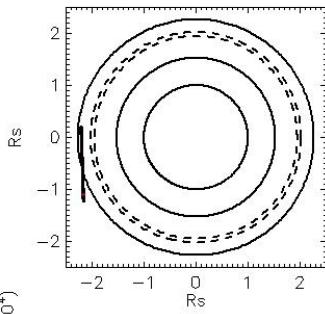
Observation Name:
UMS_201RLPROPREG001_ISS

Observation Date:
2014_035_23_42_33

Observation Duration:
480 S

Integration time = 480 S



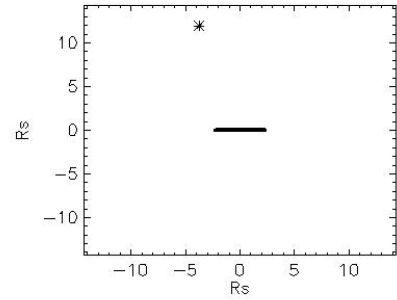
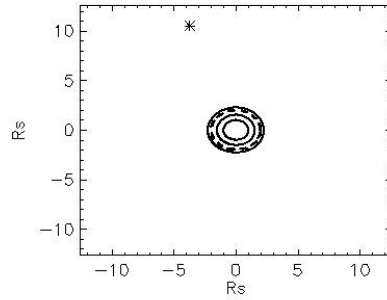
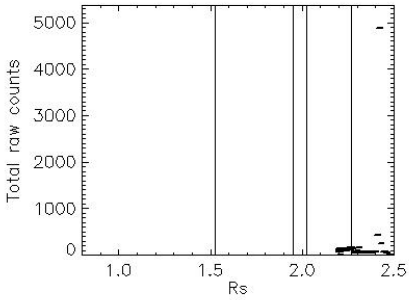
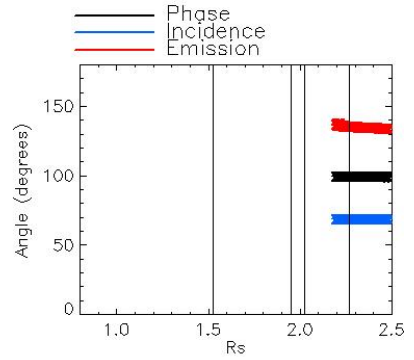
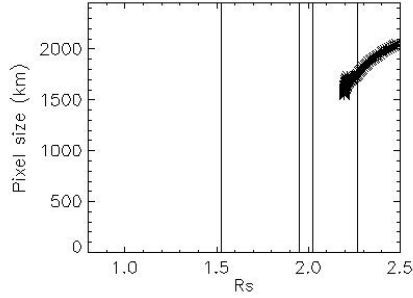
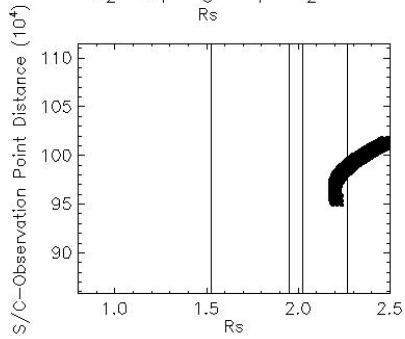


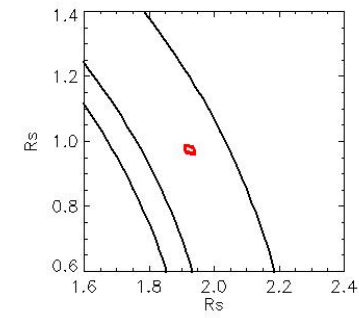
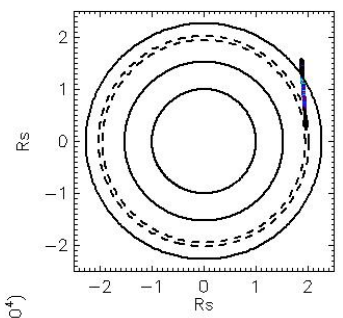
Observation Name:
UMS_201RLPROPREG001_ISS

Observation Date:
2014_035_23_55_03

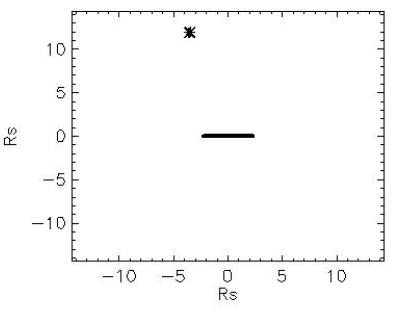
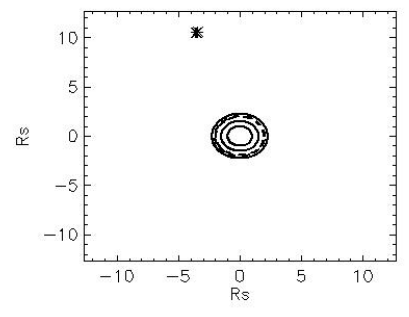
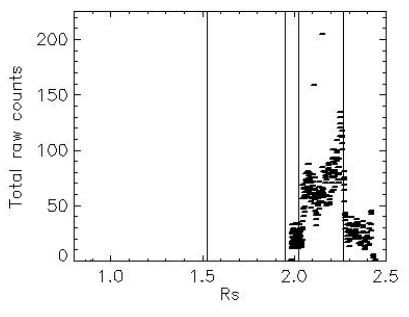
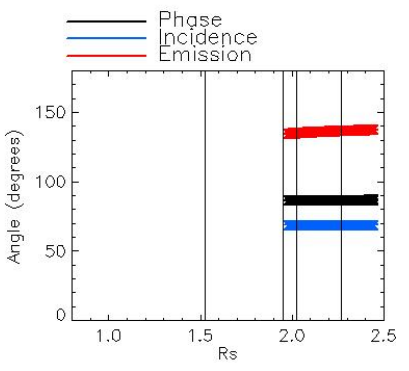
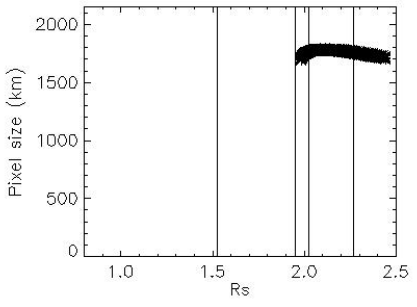
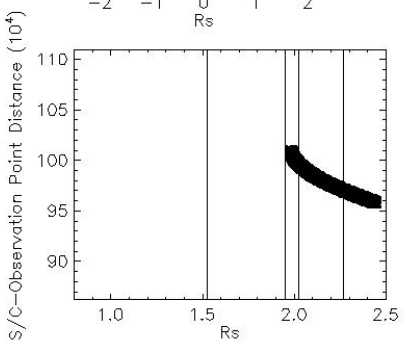
Observation Duration:
480 S

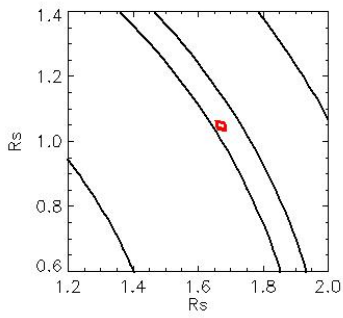
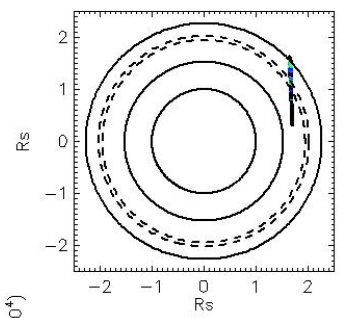
Integration time = 480 S





Observation Name:
 UVS_201RLSHDSCANU001_VIMS
 Observation Date:
 2014_036_00_11_34
 Observation Duration:
 1800 S
 Integration time = 300 S



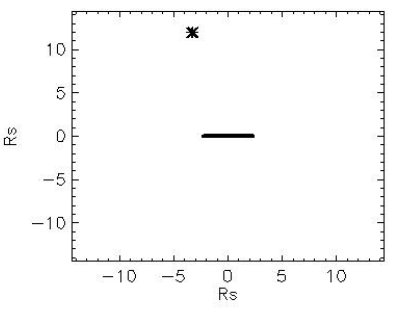
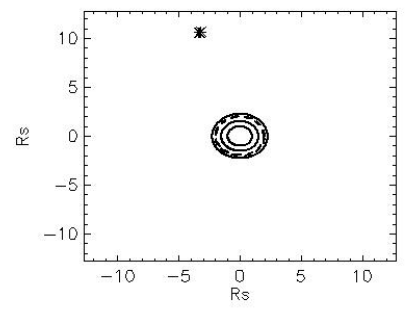
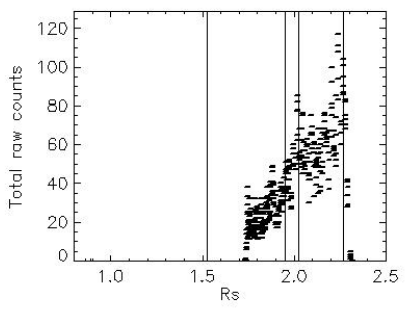
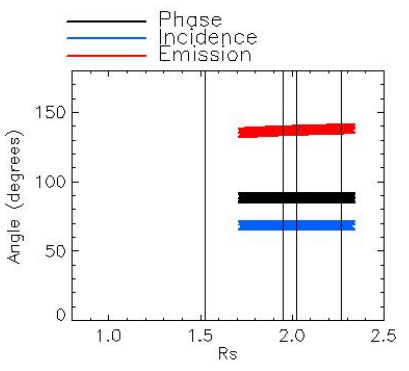
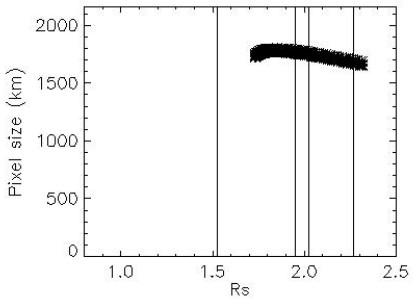
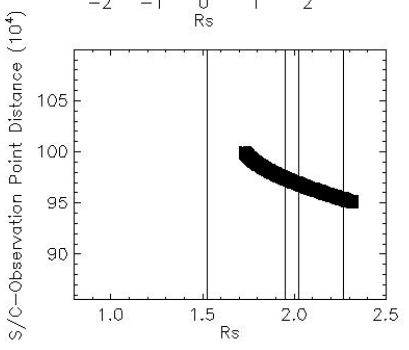


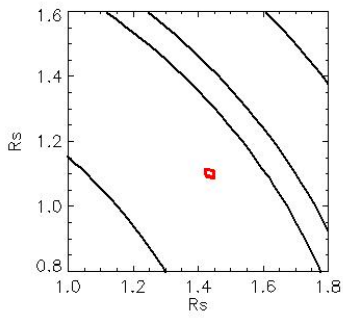
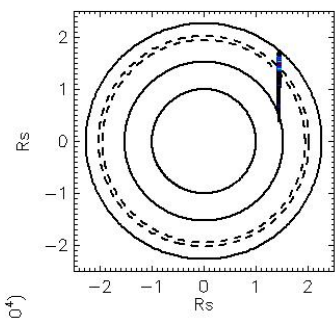
Observation Name:
UMS_201RLSHDSCANU001_VIMS

Observation Date:
2014_036_00_46_32

Observation Duration:
1800 S

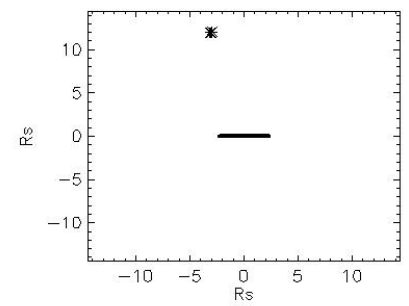
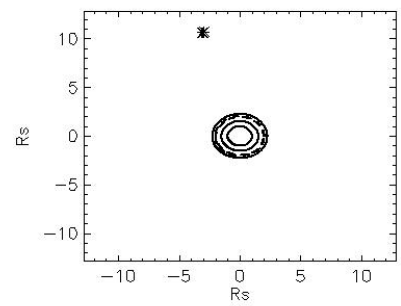
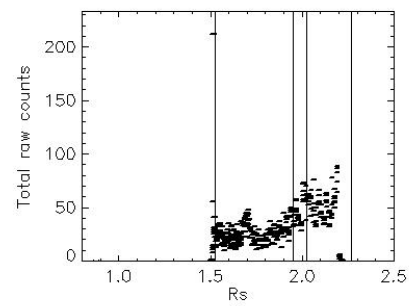
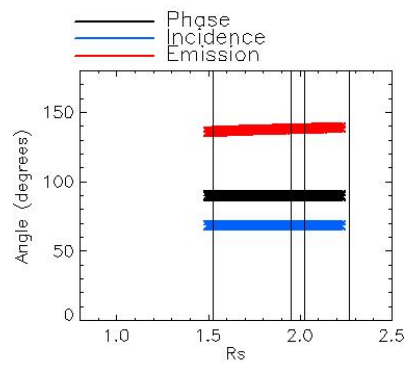
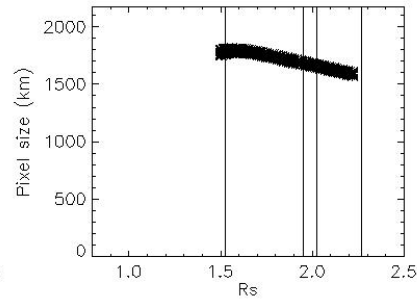
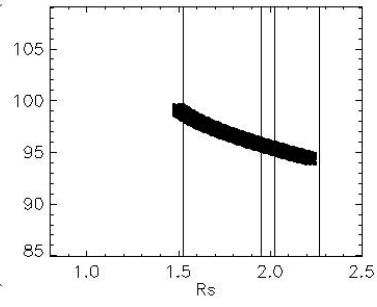
Integration time = 300 S

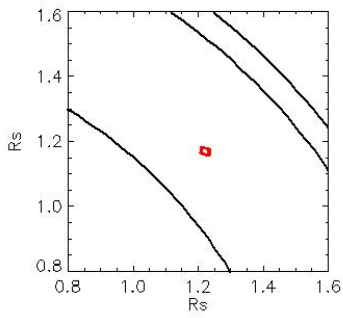
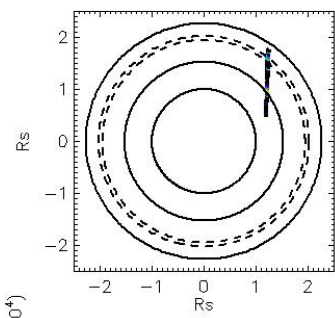




Observation Name:
 UVS_201RLSHDSCANU001_VIMS
 Observation Date:
 2014_036_01_21_30
 Observation Duration:
 1800 S
 Integration time = 300 S

S/C—Observation Point Distance (10^4)



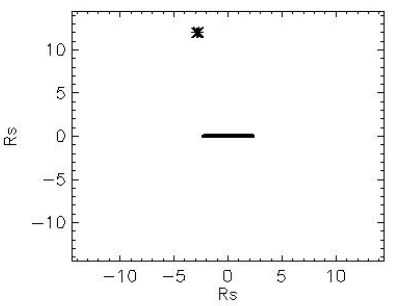
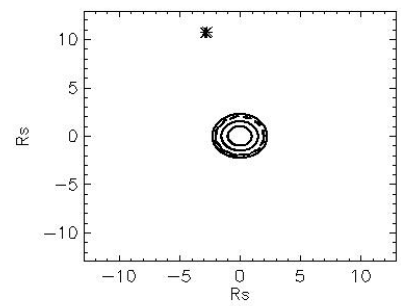
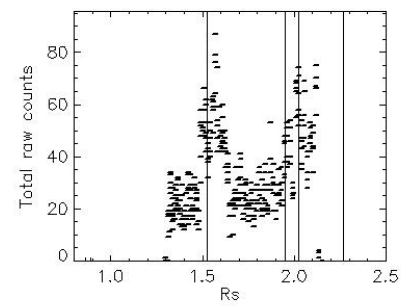
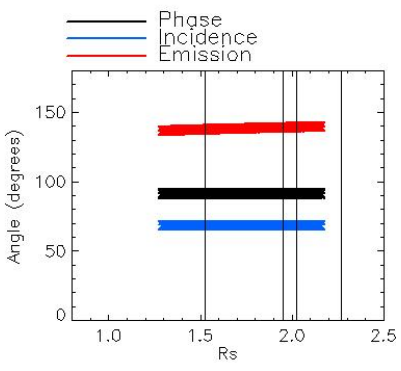
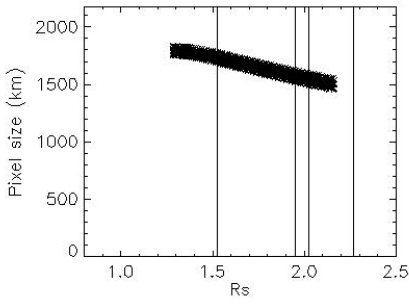
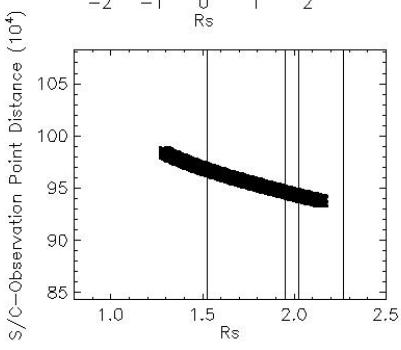


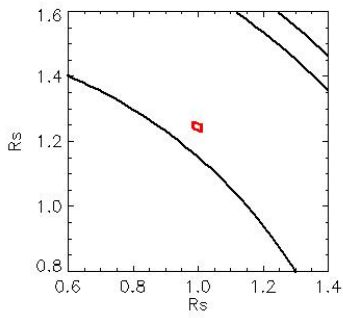
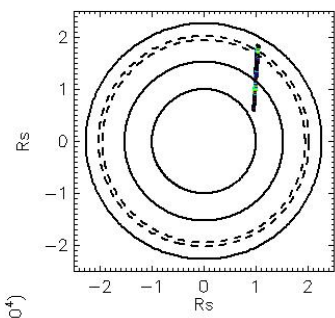
Observation Name:
UMS_201RLSHDSCANU001_VIMS

Observation Date:
2014_036_01_56_28

Observation Duration:
1800 S

Integration time = 300 S





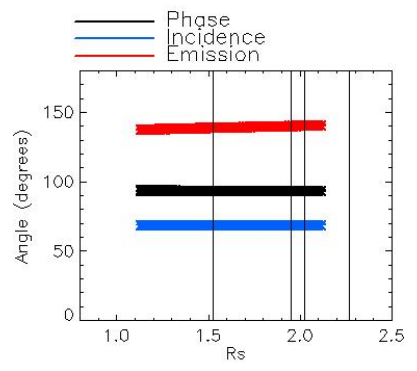
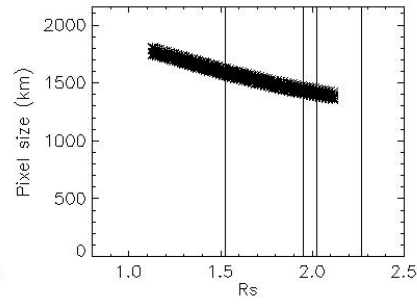
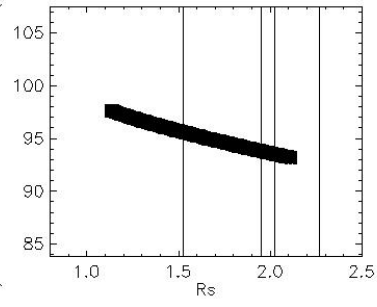
Observation Name:
UVS_201RLSHDSCANU001_VIMS

Observation Date:
2014_036_02_31_26

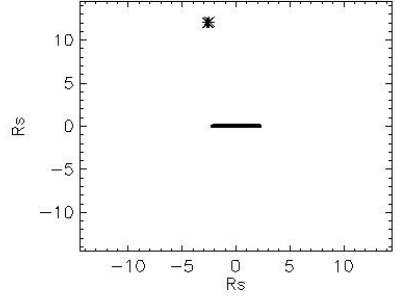
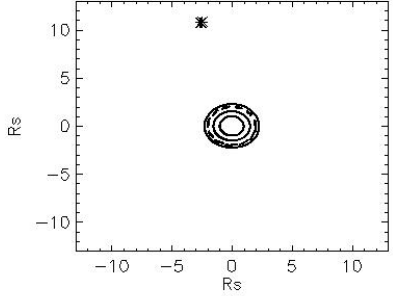
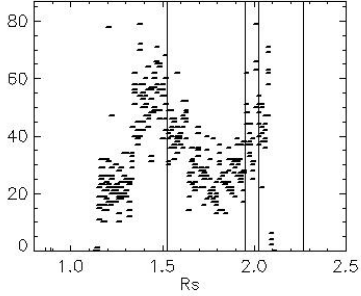
Observation Duration:
1800 S

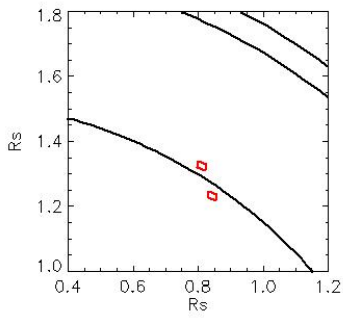
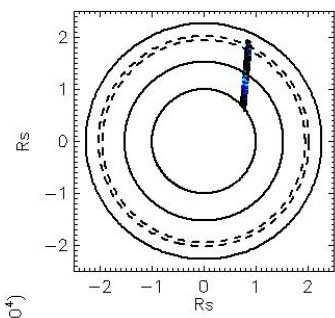
Integration time = 300 S

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



Total raw counts



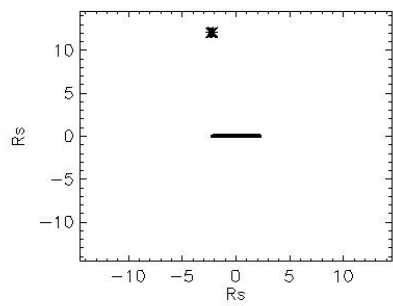
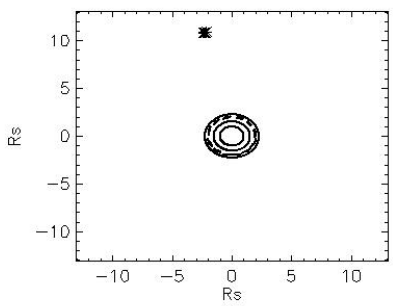
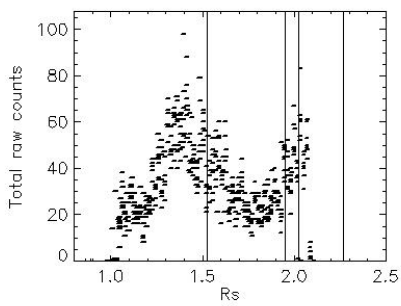
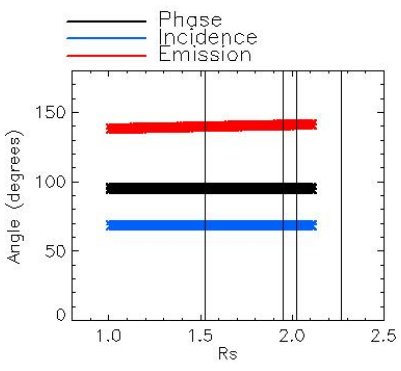
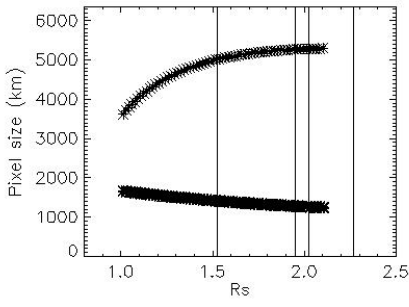
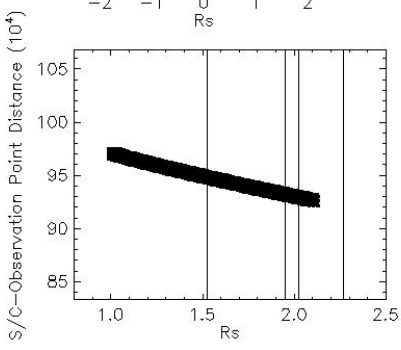


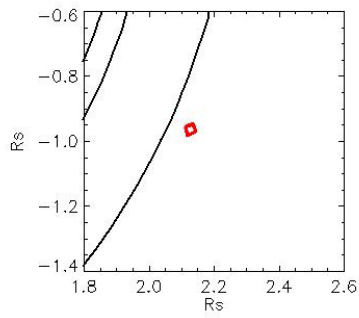
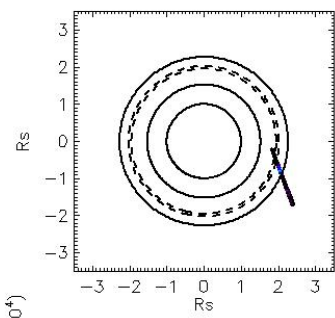
Observation Name:
UMS_201RLSHSCANU001_VIMS

Observation Date:
2014_036_03_06_24

Observation Duration:
2400 S

Integration time = 300 S



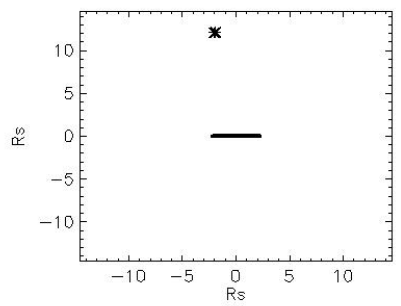
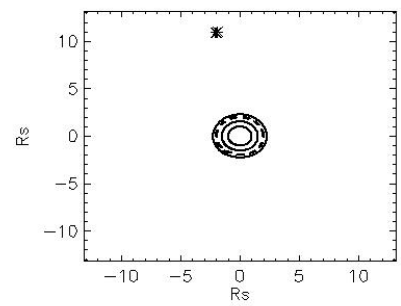
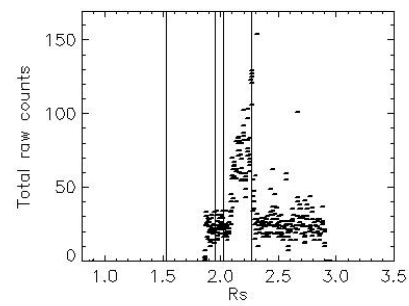
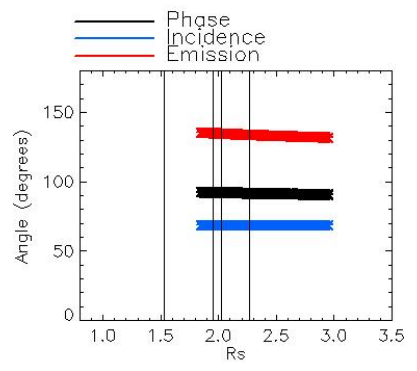
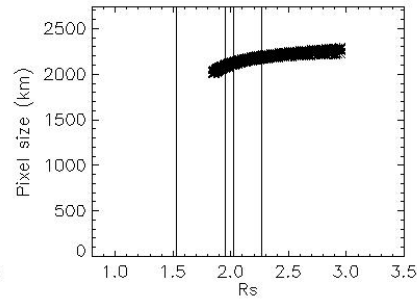
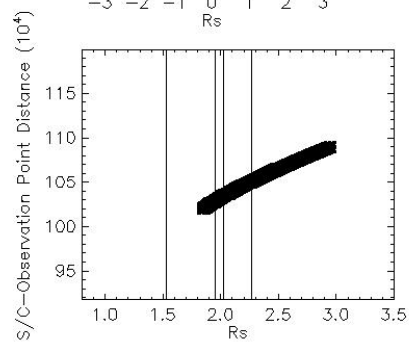


Observation Name:
 UVS_201RLSHDSCANU001_VIMS

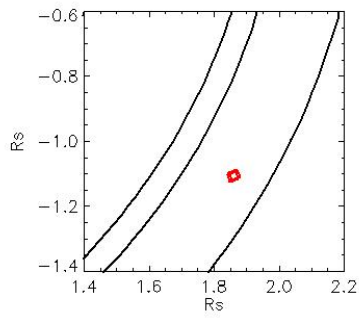
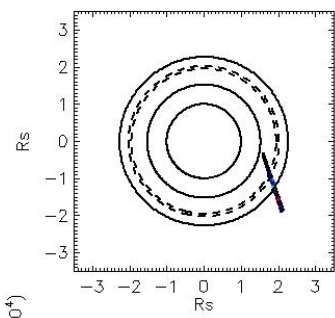
Observation Date:
 2014_036_03_54_34

Observation Duration:
 1800 S

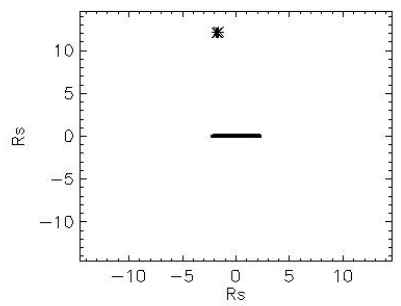
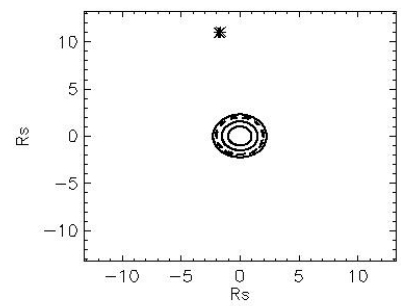
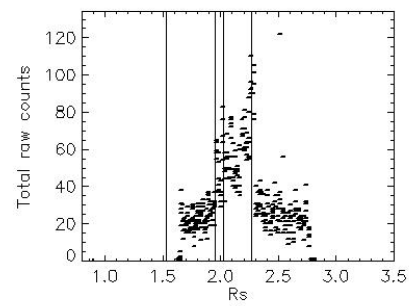
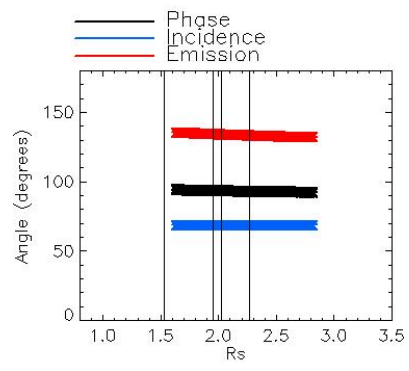
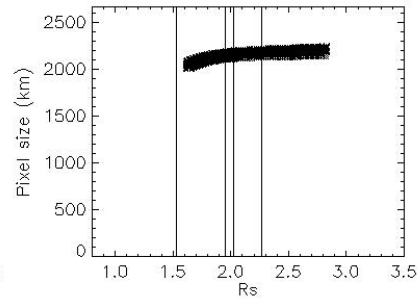
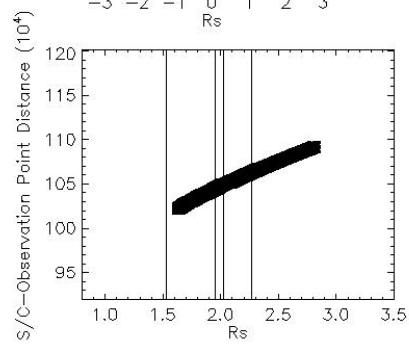
Integration time = 300 S



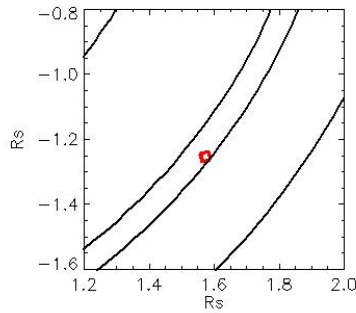
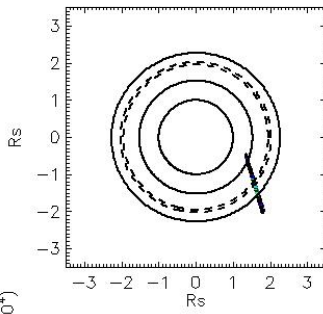
— Phase
 — Incidence
 — Emission



Observation Name:
 UVS_201RLSHDSCANU001_VIMS
 Observation Date:
 2014_036_04_29_36
 Observation Duration:
 1800 S
 Integration time = 300 S



— Phase
 — Incidence
 — Emission

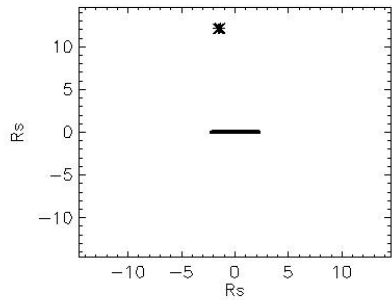
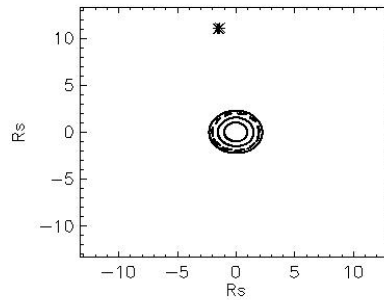
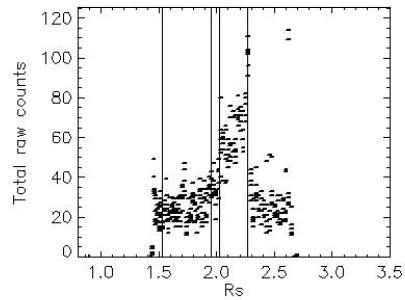
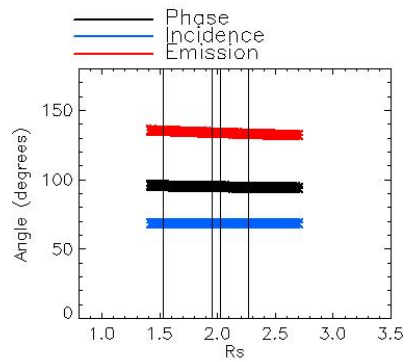
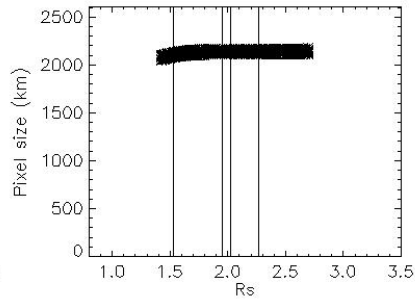
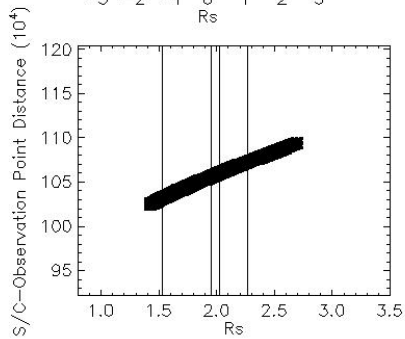


Observation Name:
UMS_201RLSHDSCANU001_VIMS

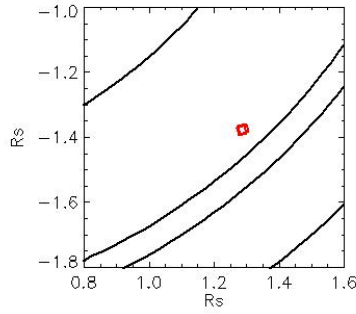
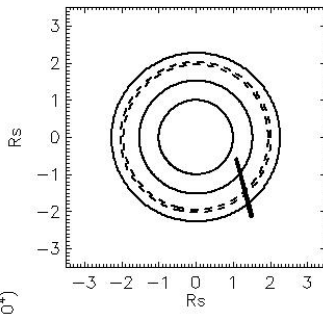
Observation Date:
2014_036_05_04_38

Observation Duration:
1800 S

Integration time = 300 S



— Phase
— Incidence
— Emission

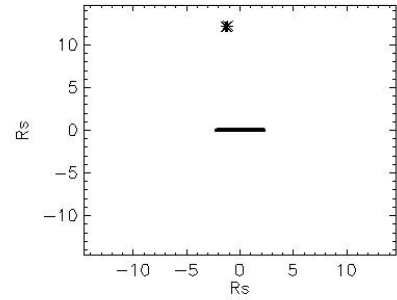
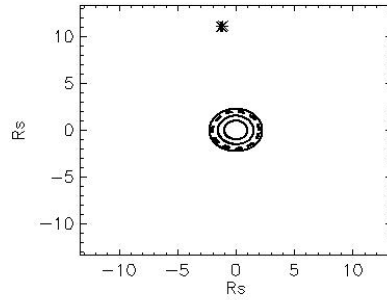
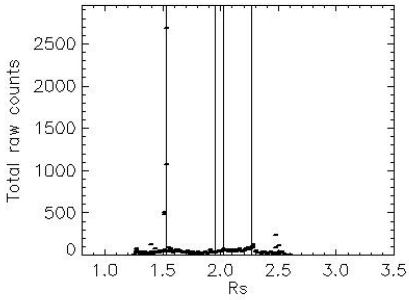
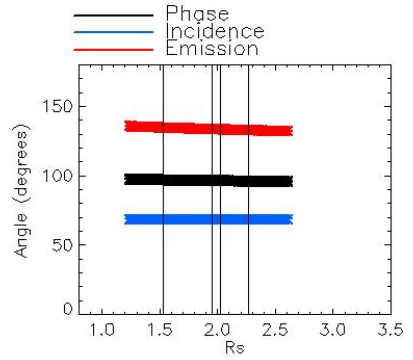
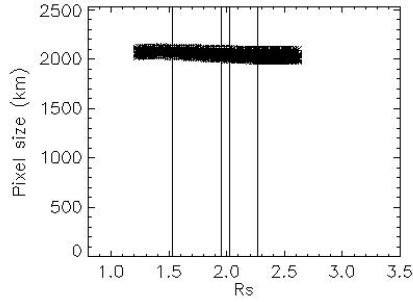
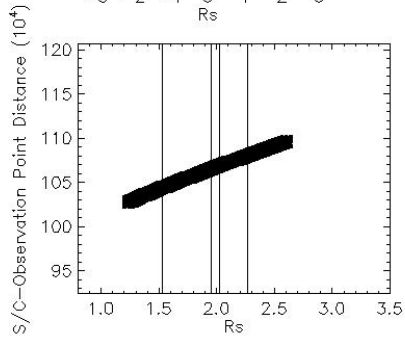


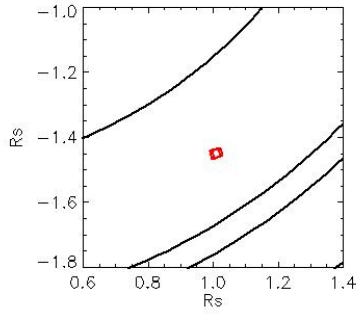
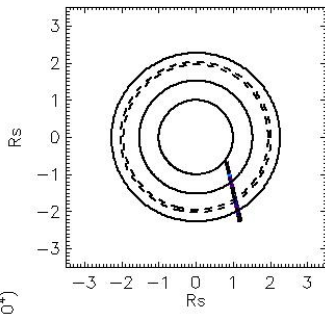
Observation Name:
UMS_201RLSHDSCANU001_VIMS

Observation Date:
2014_036_05_39_40

Observation Duration:
1800 S

Integration time = 300 S



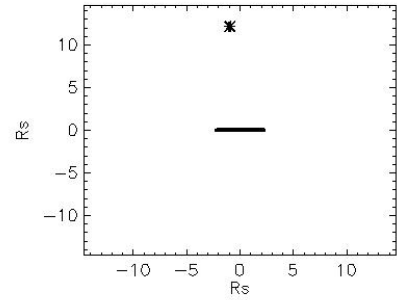
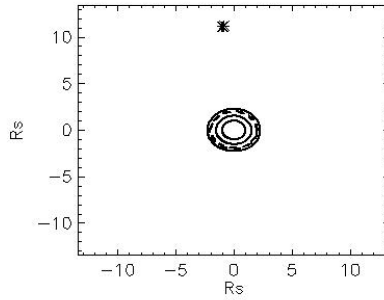
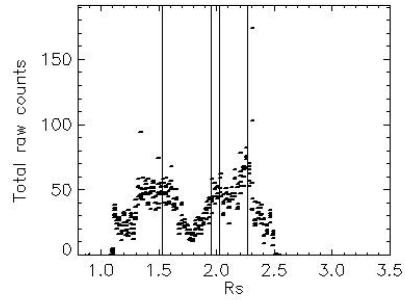
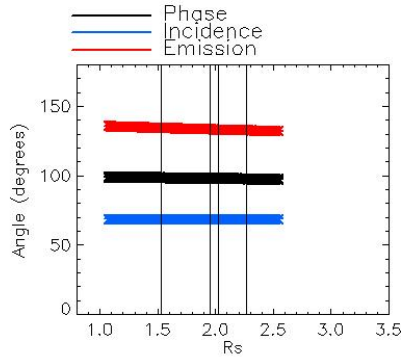
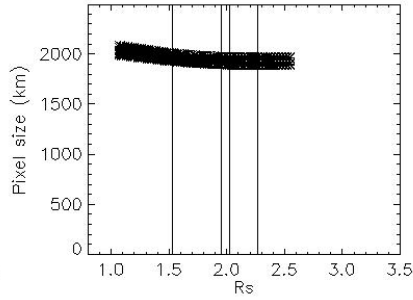
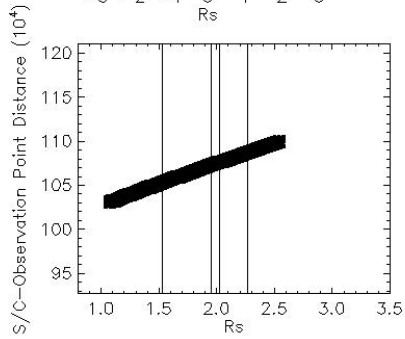


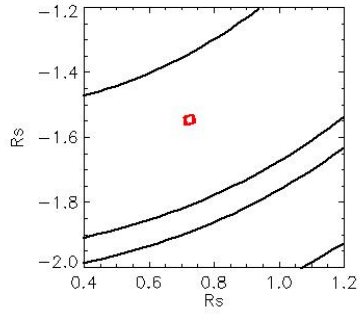
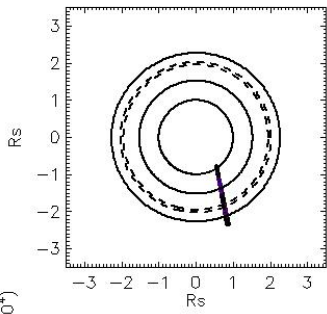
Observation Name:
UVS_201RLSHDSCANU001_VIMS

Observation Date:
2014_036_06_14_42

Observation Duration:
1800 S

Integration time = 300 S



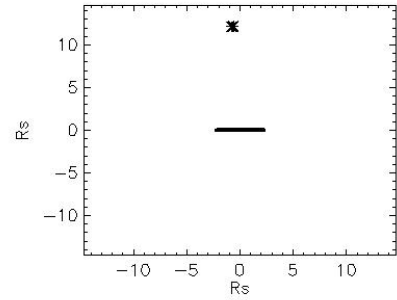
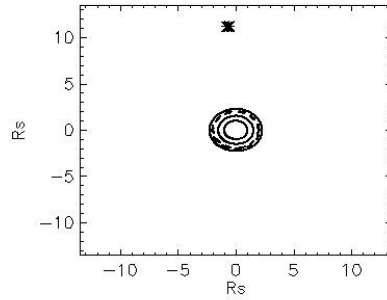
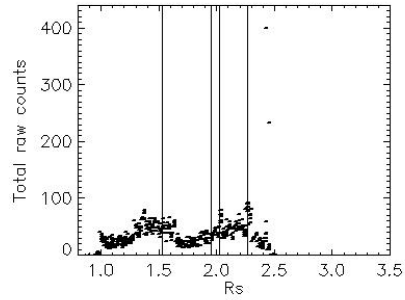
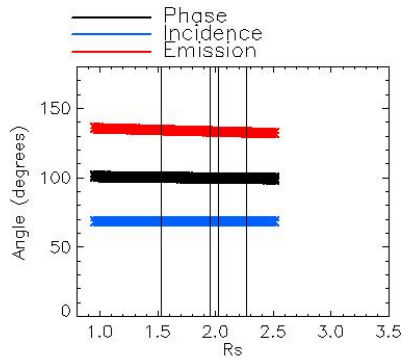
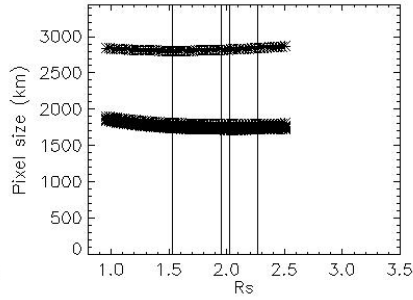
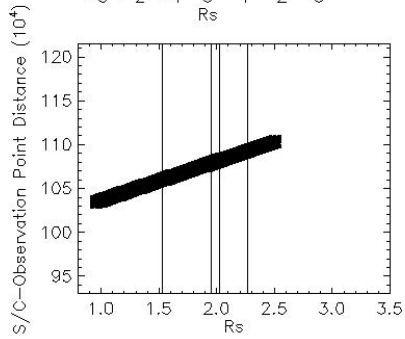


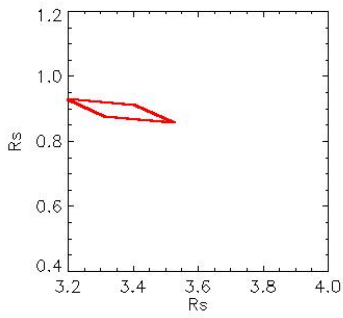
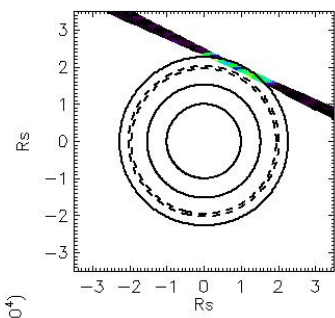
Observation Name:
UMS_201RLSHDSCANU001_VIMS

Observation Date:
2014_036_06_49_43

Observation Duration:
2100 S

Integration time = 300 S



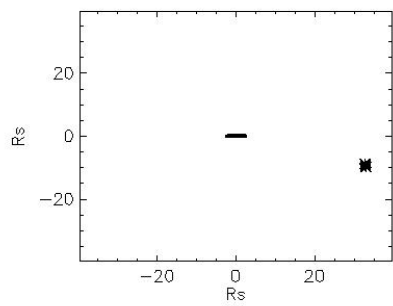
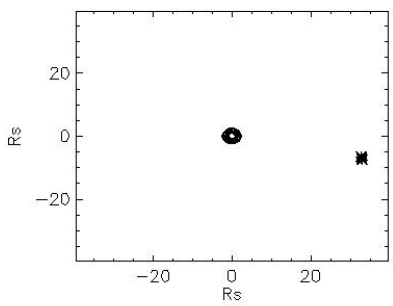
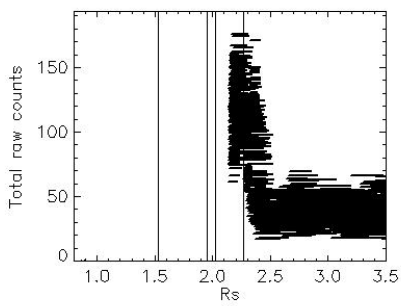
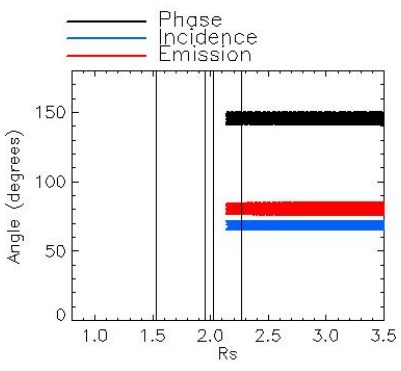
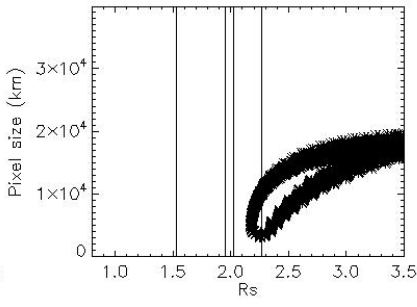
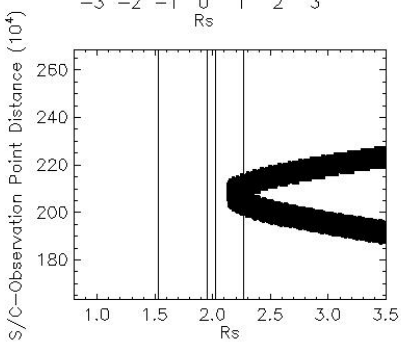


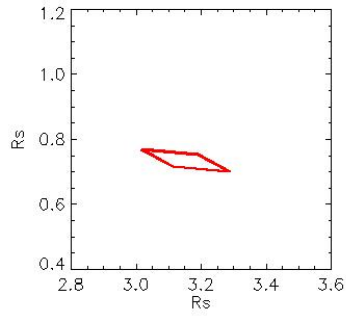
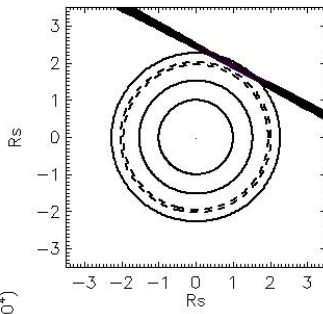
Observation Name:
UMS_201RLRDIVMOV001_ISS

Observation Date:
2014_041_23_20_03

Observation Duration:
24960 S

Integration time = 480 S



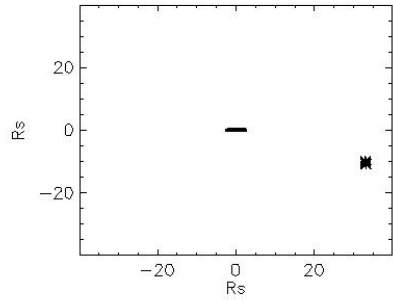
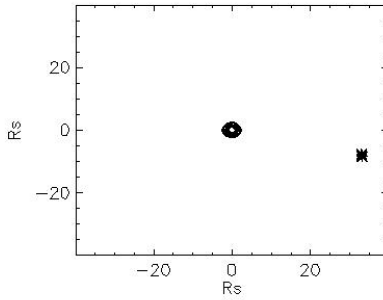
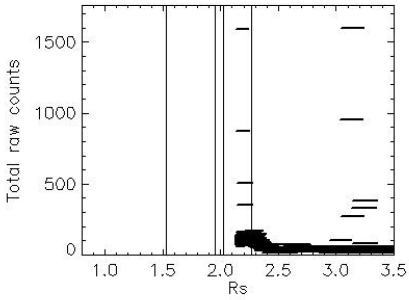
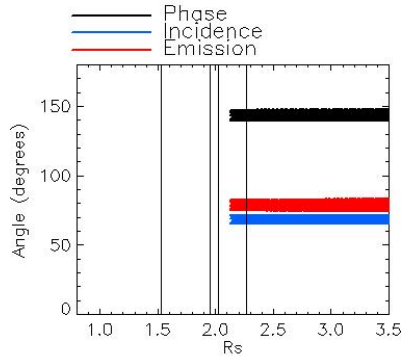
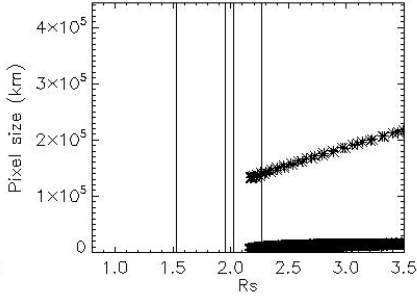
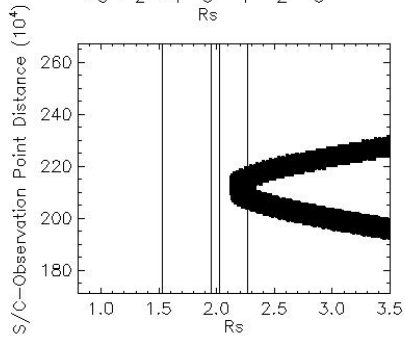


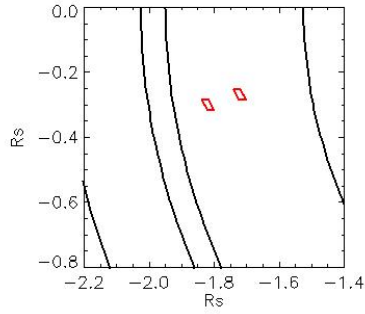
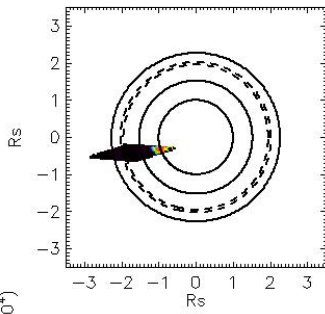
Observation Name:
UMS_201RLRDIWMOV001_ISS

Observation Date:
2014_042_06_16_03

Observation Duration:
20160 S

Integration time = 480 S



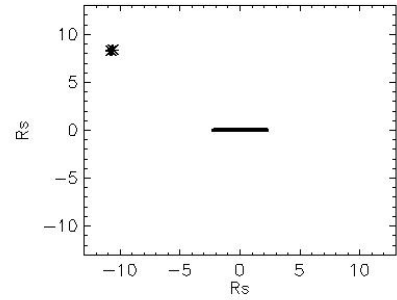
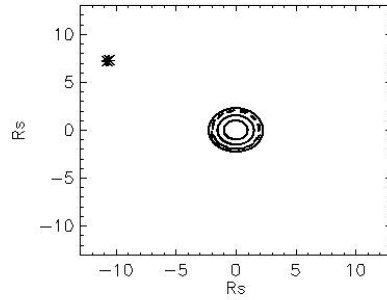
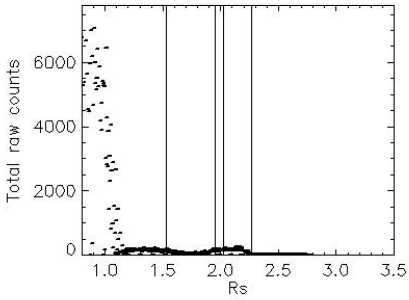
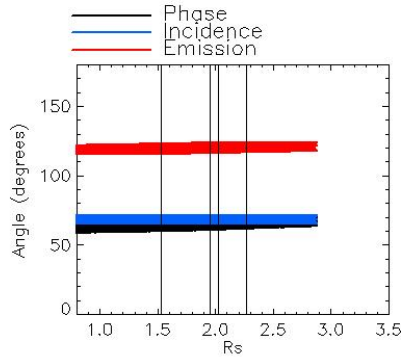
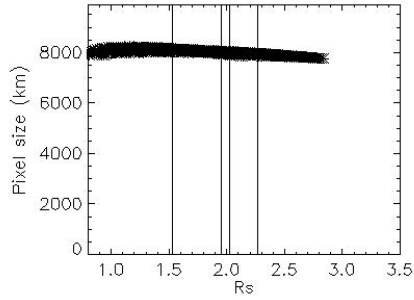
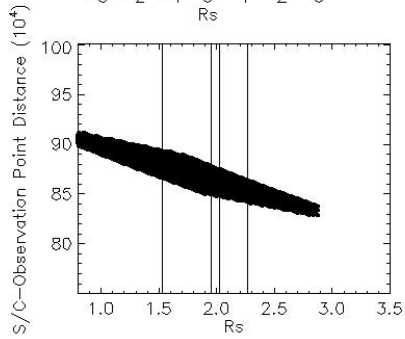


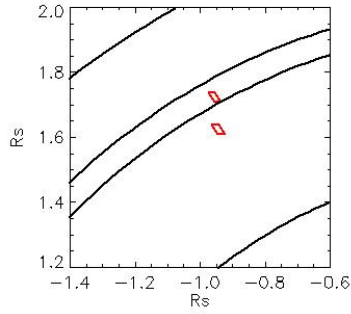
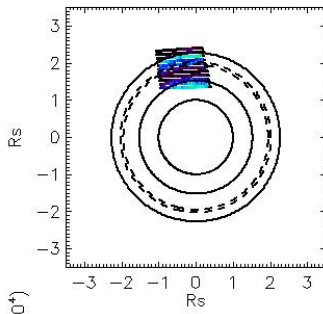
Observation Name:
UMS_202RLSP90L30S022_CIRS

Observation Date:
2014_066_22_59_03

Observation Duration:
3000 S

Integration time = 300 S



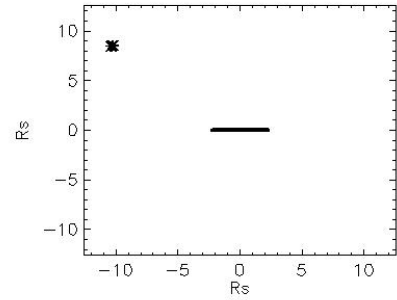
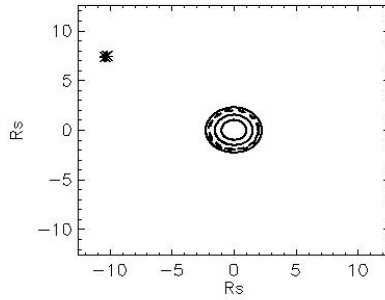
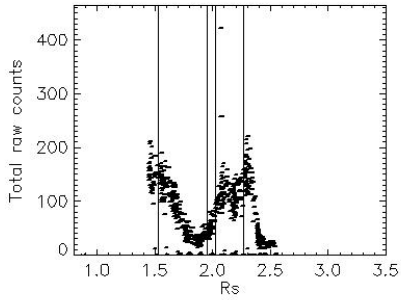
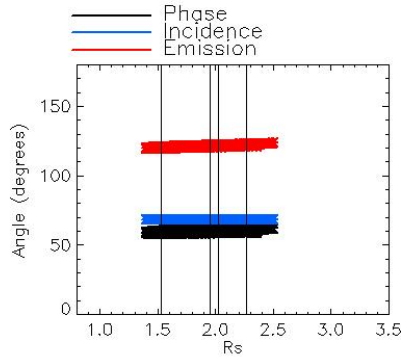
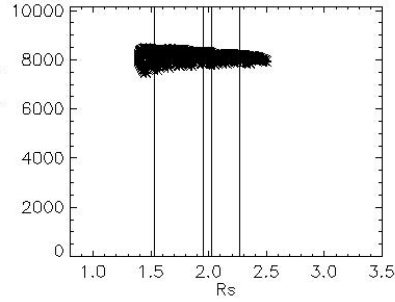
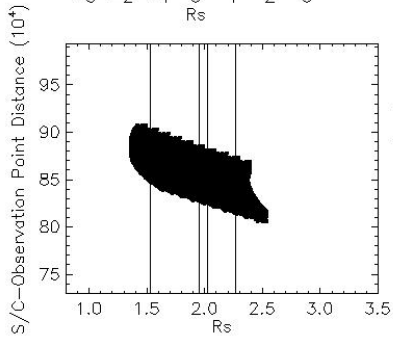


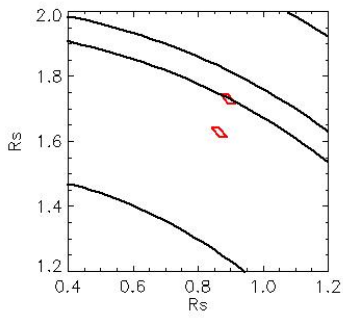
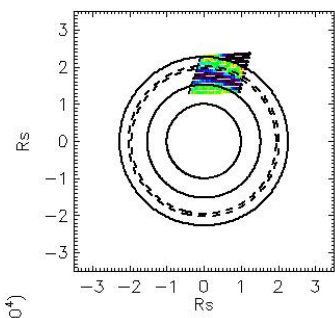
Observation Name:
UMS_202RLSP90L30S022_CIRS

Observation Date:
2014_066_23_59_03

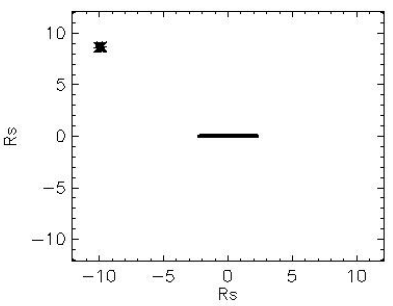
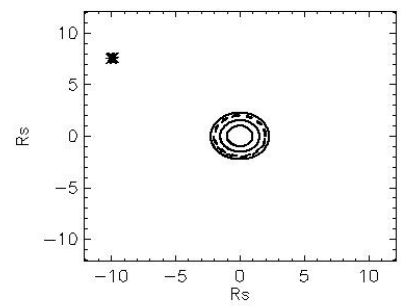
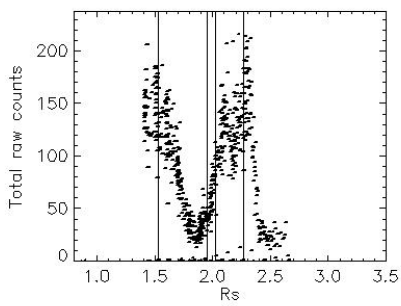
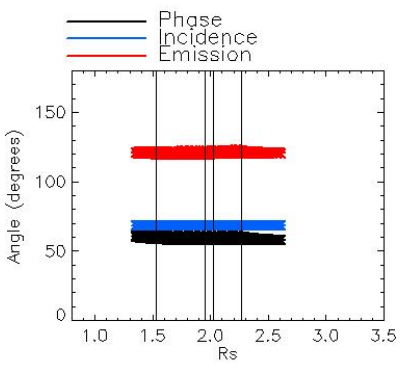
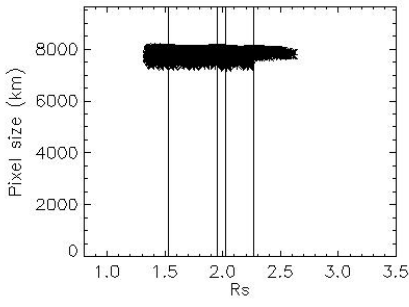
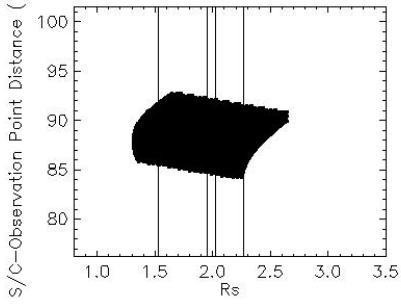
Observation Duration:
3000 S

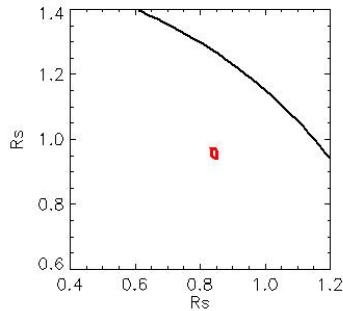
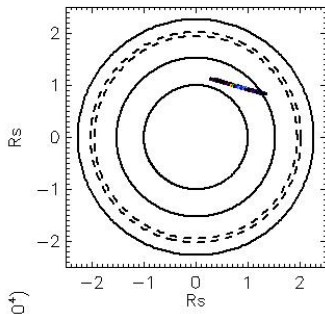
Integration time = 300 S





Observation Name:
 UVS_202RLSP90L30S022_CIRS
 Observation Date:
 2014_067_00_59_03
 Observation Duration:
 3000 S
 Integration time = 300 S



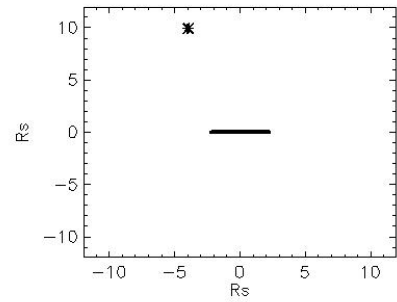
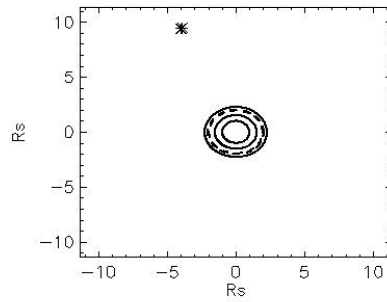
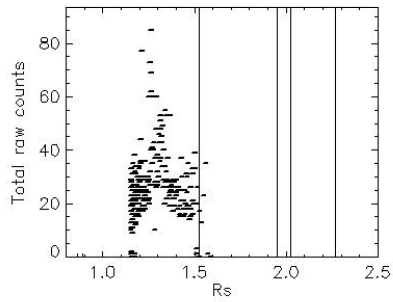
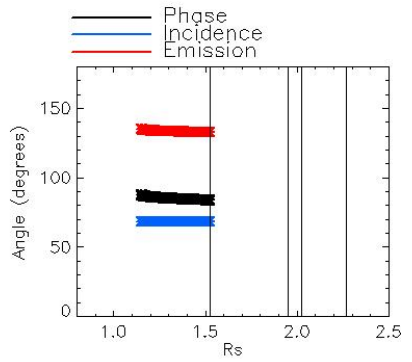
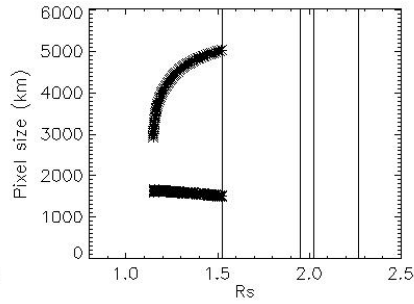
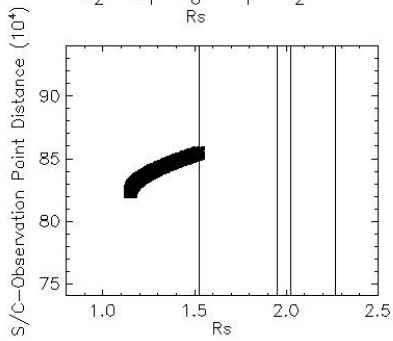


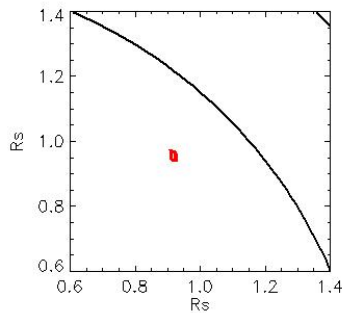
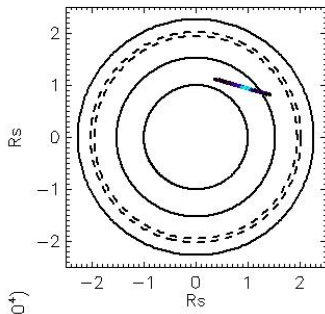
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_15_33_03

Observation Duration:
1200 S

Integration time = 300 S



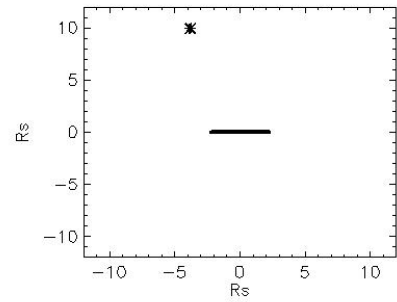
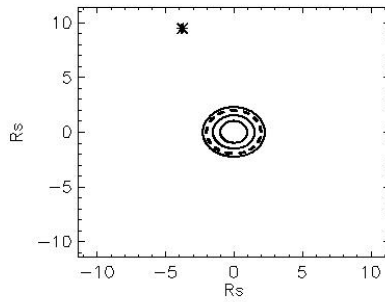
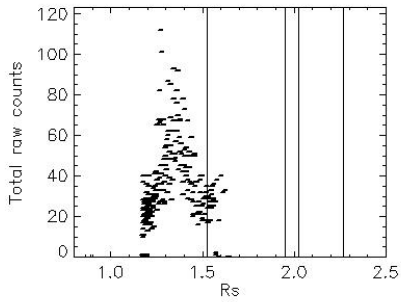
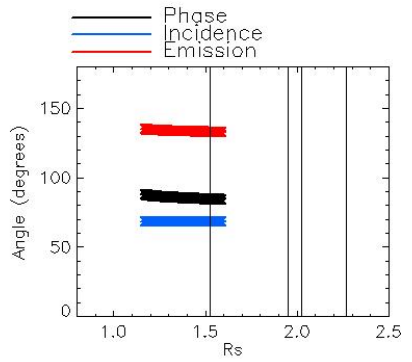
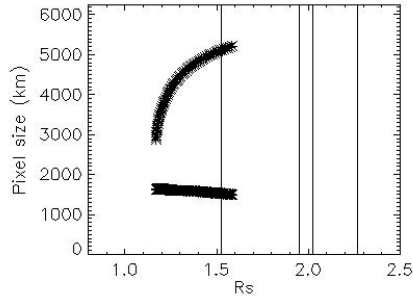
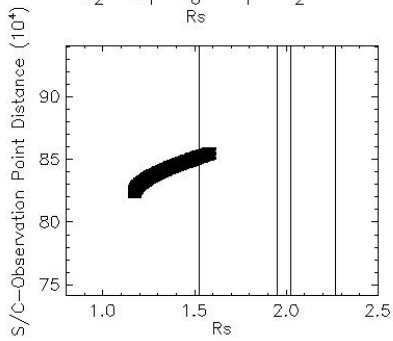


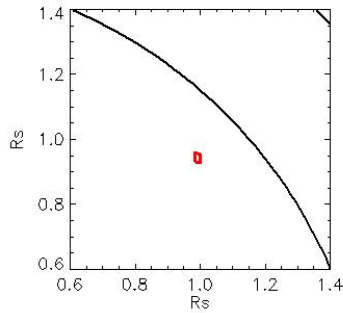
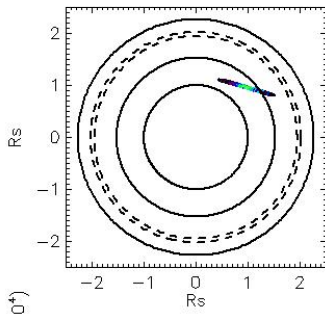
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_15_54_23

Observation Duration:
1200 S

Integration time = 300 S



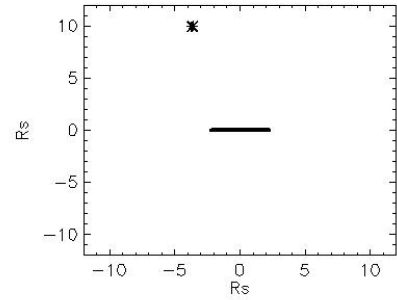
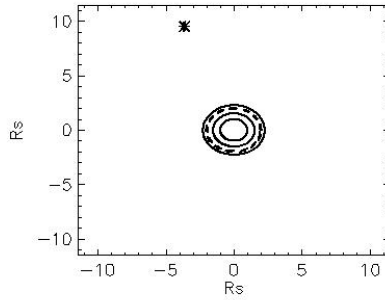
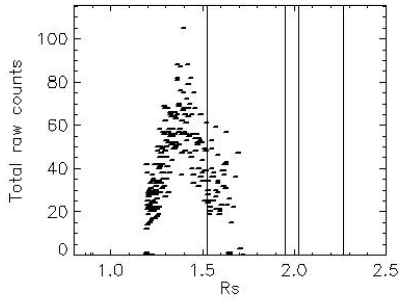
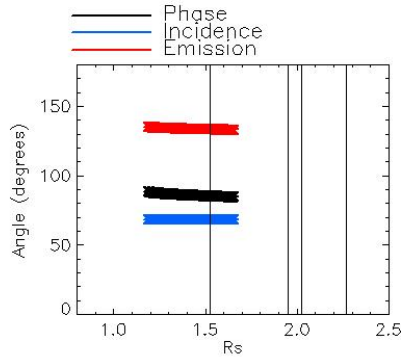
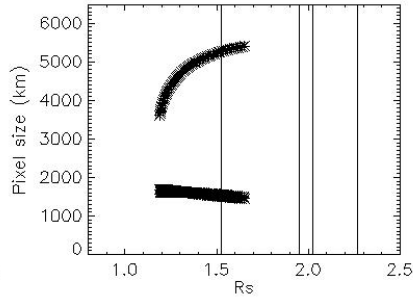
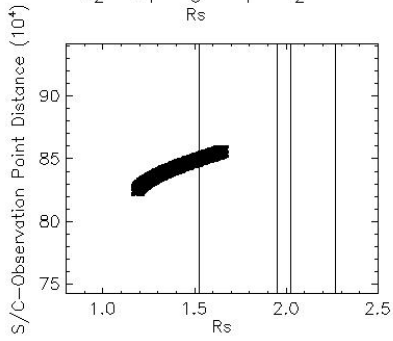


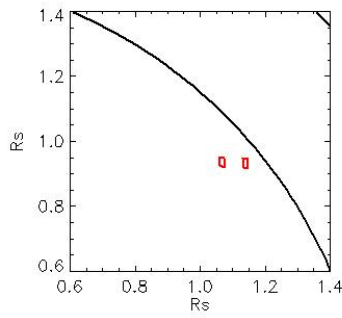
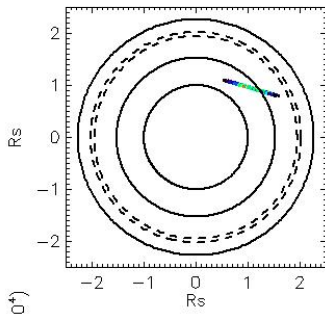
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_16_15_46

Observation Duration:
1200 S

Integration time = 300 S



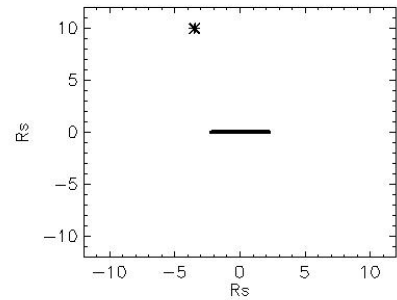
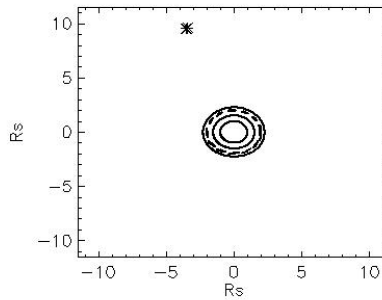
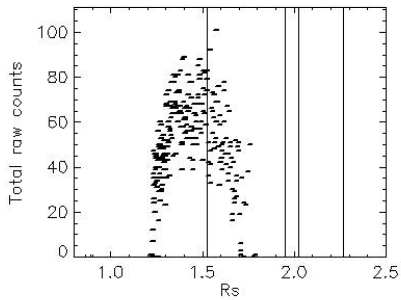
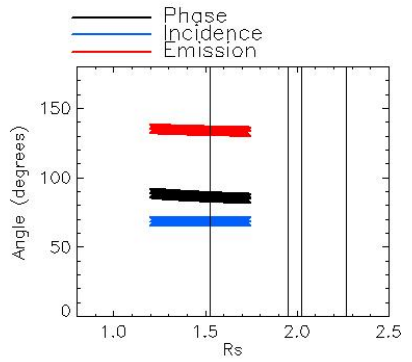
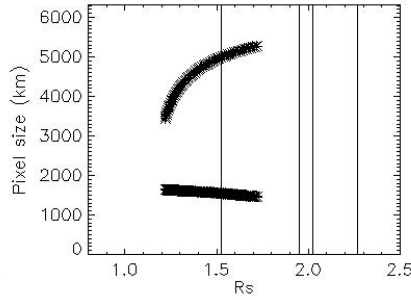
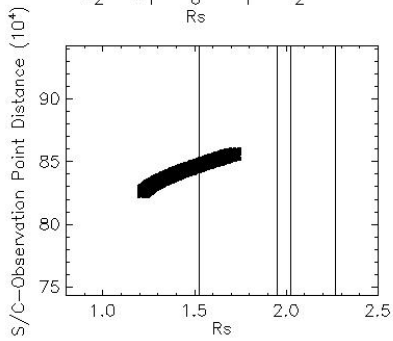


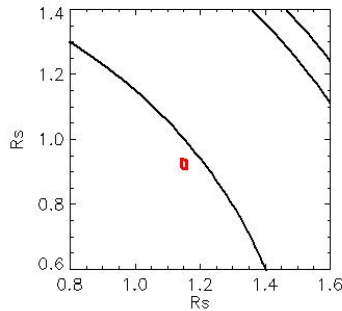
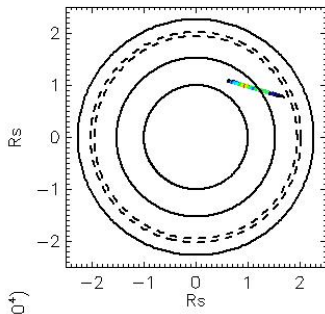
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_16_37_09

Observation Duration:
1200 S

Integration time = 300 S



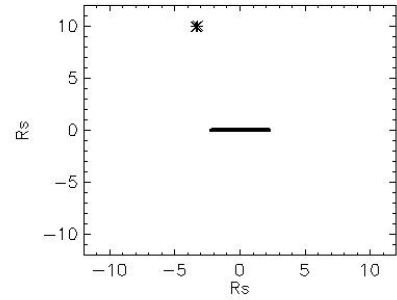
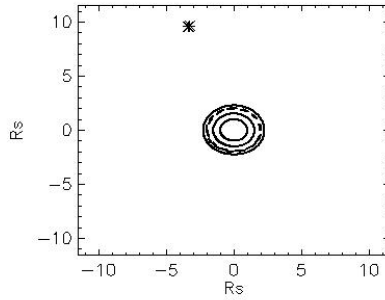
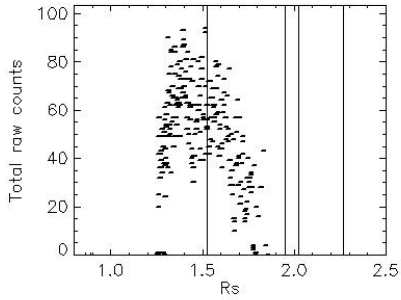
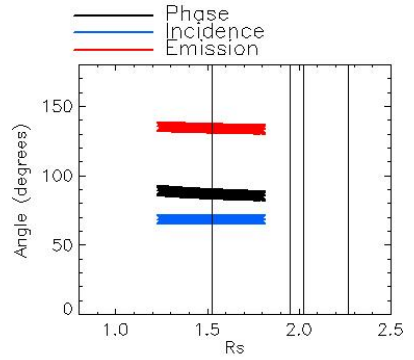
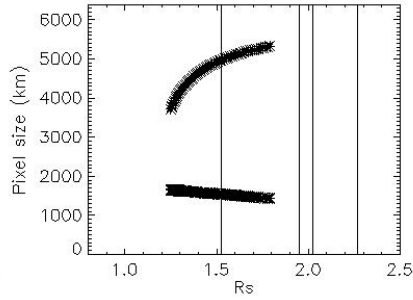
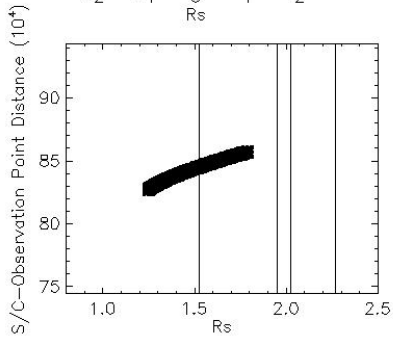


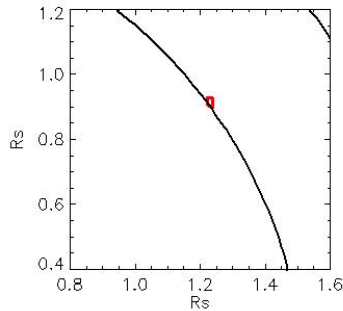
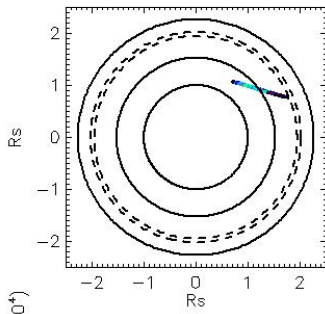
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_16_58_32

Observation Duration:
1200 S

Integration time = 300 S



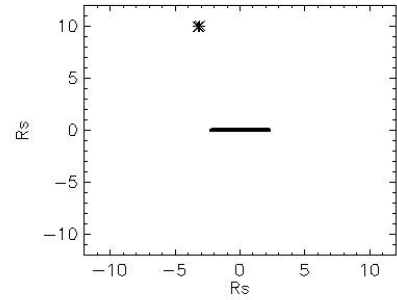
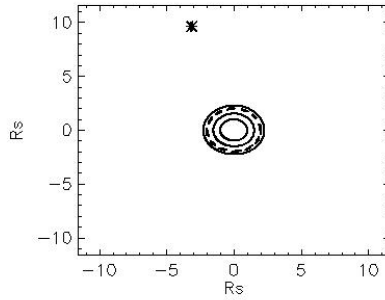
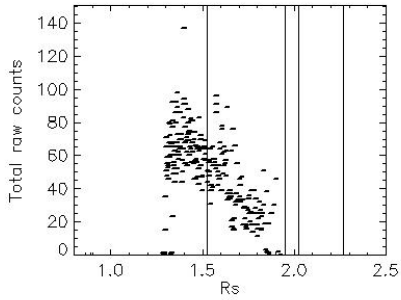
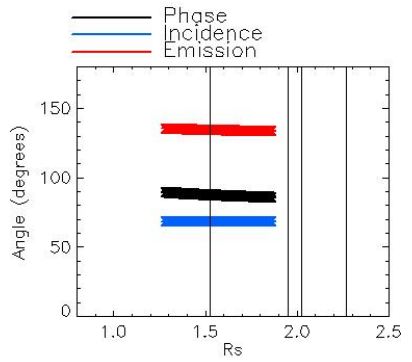
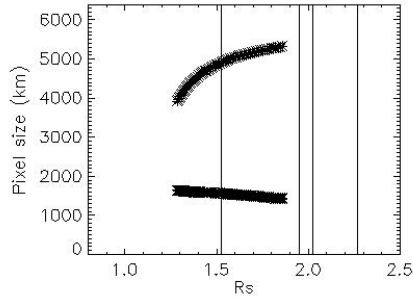
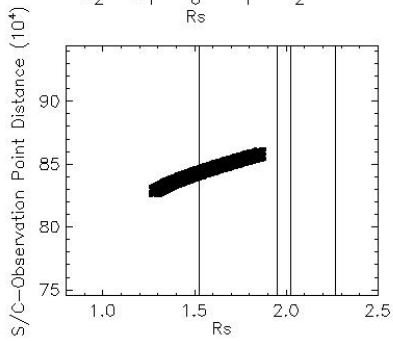


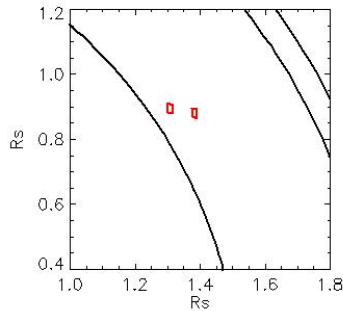
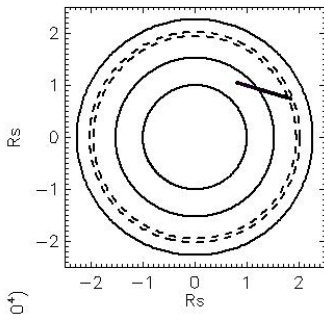
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_17_19_55

Observation Duration:
1200 S

Integration time = 300 S



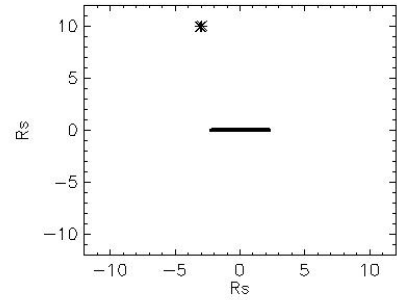
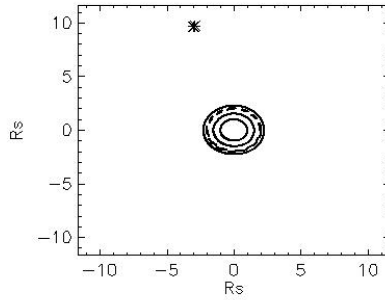
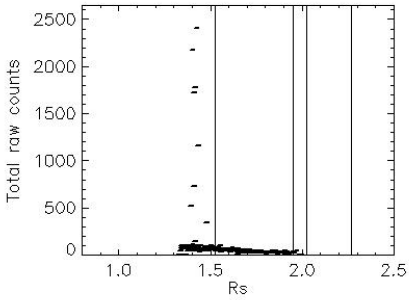
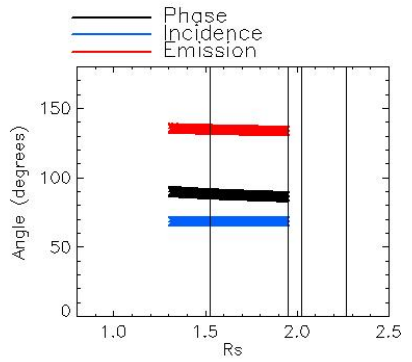
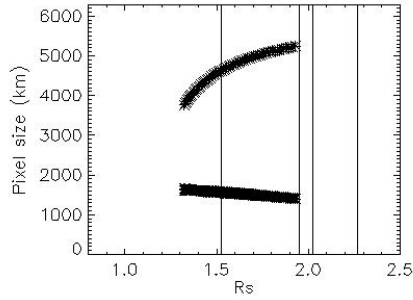
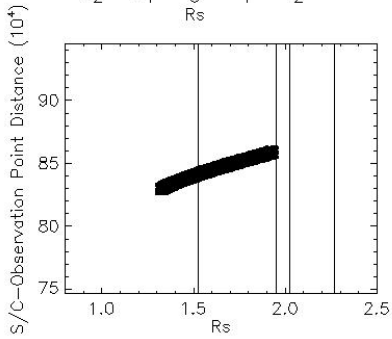


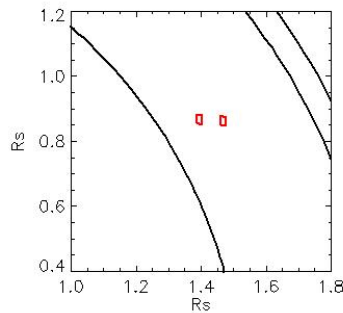
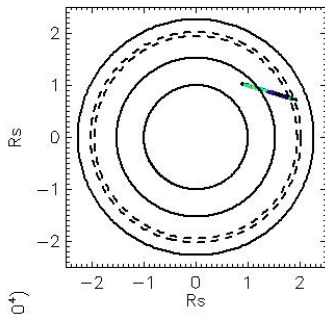
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_17_41_18

Observation Duration:
1200 S

Integration time = 300 S



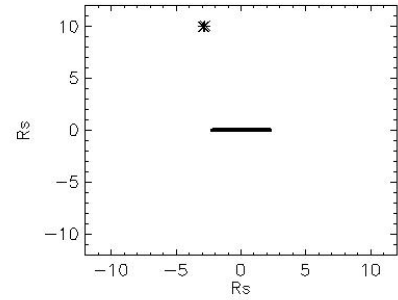
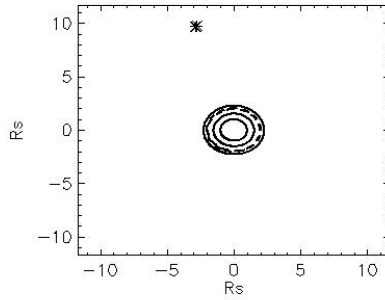
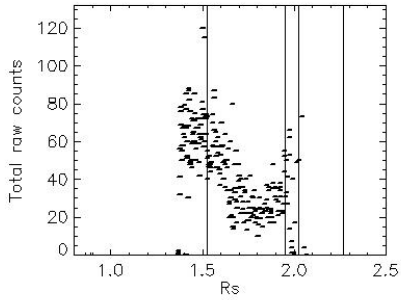
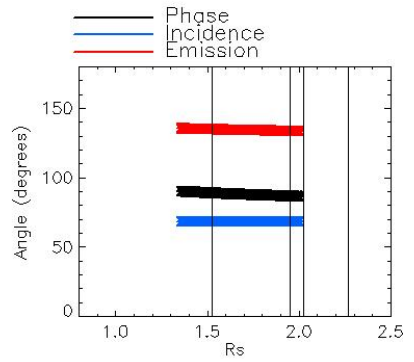
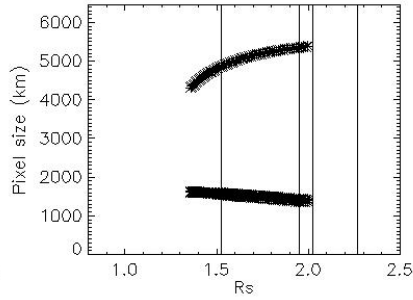
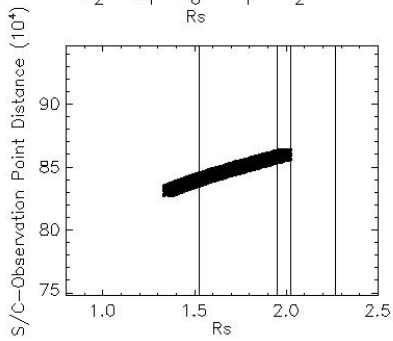


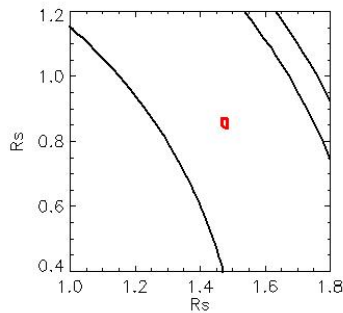
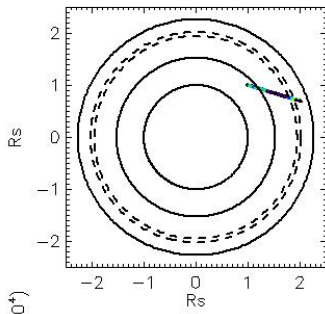
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_18_02_41

Observation Duration:
1200 S

Integration time = 300 S



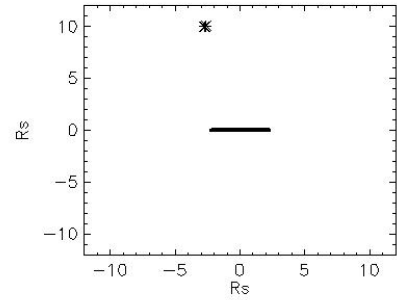
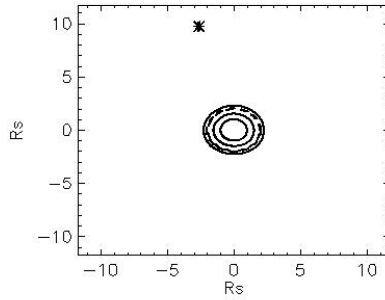
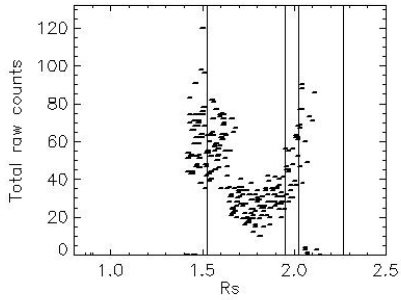
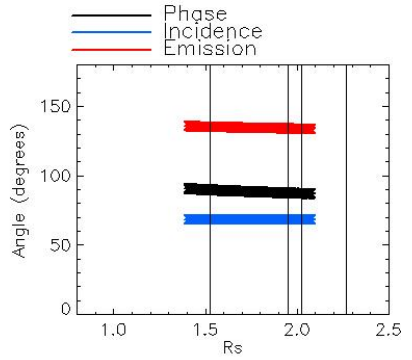
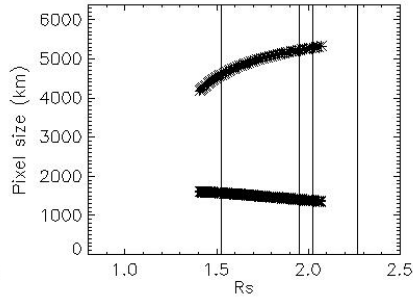
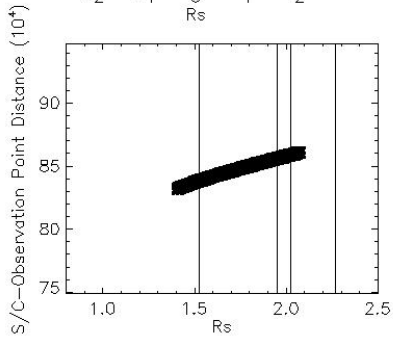


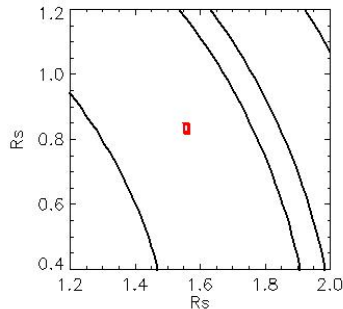
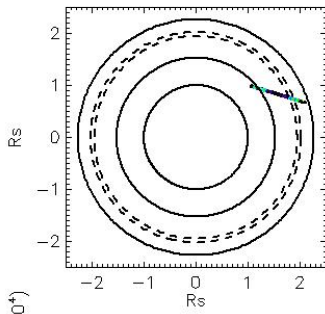
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_18_24_04

Observation Duration:
1200 S

Integration time = 300 S



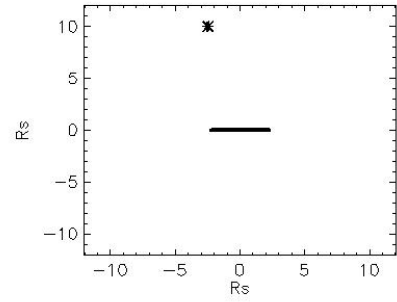
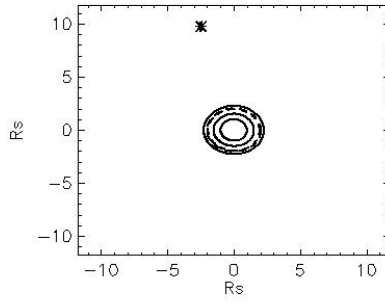
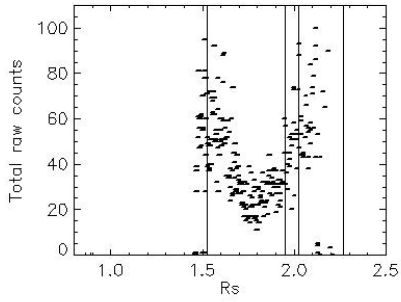
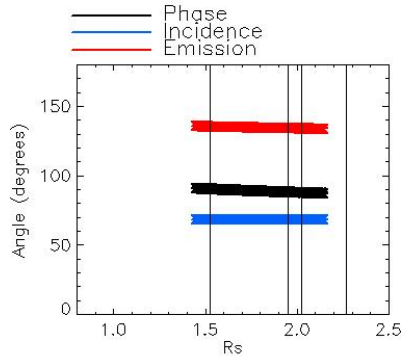
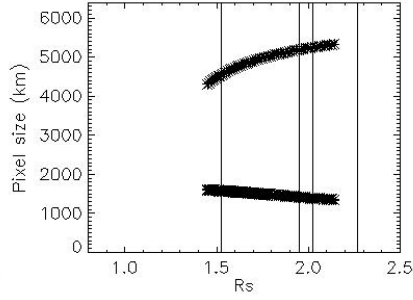
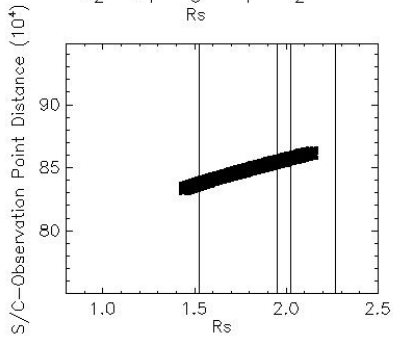


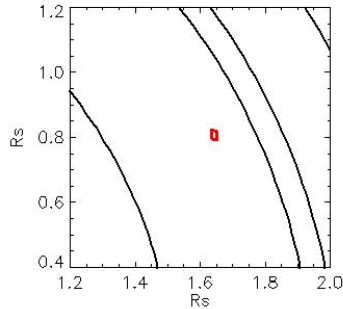
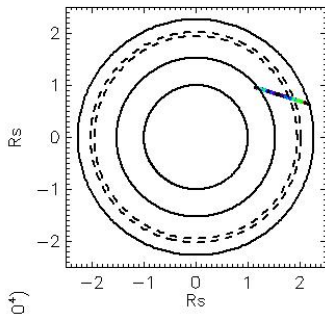
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_18_45_27

Observation Duration:
1200 S

Integration time = 300 S



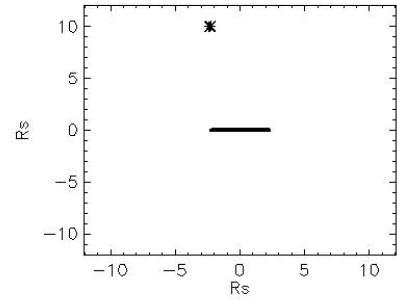
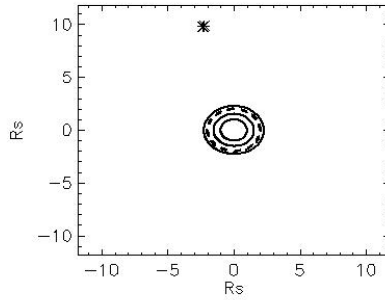
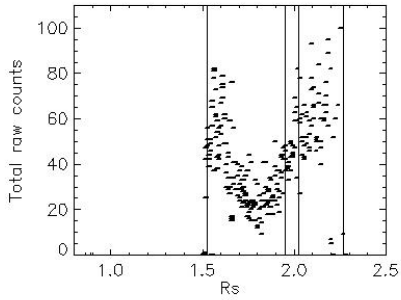
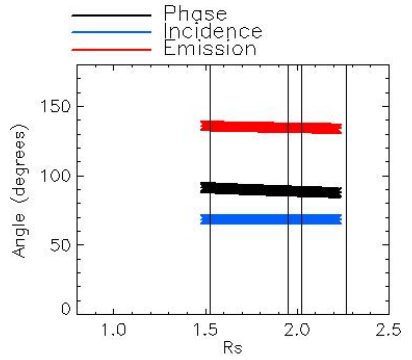
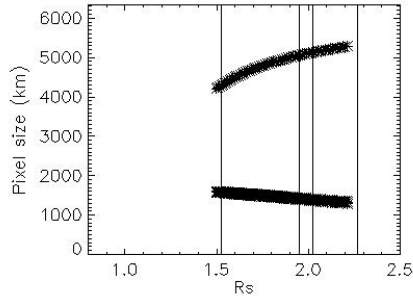
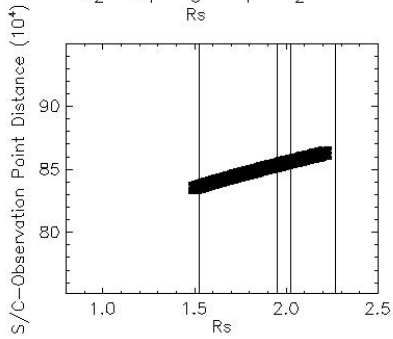


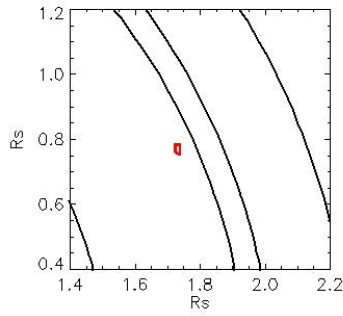
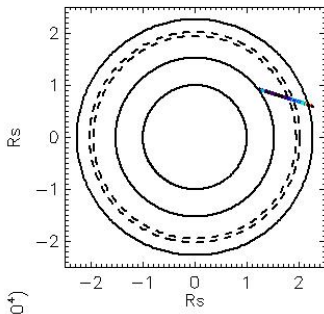
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_19_06_50

Observation Duration:
1200 S

Integration time = 300 S



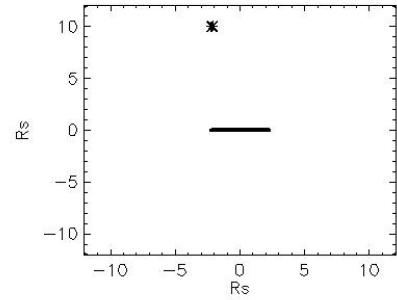
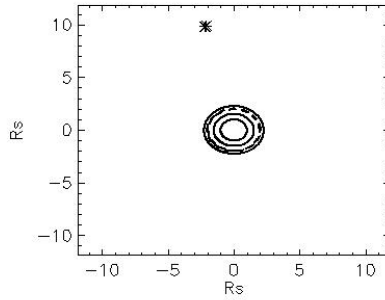
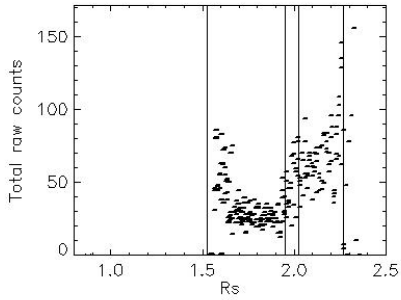
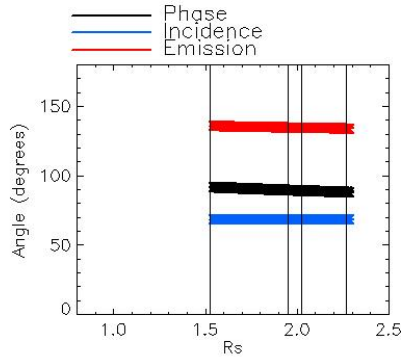
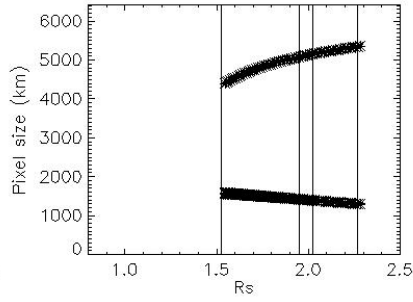
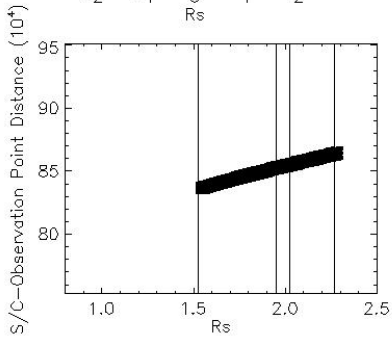


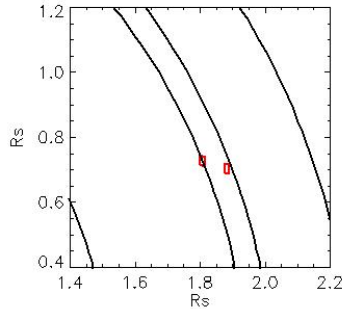
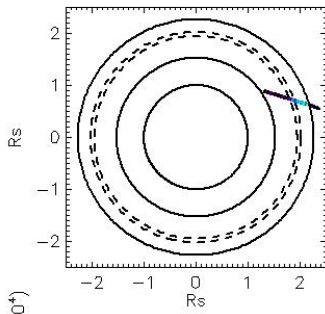
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_19_28_13

Observation Duration:
1200 S

Integration time = 300 S



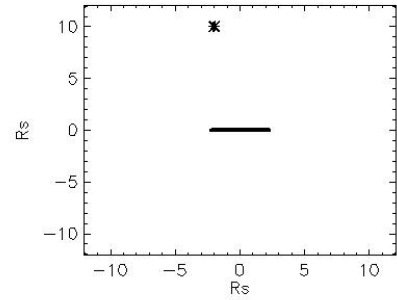
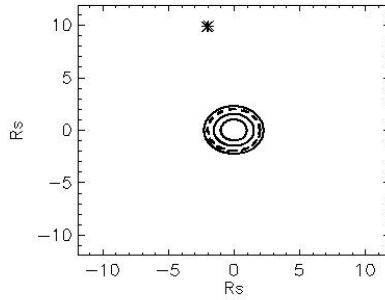
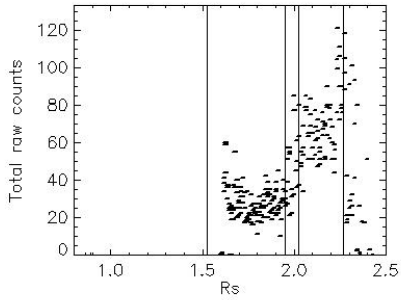
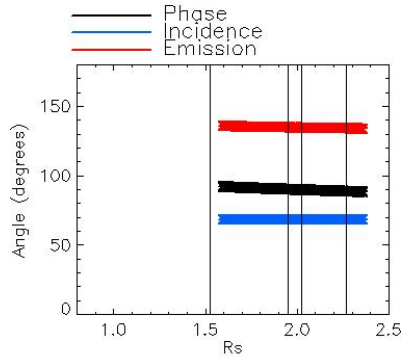
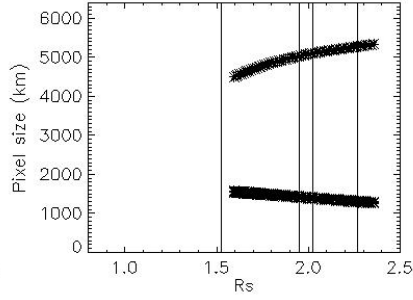
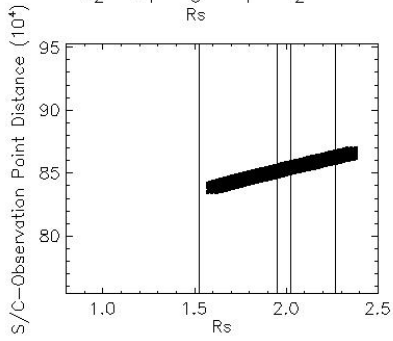


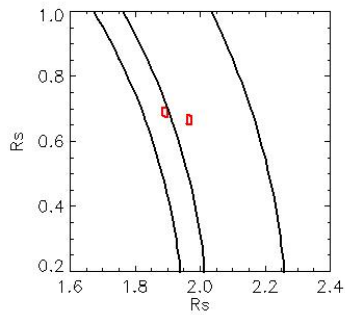
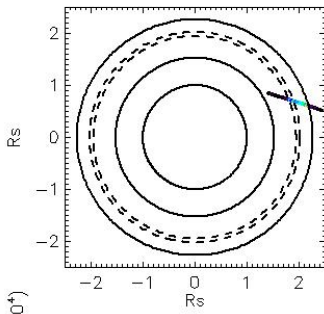
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_19_49_36

Observation Duration:
1200 S

Integration time = 300 S



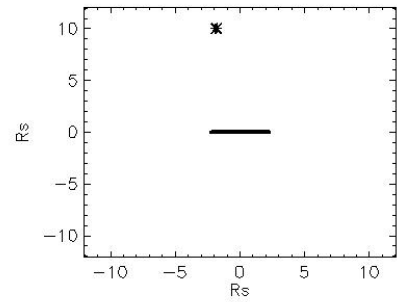
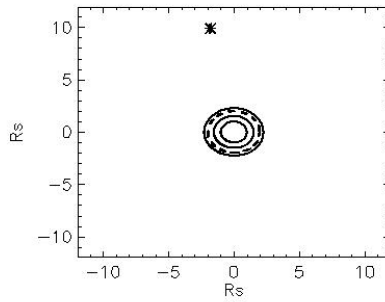
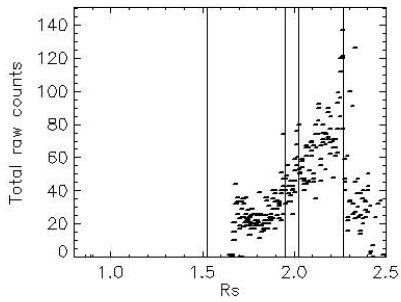
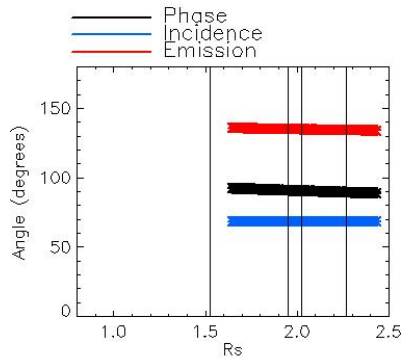
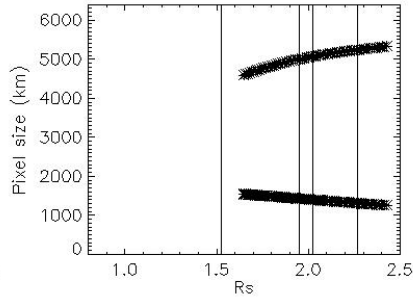
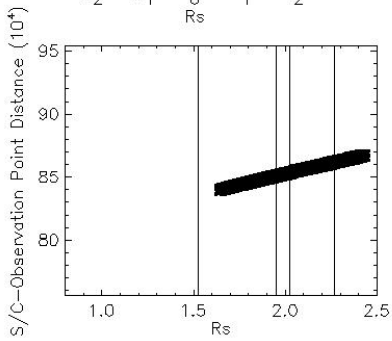


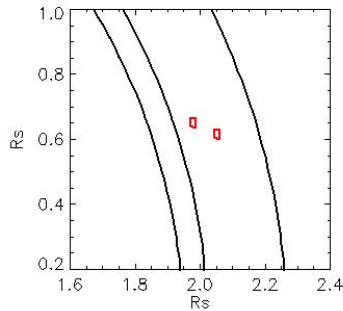
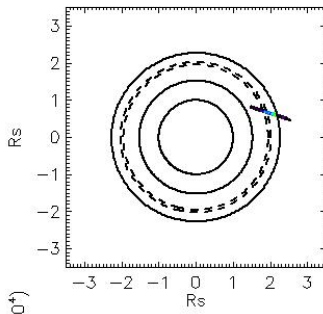
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_20_10_59

Observation Duration:
1200 S

Integration time = 300 S



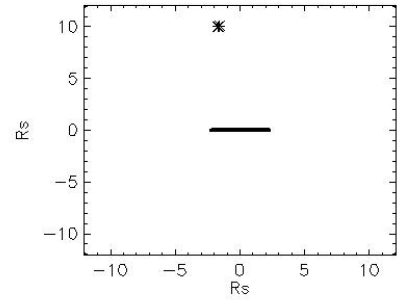
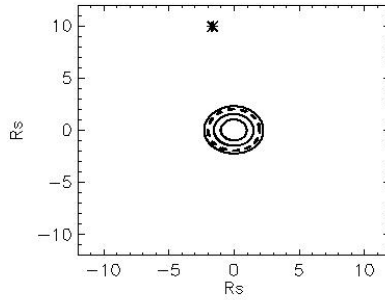
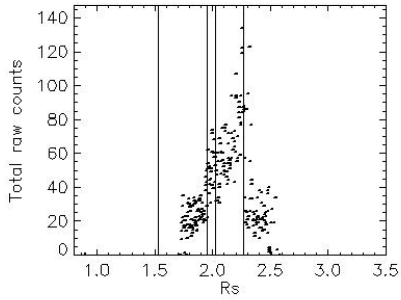
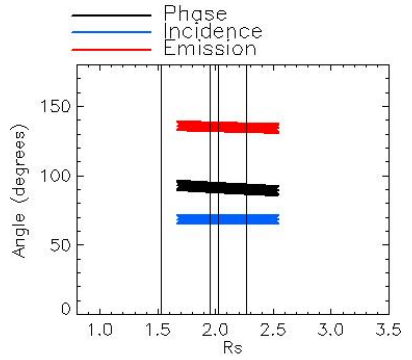
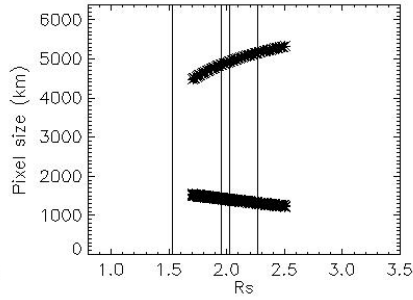
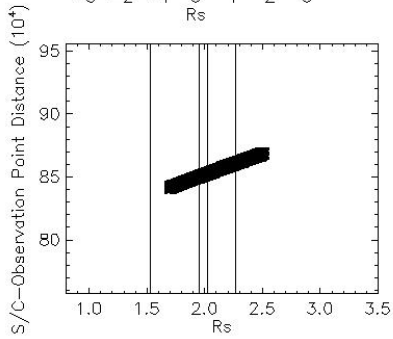


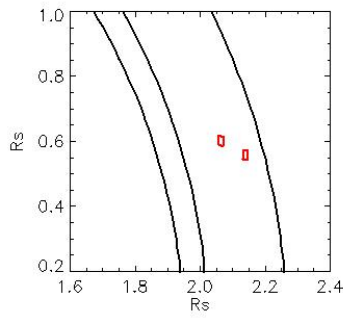
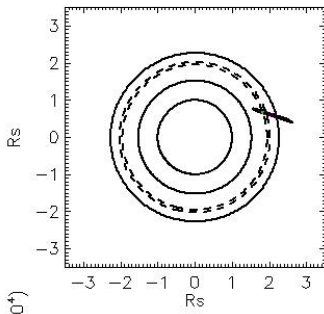
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_20_32_22

Observation Duration:
1200 S

Integration time = 300 S



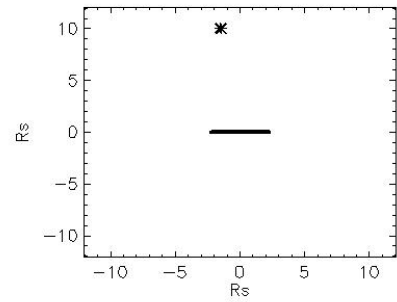
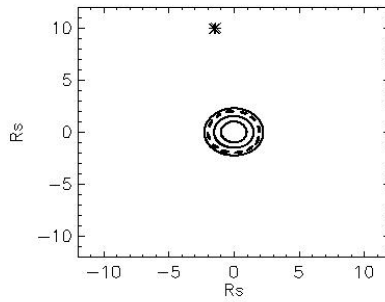
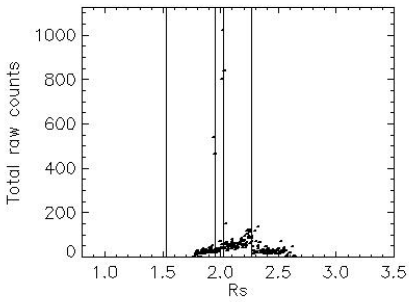
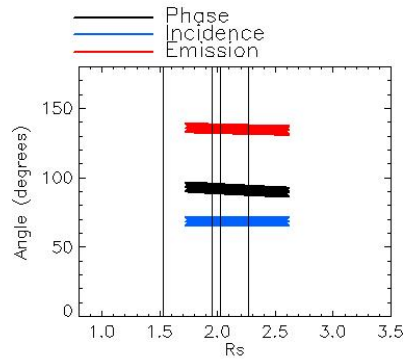
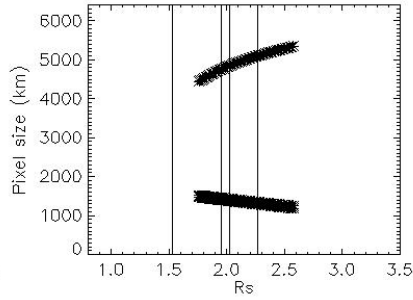
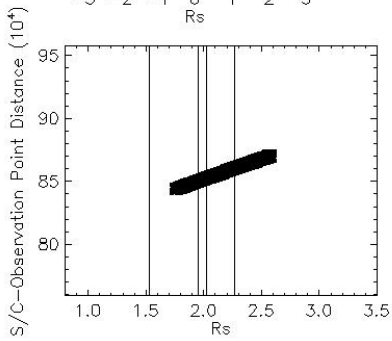


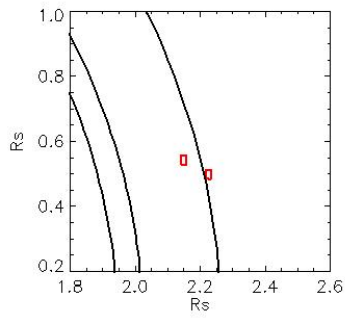
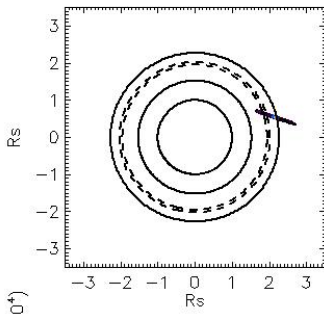
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_20_53_45

Observation Duration:
1200 S

Integration time = 300 S



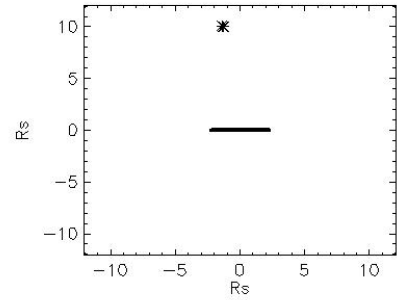
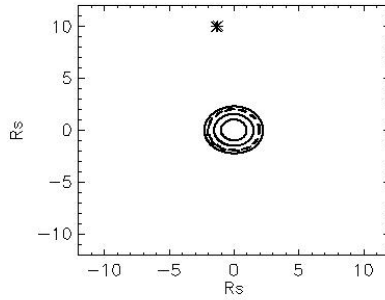
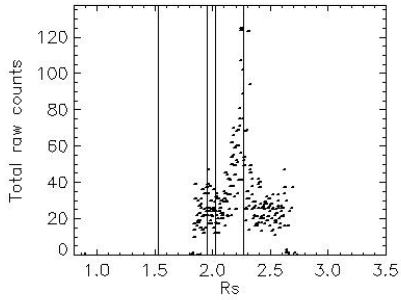
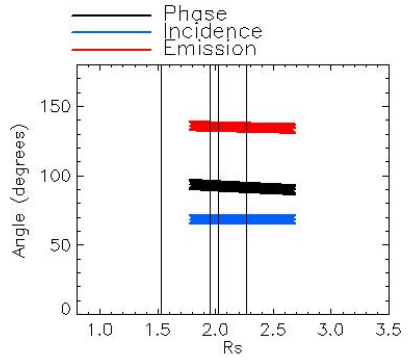
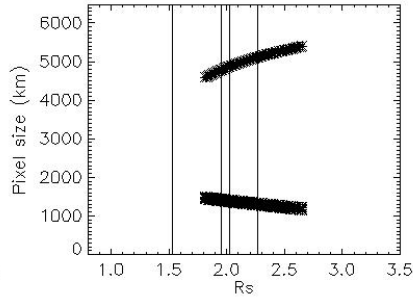
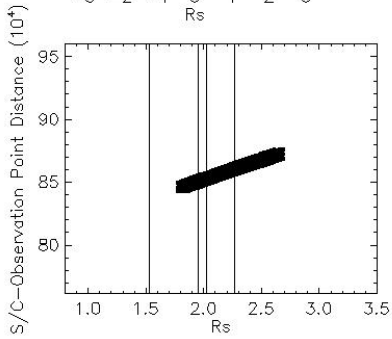


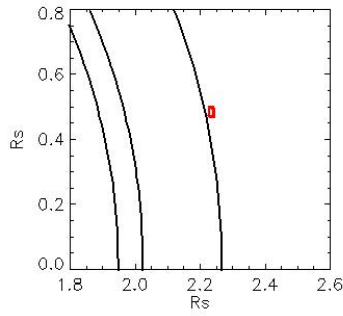
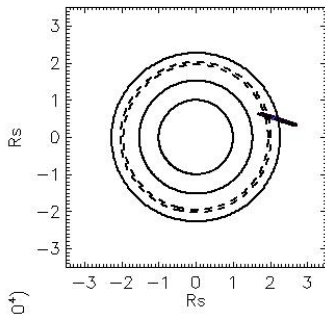
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_21_15_09

Observation Duration:
1200 S

Integration time = 300 S



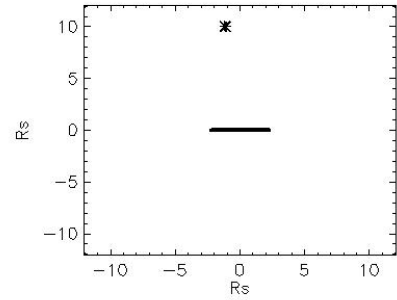
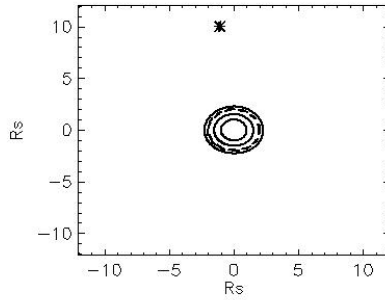
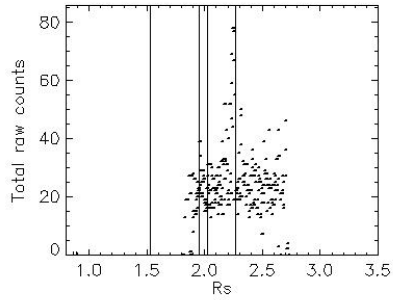
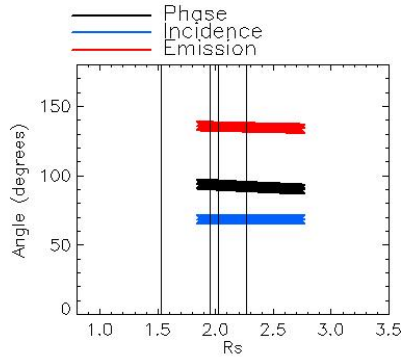
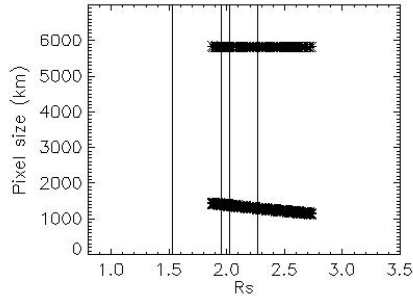
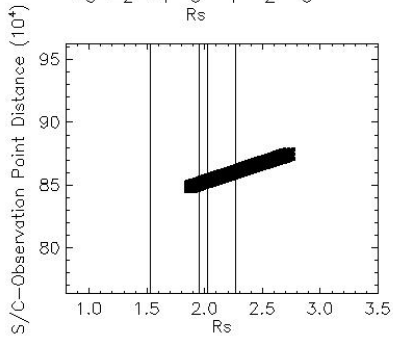


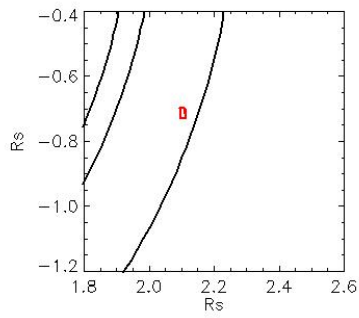
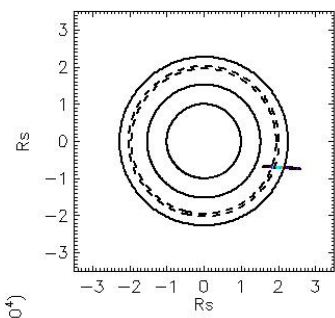
Observation Name:
UMS_202RLPHOTDRK004_ISS

Observation Date:
2014_067_21_36_33

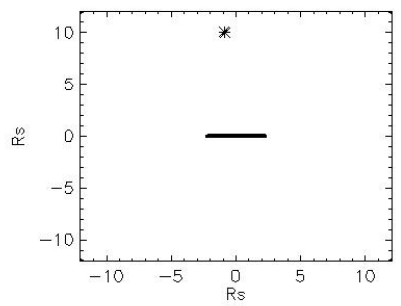
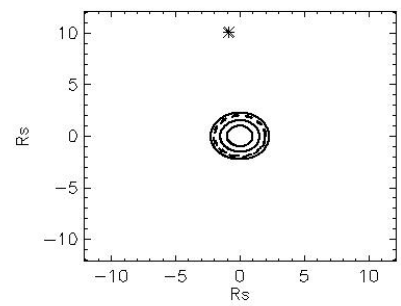
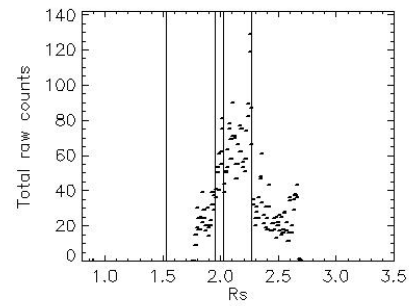
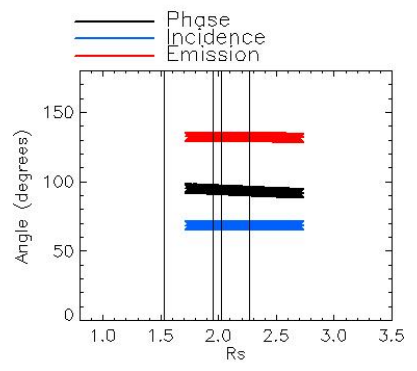
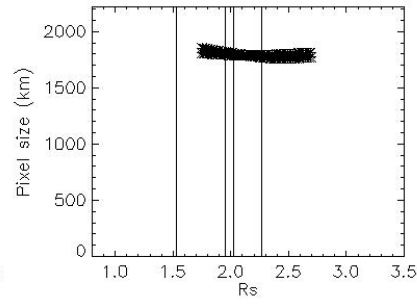
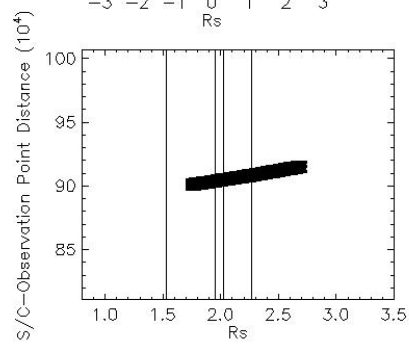
Observation Duration:
1200 S

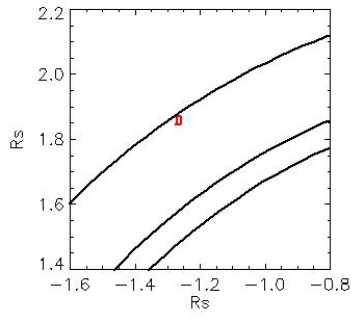
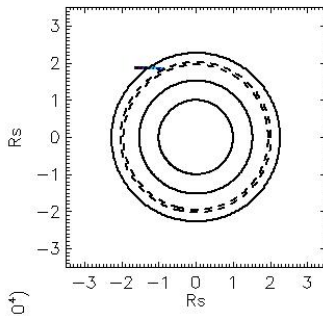
Integration time = 300 S





Observation Name:
 UVS_202RLPROPRETRG001_ISS
 Observation Date:
 2014_067_22_12_02
 Observation Duration:
 600 S
 Integration time = 300 S



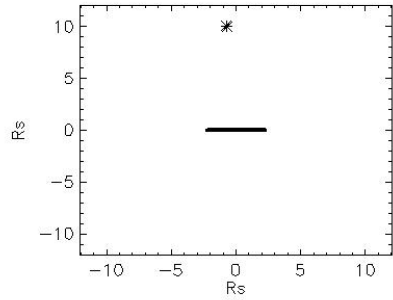
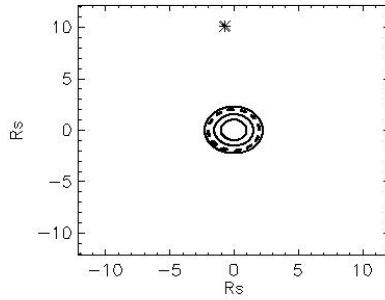
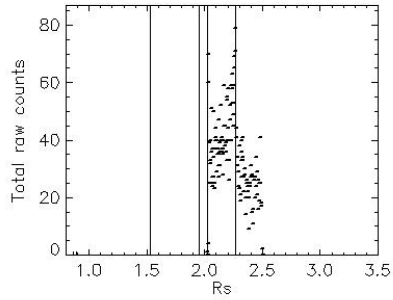
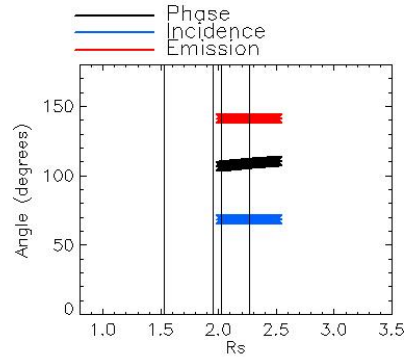
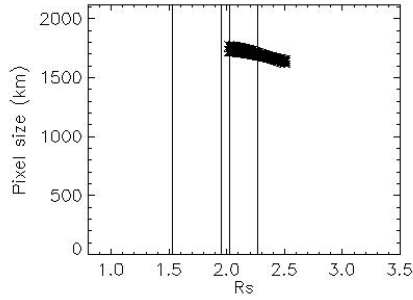
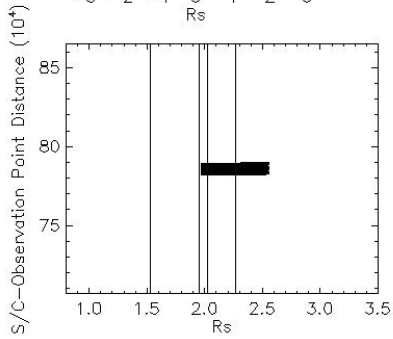


Observation Name:
UMS_202RLPROPRETRG001_ISS

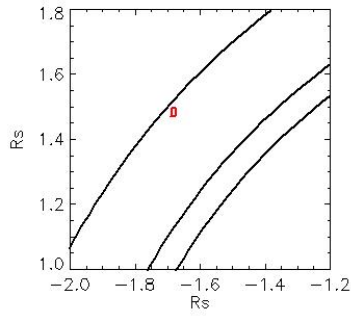
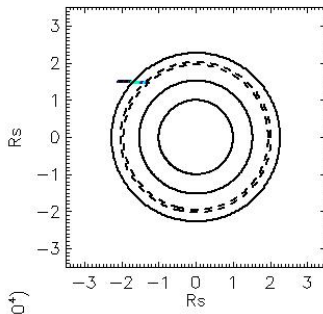
Observation Date:
2014_067_22_31_02

Observation Duration:
600 S

Integration time = 300 S



— Phase
— Incidence
— Emission

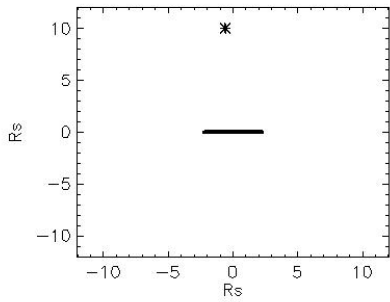
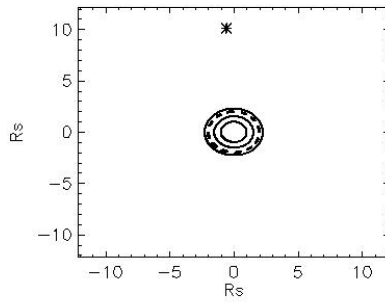
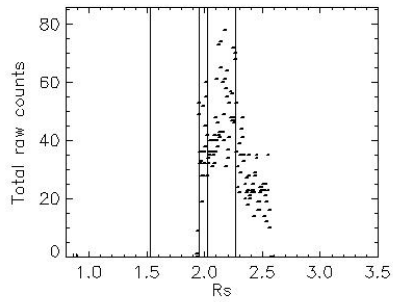
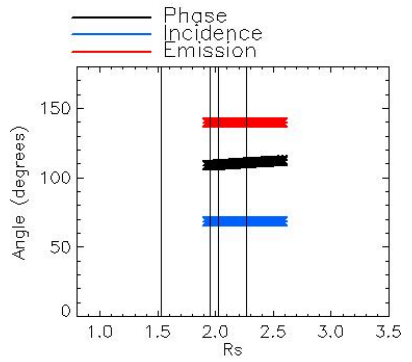
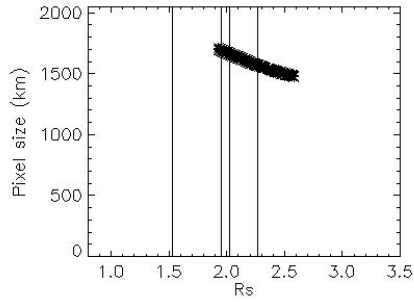
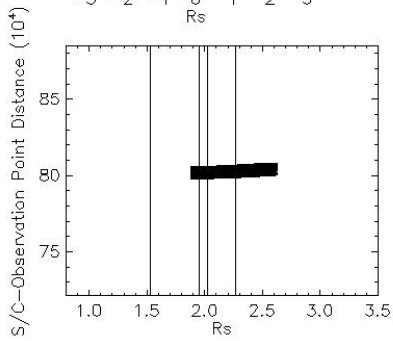


Observation Name:
UMS_202RLPROPRETRG001_ISS

Observation Date:
2014_067_22_46_02

Observation Duration:
600 S

Integration time = 300 S

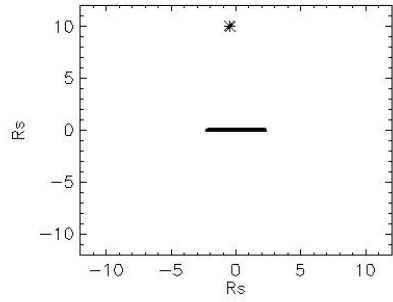
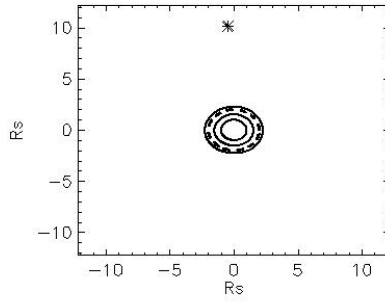
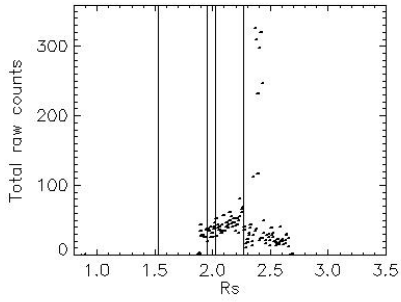
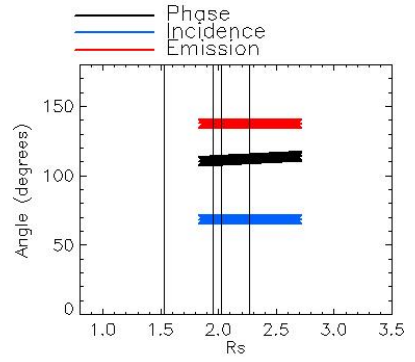
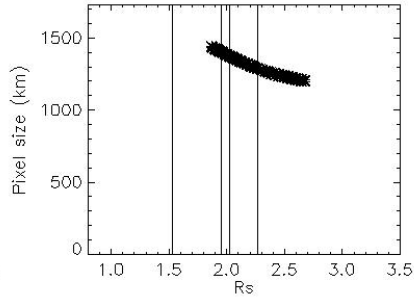
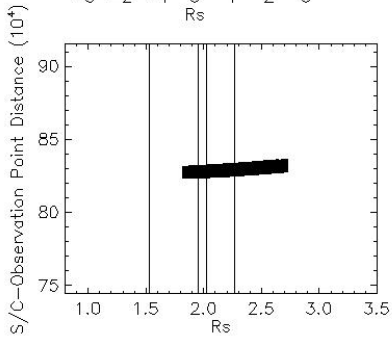
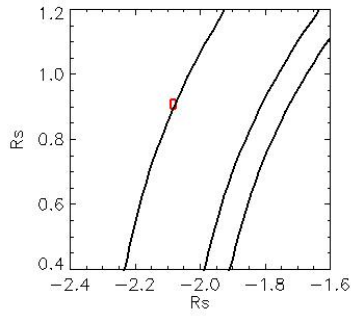
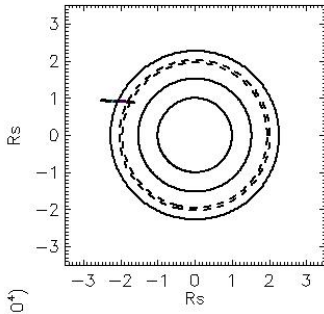


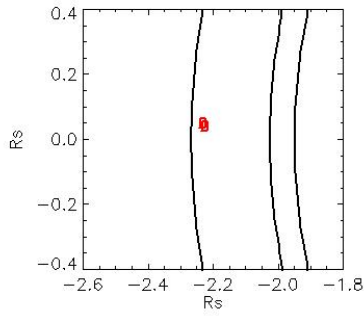
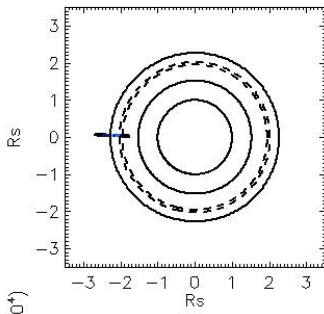
Observation Name:
UMS_202RLPROPRETRG001_ISS

Observation Date:
2014_067_23_04_02

Observation Duration:
600 S

Integration time = 300 S



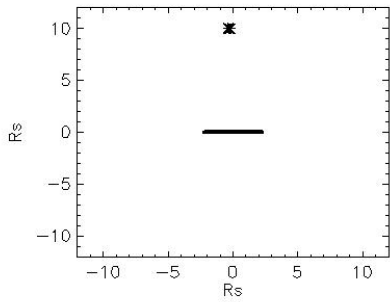
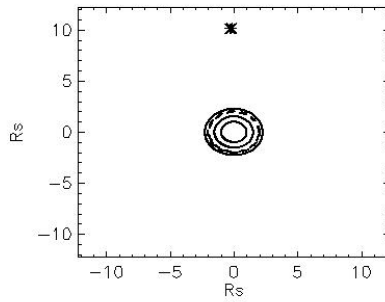
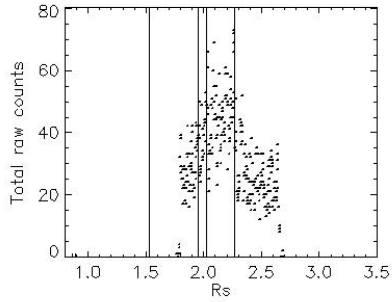
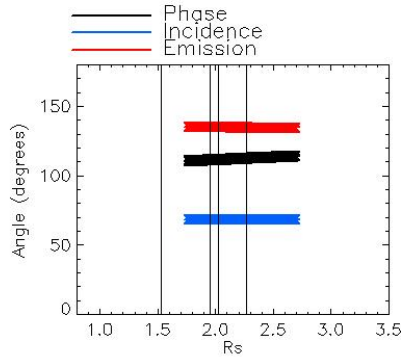
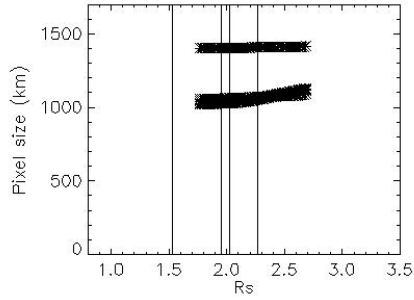
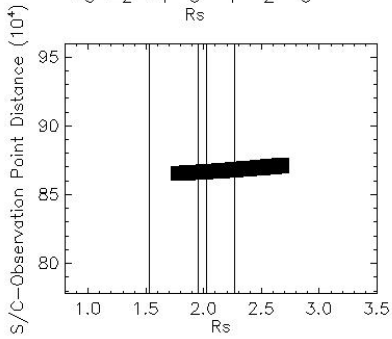


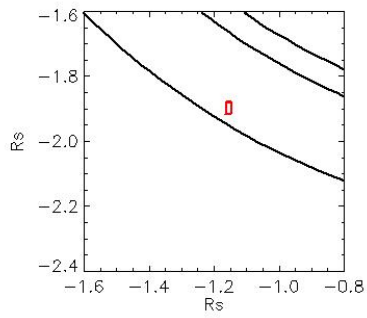
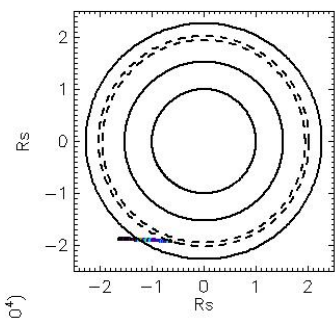
Observation Name:
UMS_202RLPROPRETRG001_ISS

Observation Date:
2014_067_23_19_02

Observation Duration:
1500 S

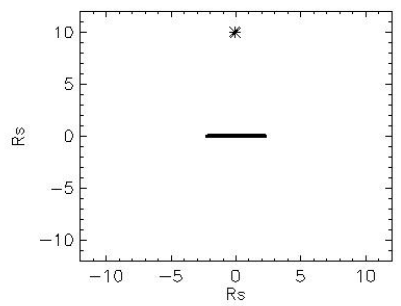
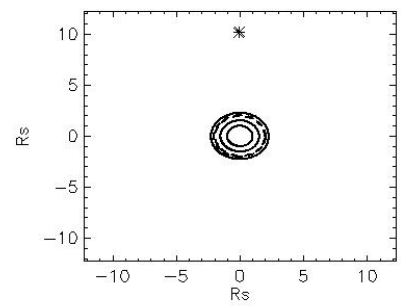
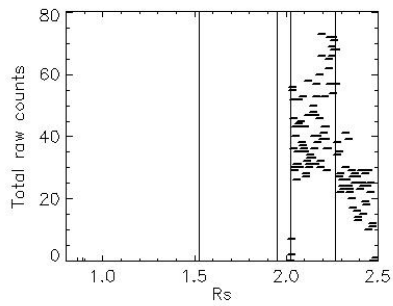
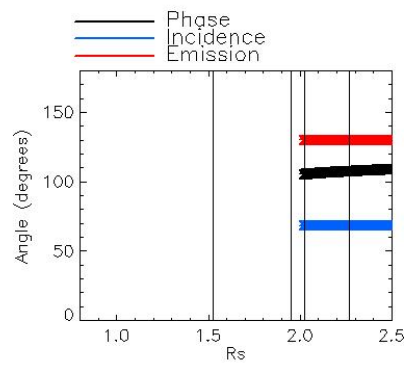
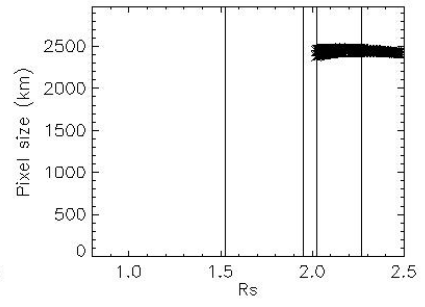
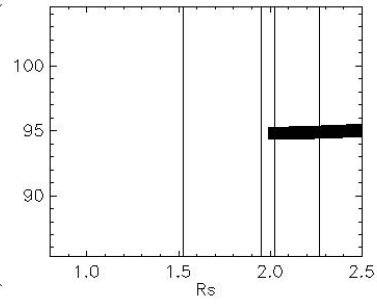
Integration time = 300 S

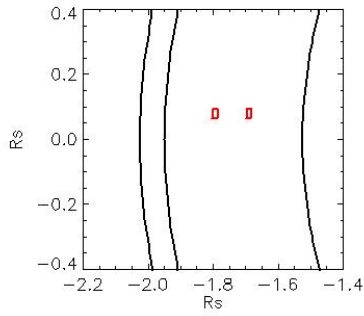
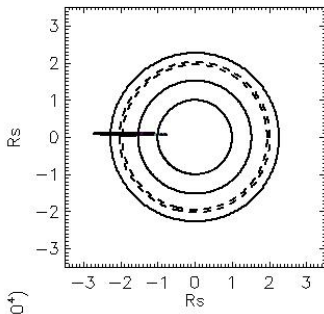




Observation Name:
 UVS_202RLPROPETRG001_ISS
 Observation Date:
 2014_067_23_49_02
 Observation Duration:
 600 S
 Integration time = 300 S

S/C—Observation Point Distance (10^4)



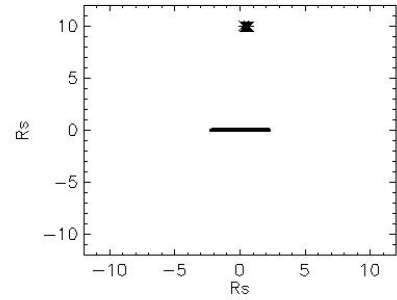
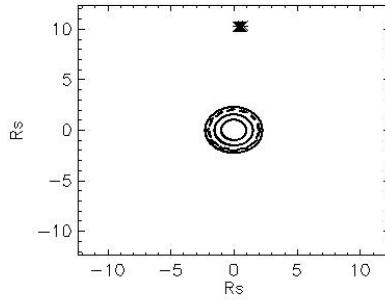
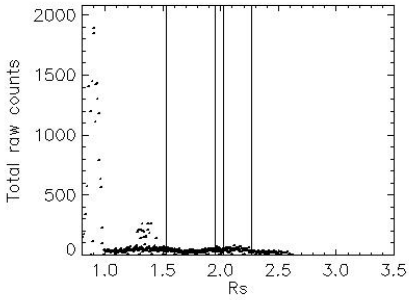
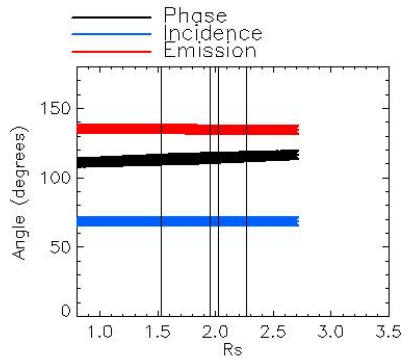
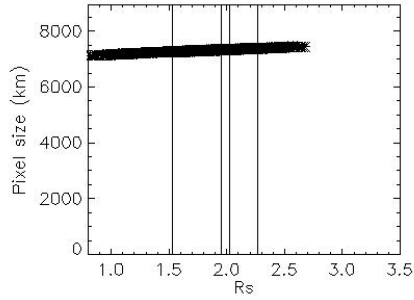
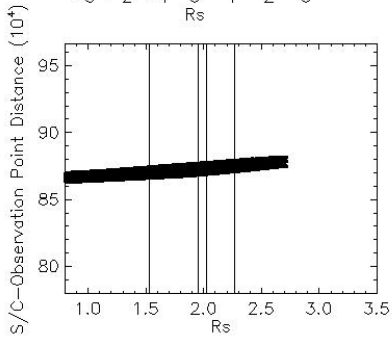


Observation Name:
UMS_202RLSP140L70S022_CIRS

Observation Date:
2014_068_00_40_02

Observation Duration:
3000 S

Integration time = 300 S

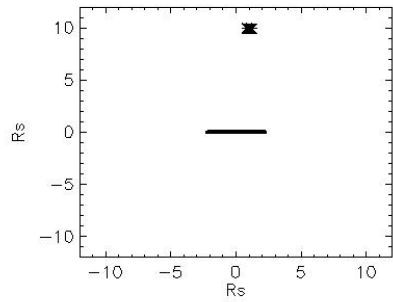
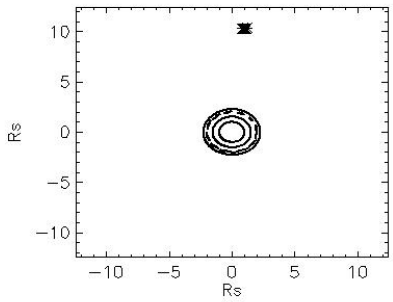
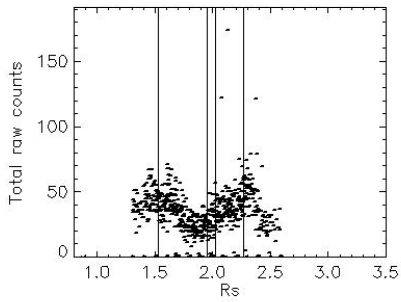
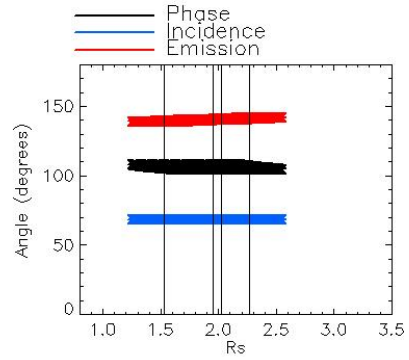
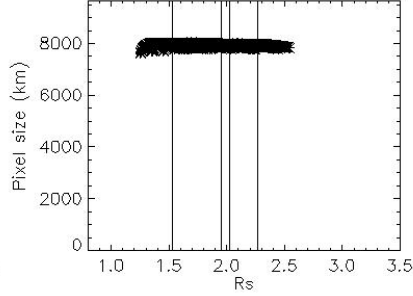
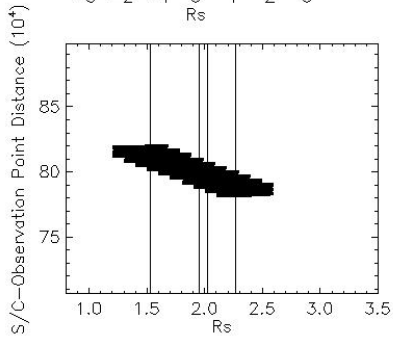
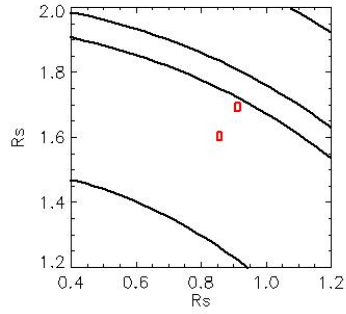
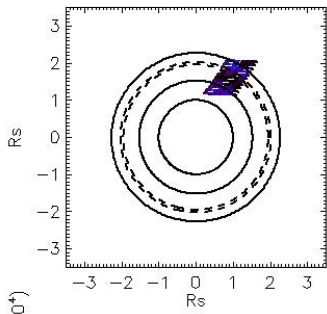


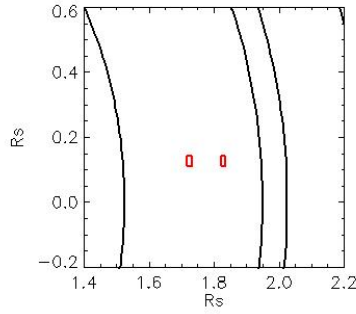
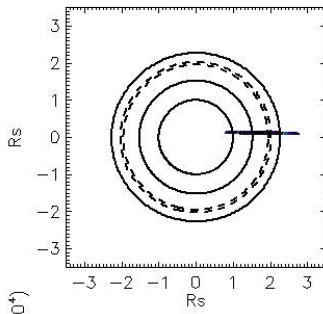
Observation Name:
UVIS_202RLSP140L70S022_CIRS

Observation Date:
2014_068_01_40_02

Observation Duration:
3000 S

Integration time = 300 S



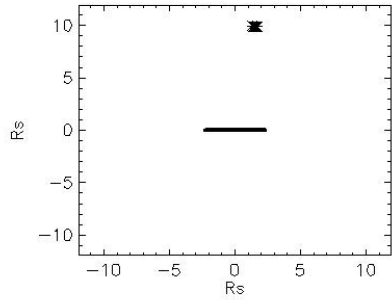
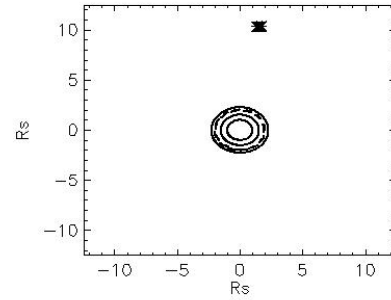
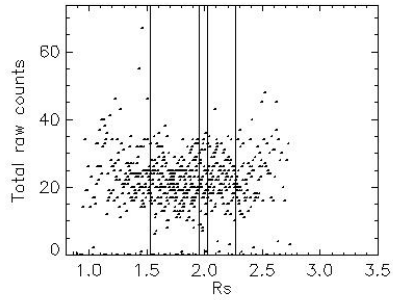
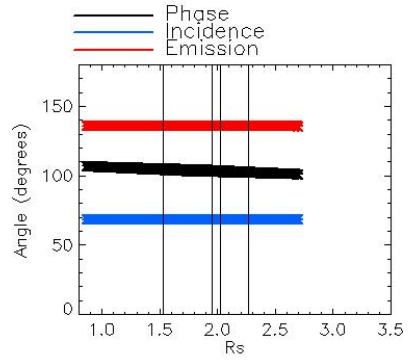
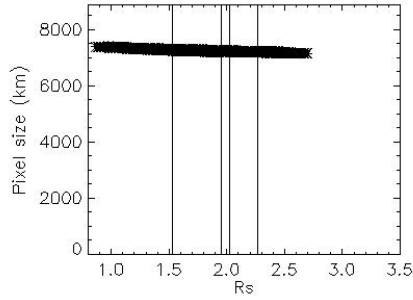
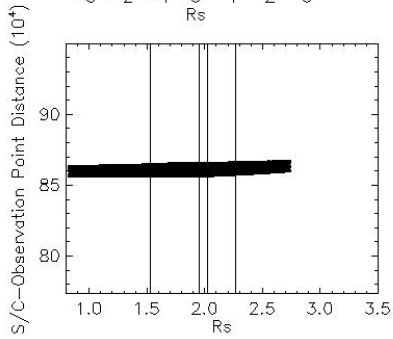


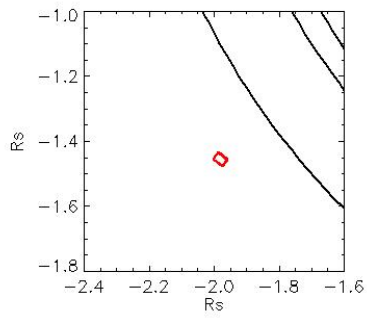
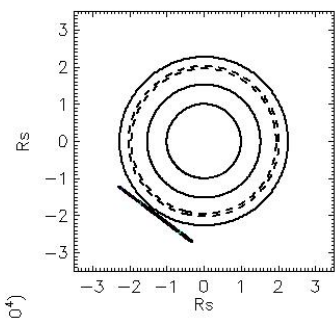
Observation Name:
UMS_202RLSP140L70S022_CIRS

Observation Date:
2014_068_03_40_02

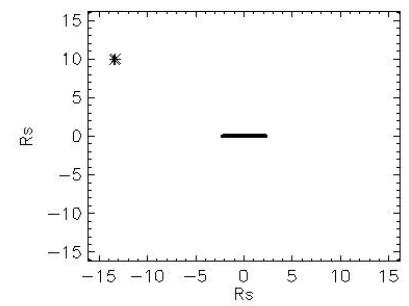
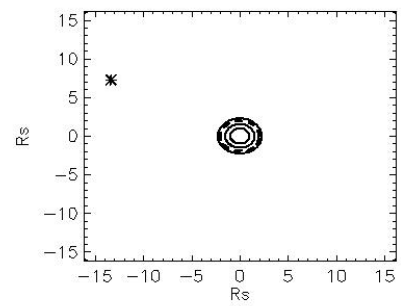
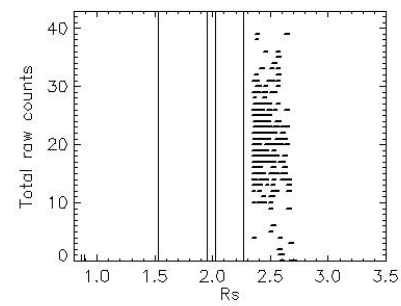
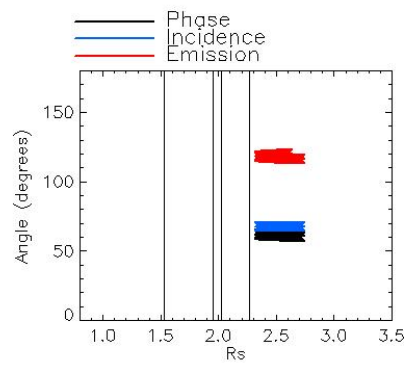
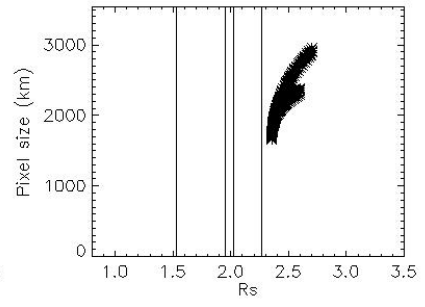
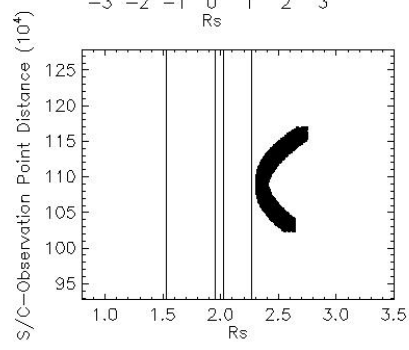
Observation Duration:
3000 S

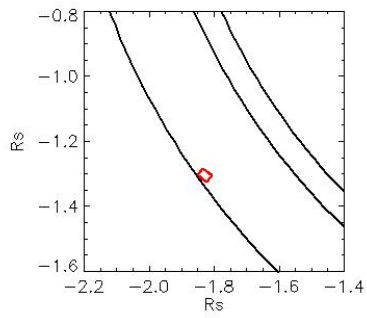
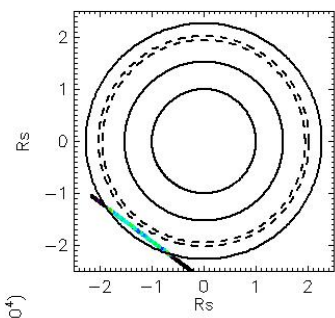
Integration time = 300 S





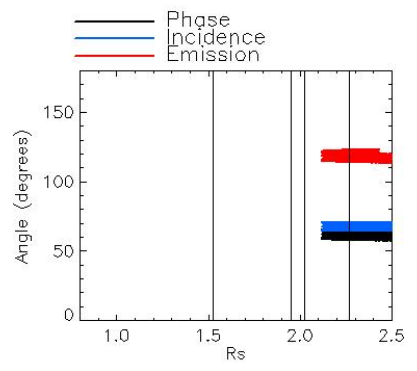
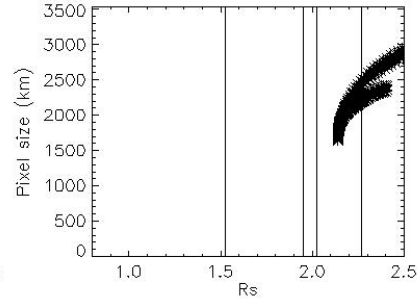
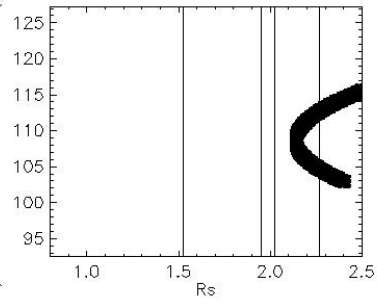
Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_15_10_03
 Observation Duration:
 1500 S
 Integration time = 300 S



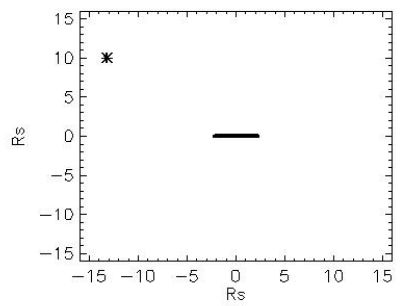
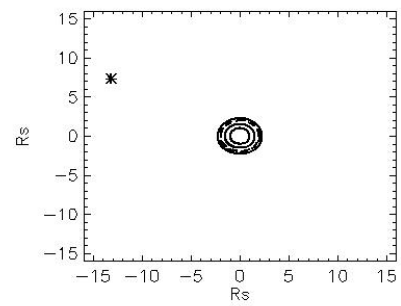
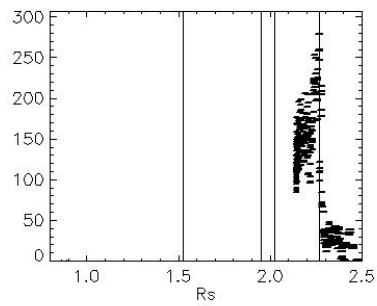


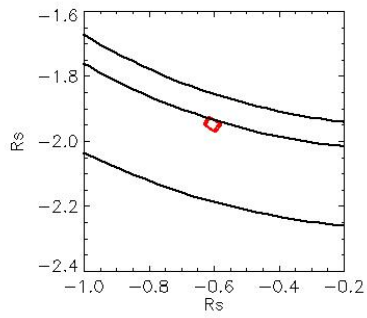
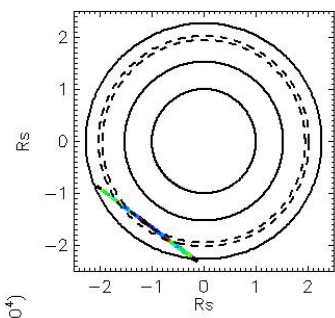
Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_15_38_30
 Observation Duration:
 1500 S
 Integration time = 300 S

S/C—Observation Point Distance (10^4)

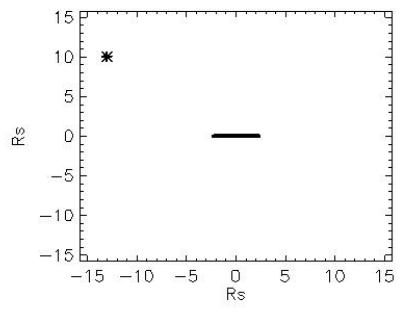
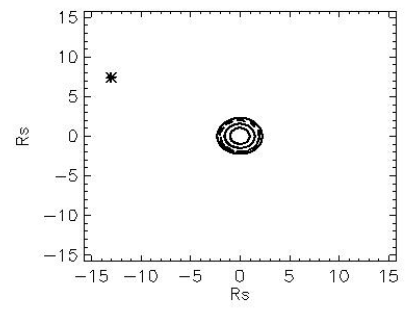
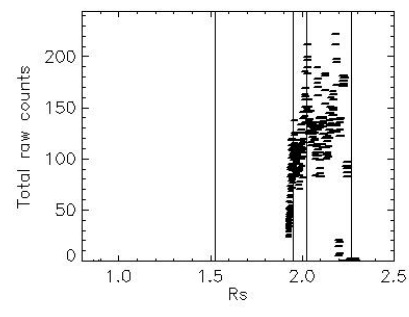
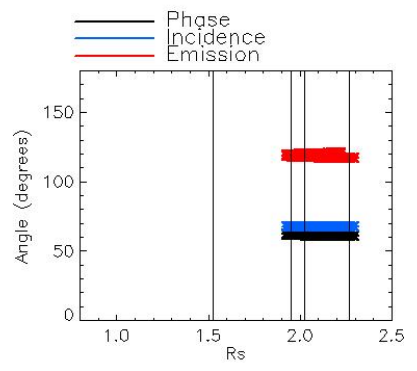
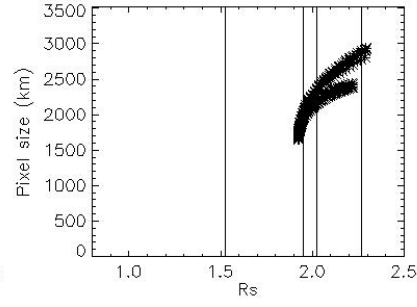
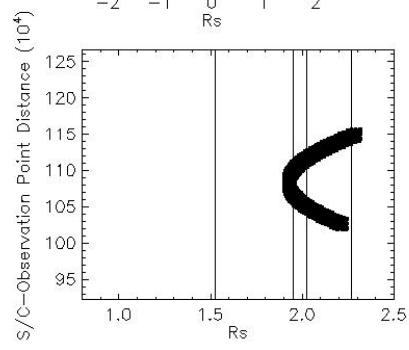


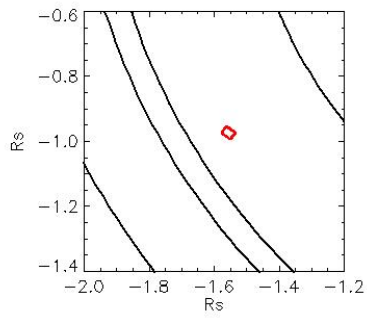
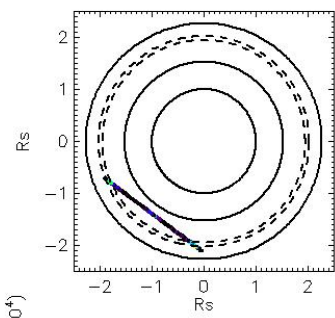
Total raw counts



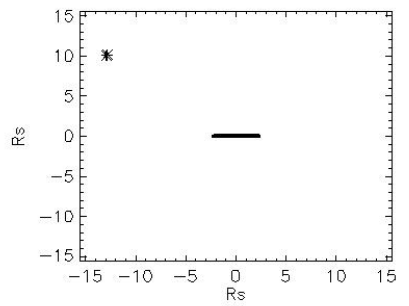
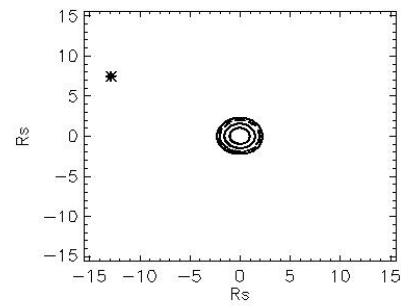
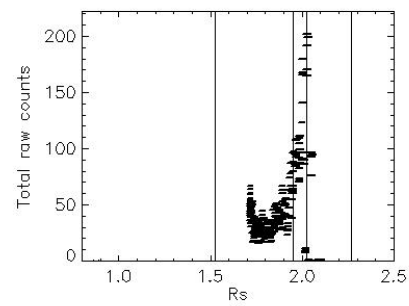
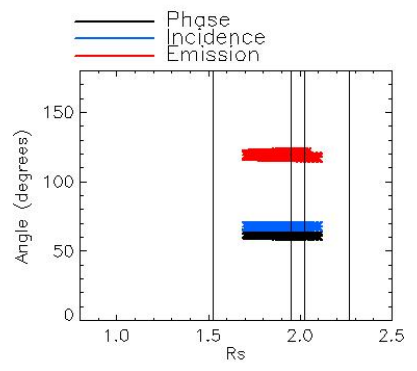
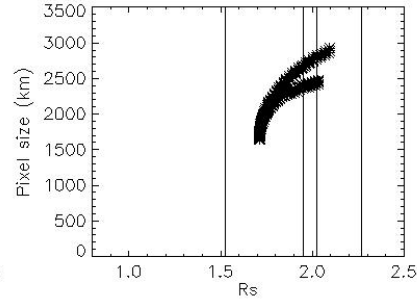
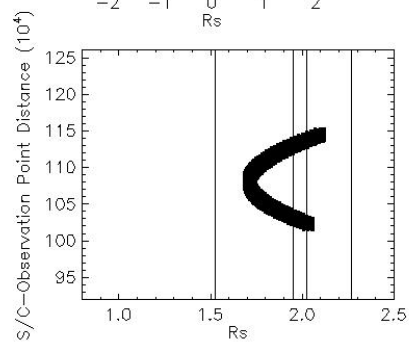


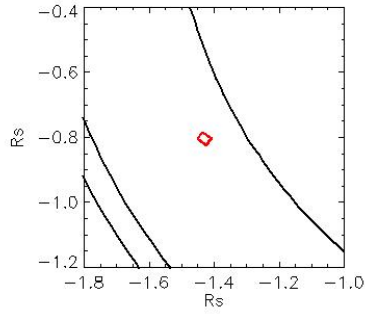
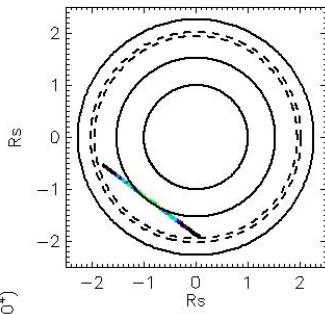
Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_16_06_57
 Observation Duration:
 1500 S
 Integration time = 300 S





Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_16_35_24
 Observation Duration:
 1500 S
 Integration time = 300 S



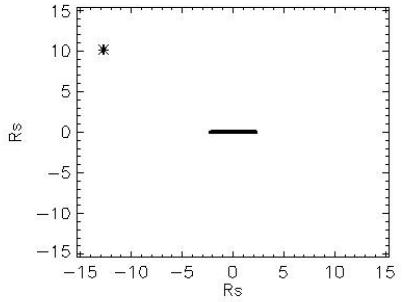
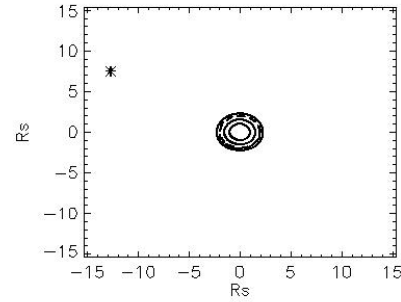
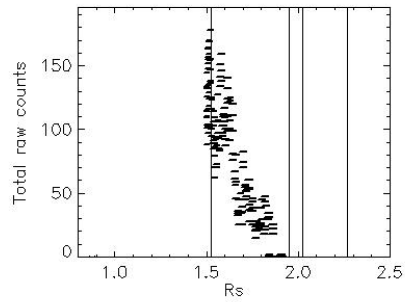
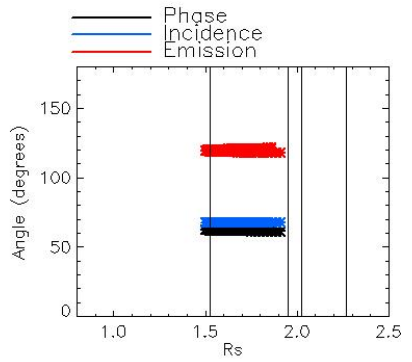
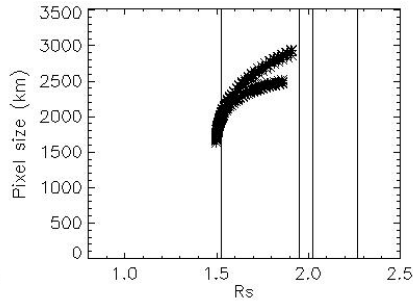
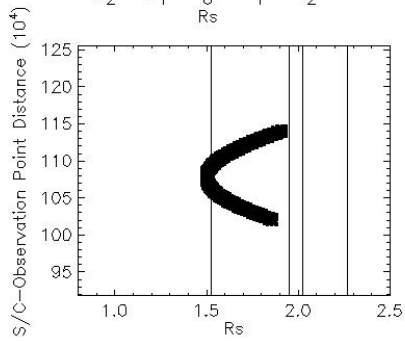


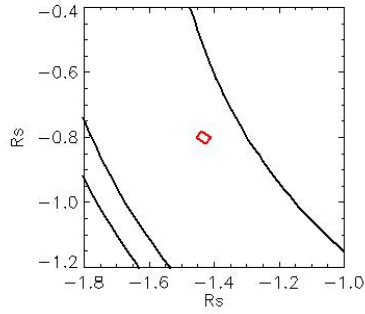
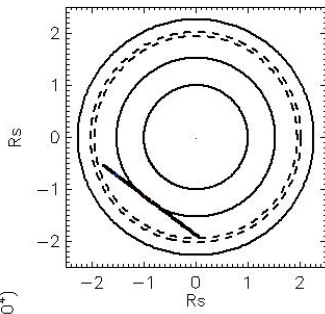
Observation Name:
UVS_206RLLATPHASE001_VIMS

Observation Date:
2014_197_17_03_51

Observation Duration:
900 S

Integration time = 300 S



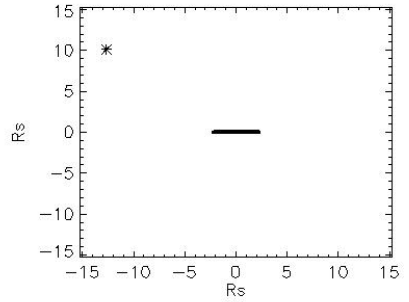
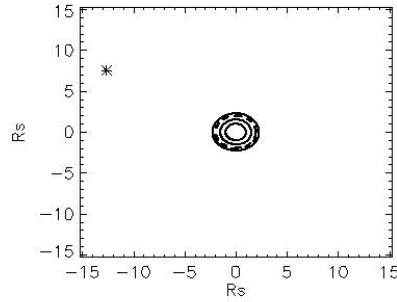
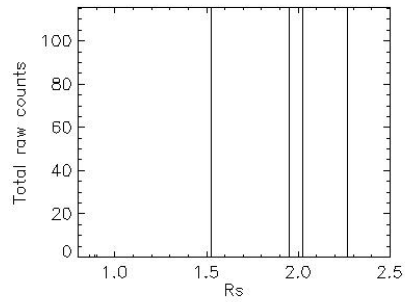
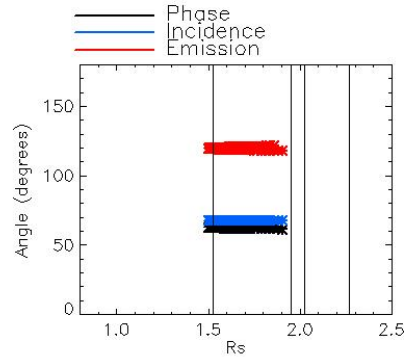
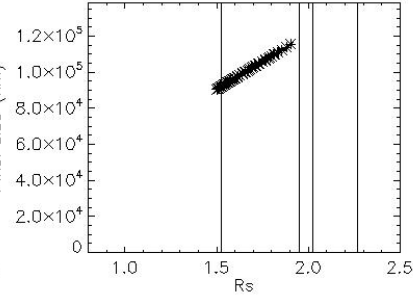
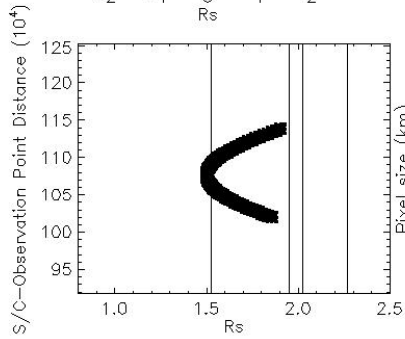


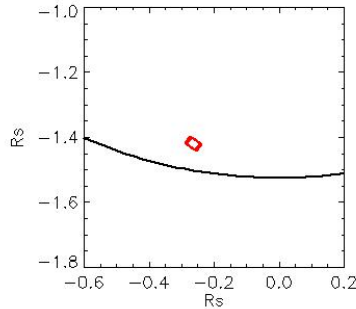
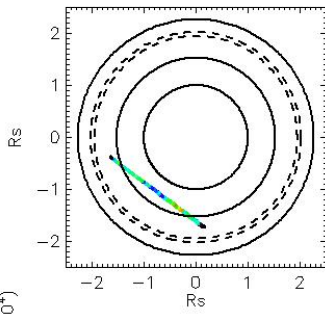
Observation Name:
UVS_206RLLATPHASE001_VIMS

Observation Date:
2014_197_17_18_51

Observation Duration:
300 S

Integration time = 300 S



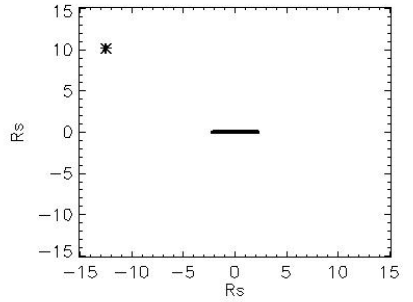
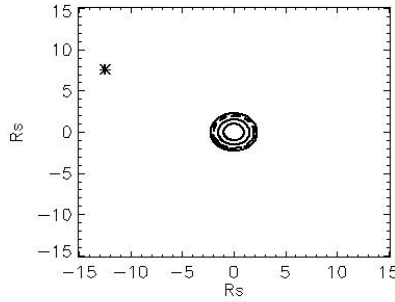
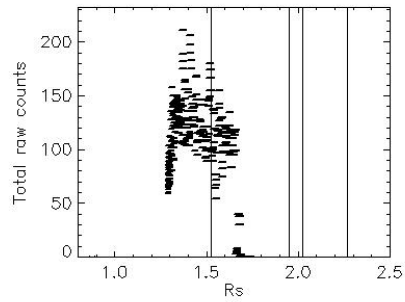
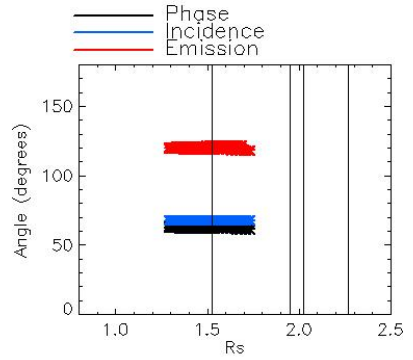
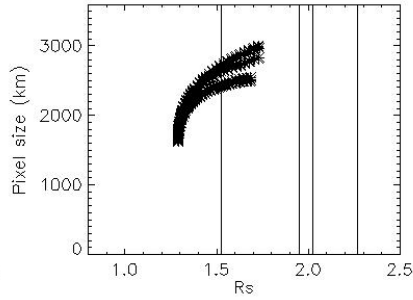
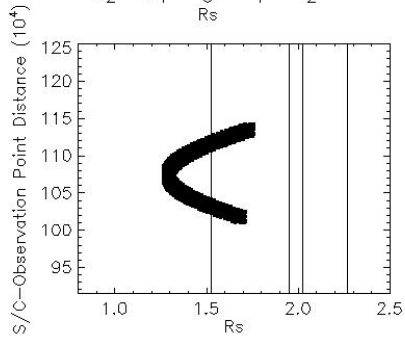


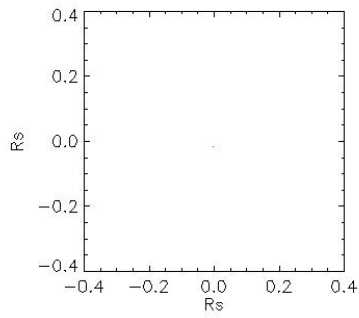
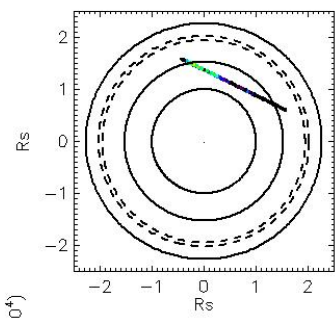
Observation Name:
UVS_206RLLATPHASE001_VIMS

Observation Date:
2014_197_17_32_18

Observation Duration:
1500 S

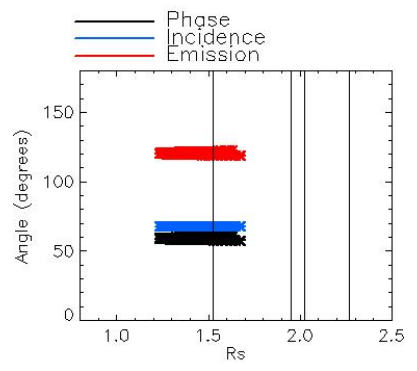
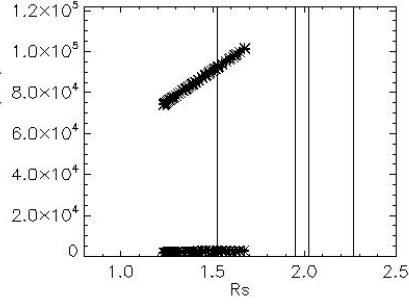
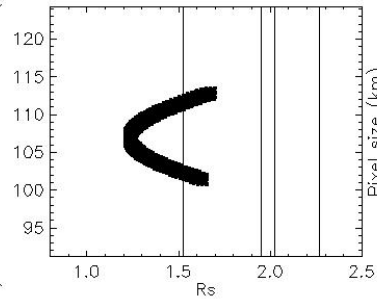
Integration time = 300 S



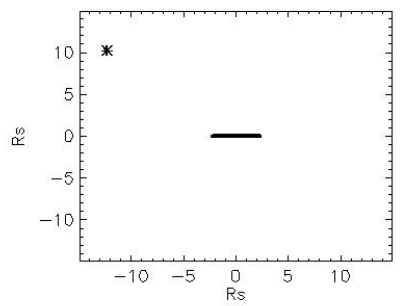
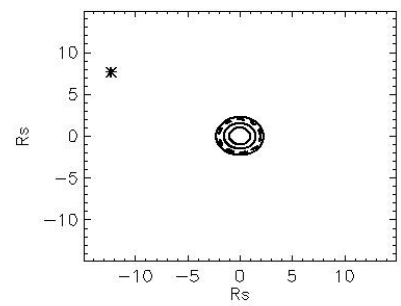
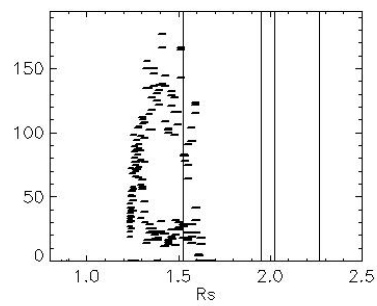


Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_18_04_03
 Observation Duration:
 1500 S
 Integration time = 300 S

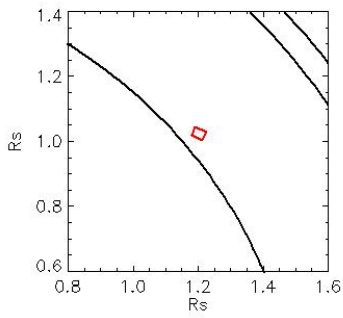
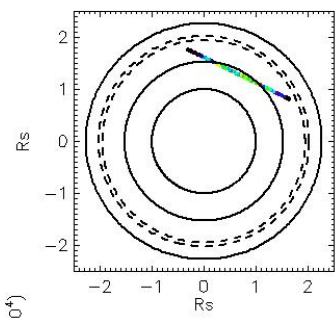
S/C—Observation Point Distance (10^4)



Total raw counts

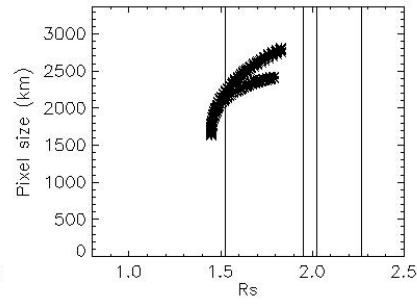
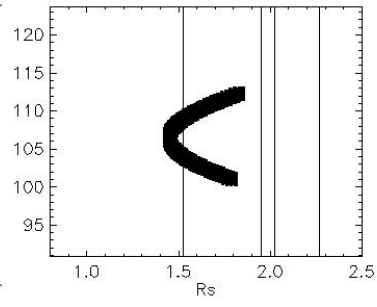


— Phase
 — Incidence
 — Emission

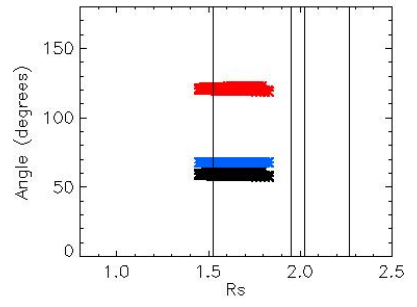


Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_18_33_05
 Observation Duration:
 1500 S
 Integration time = 300 S

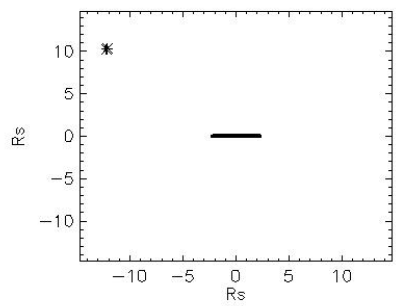
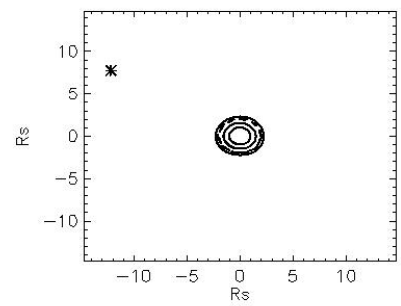
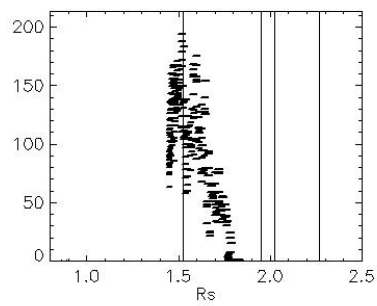
S/C—Observation Point Distance (10^4)

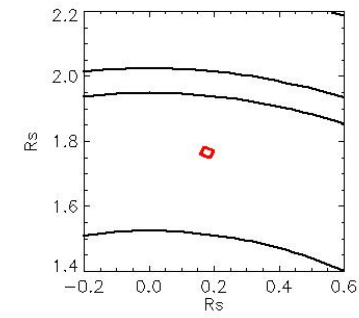
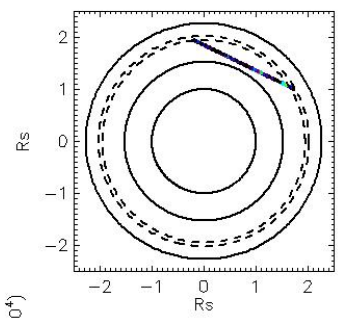


— Phase
 — Incidence
 — Emission

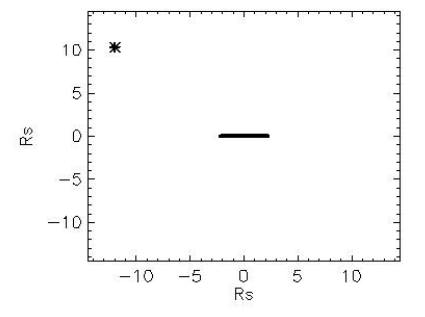
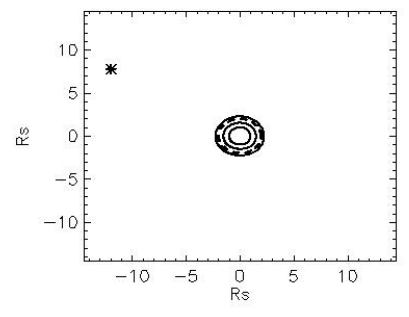
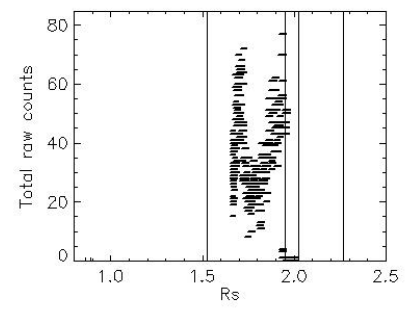
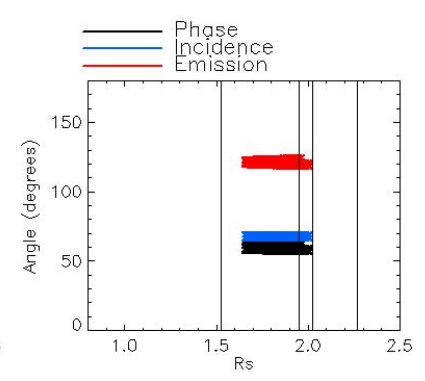
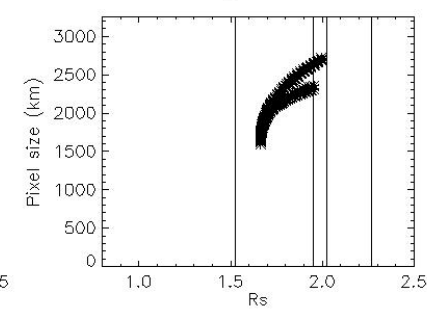
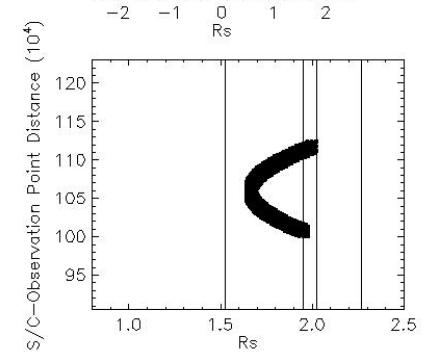


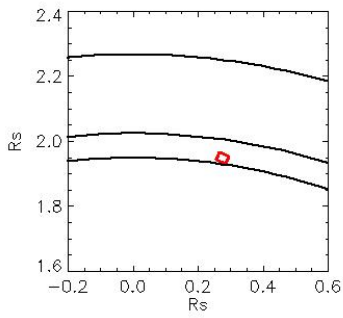
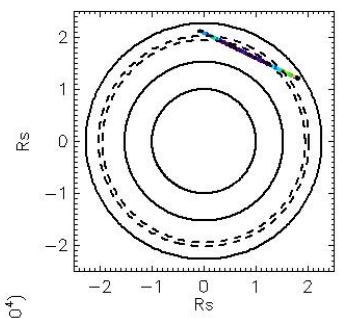
Total raw counts



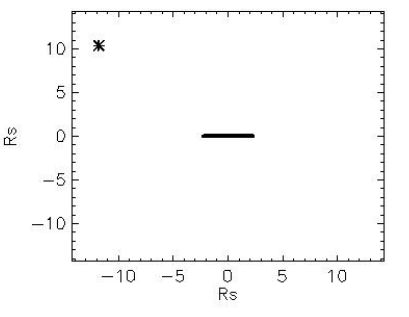
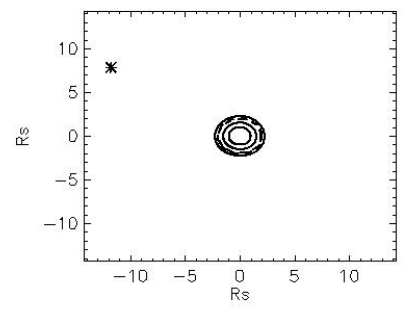
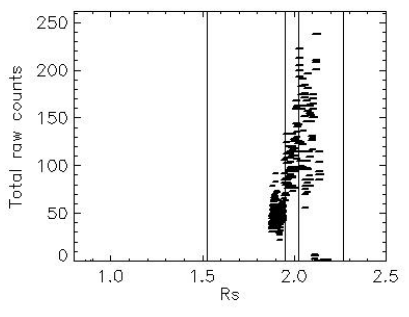
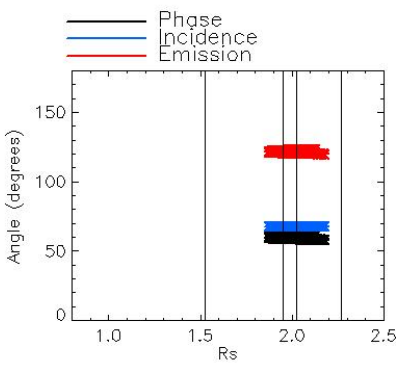
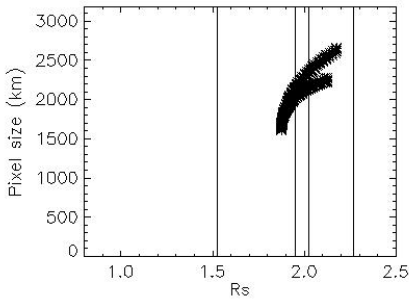
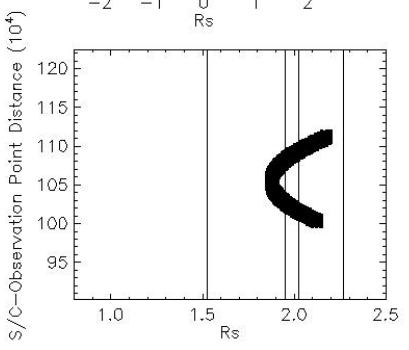


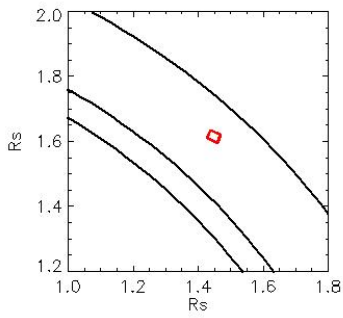
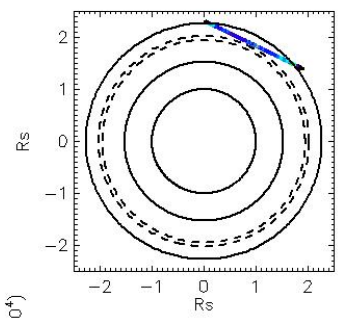
Observation Name:
 UVS_206RLLATPHASE01_VIMS
 Observation Date:
 2014_197_19_02_07
 Observation Duration:
 1500 S
 Integration time = 300 S



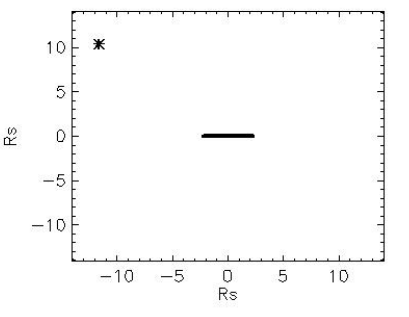
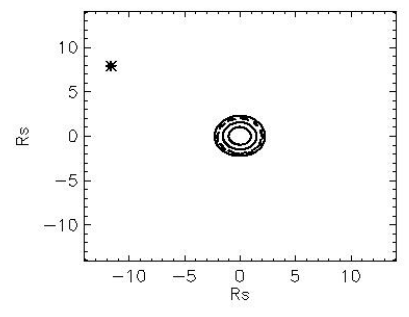
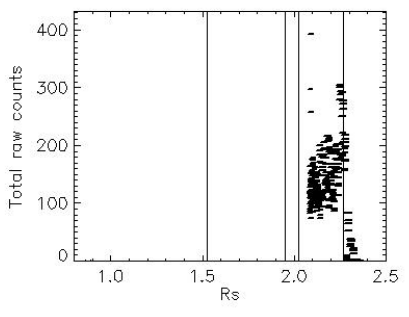
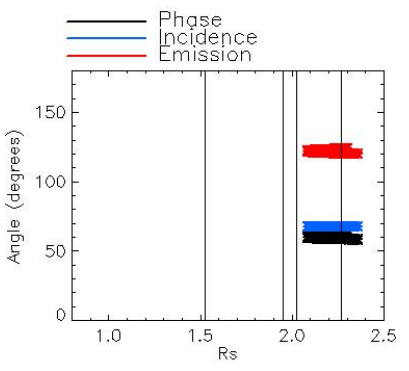
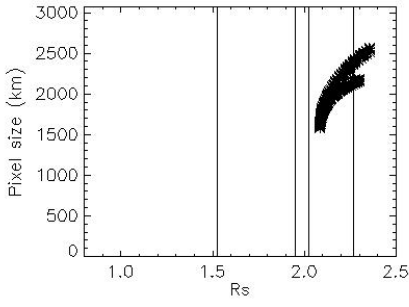
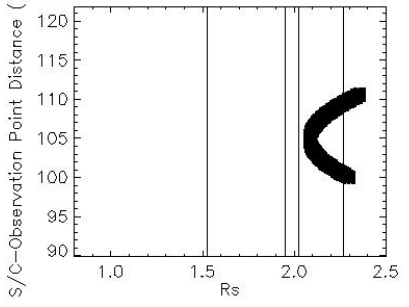


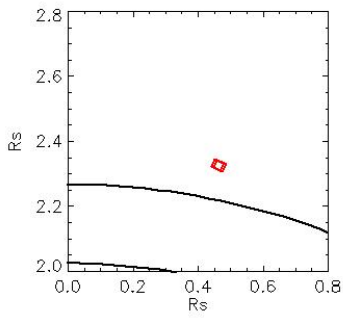
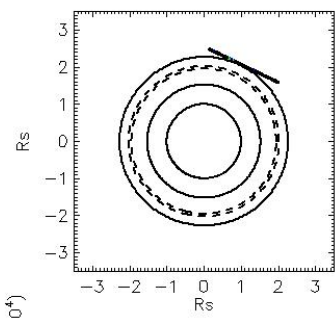
Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_19_31_09
 Observation Duration:
 1500 S
 Integration time = 300 S



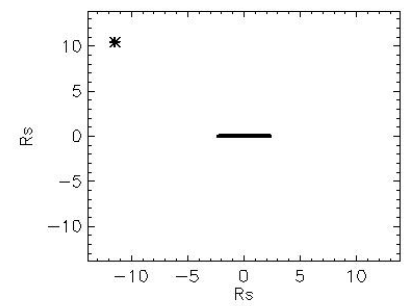
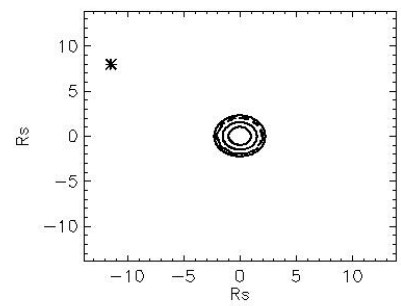
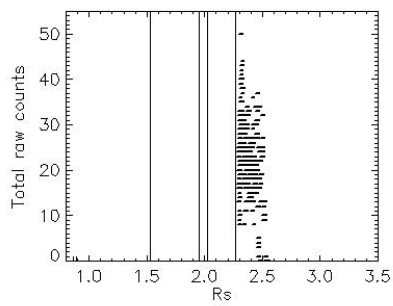
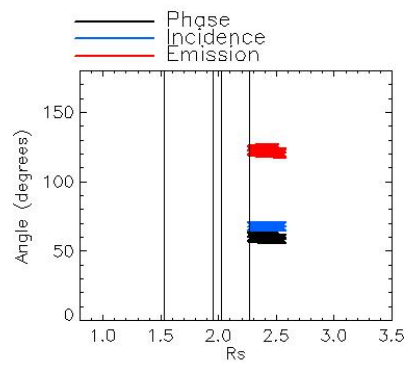
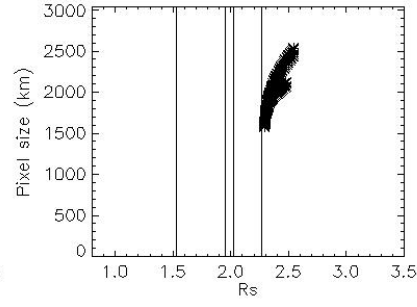
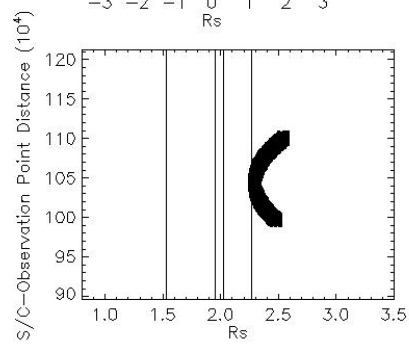


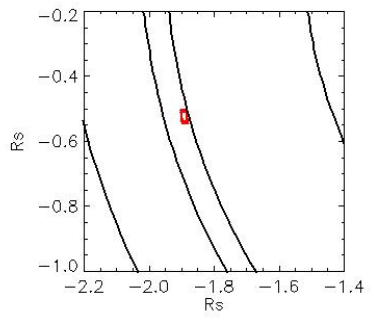
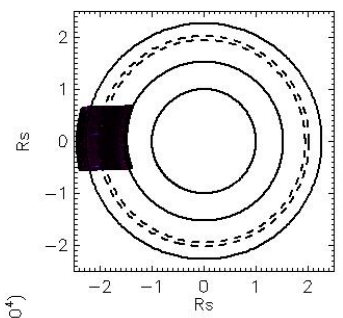
Observation Name:
 UVS_206RLLATPHASE001_VIMS
 Observation Date:
 2014_197_20_00_11
 Observation Duration:
 1500 S
 Integration time = 300 S





Observation Name:
 UVS_206RLLATPHASE01_VIMS
 Observation Date:
 2014_197_20_29_13
 Observation Duration:
 1500 S
 Integration time = 300 S



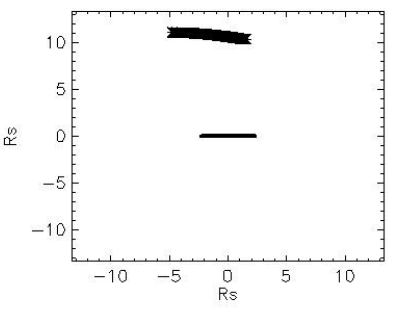
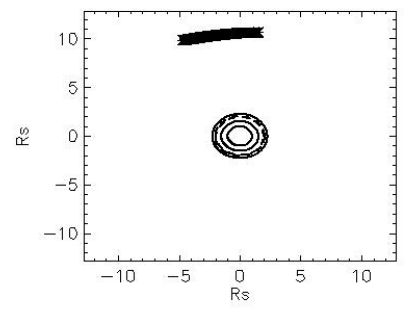
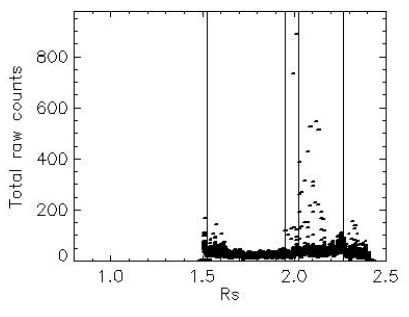
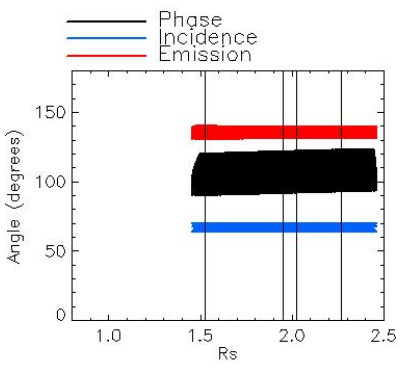
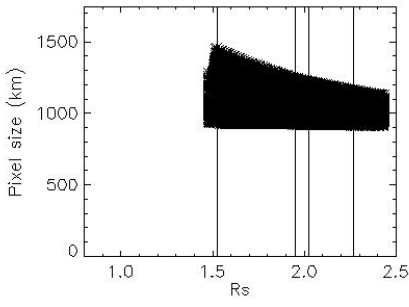
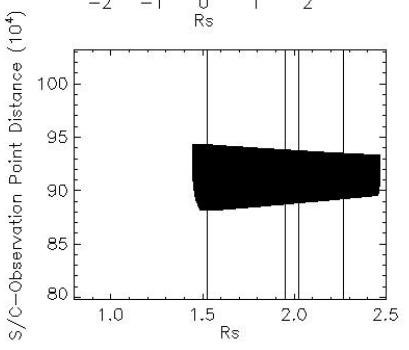


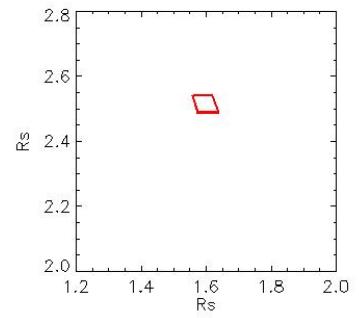
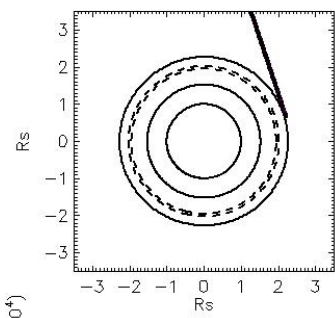
Observation Name:
UVS_206RLBMOVIE001_JSS

Observation Date:
2014_198_13_31_00

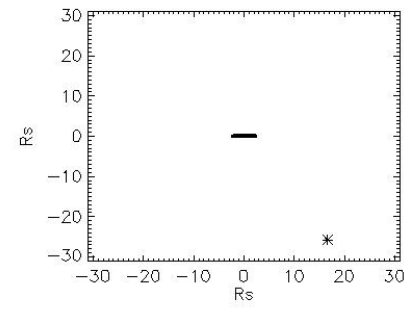
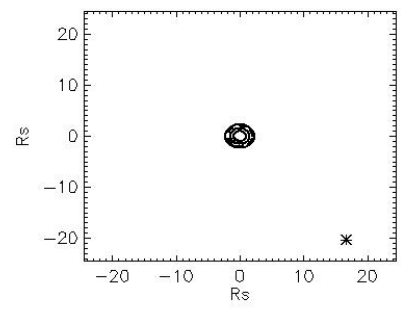
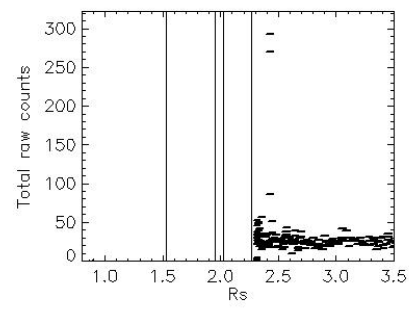
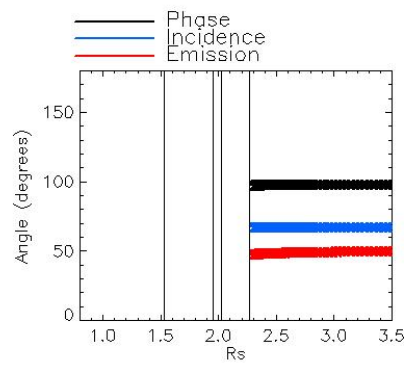
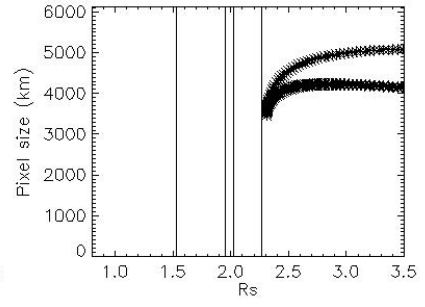
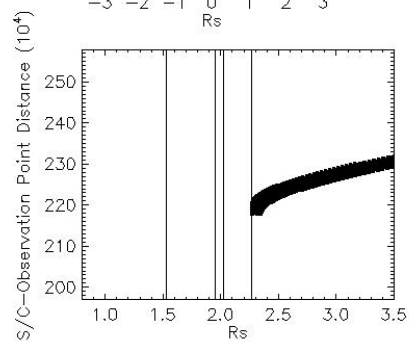
Observation Duration:
48600 S

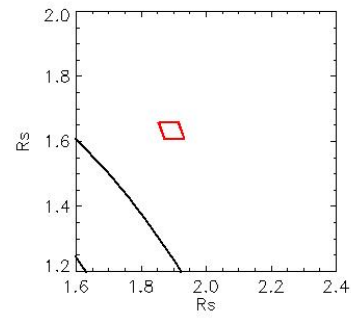
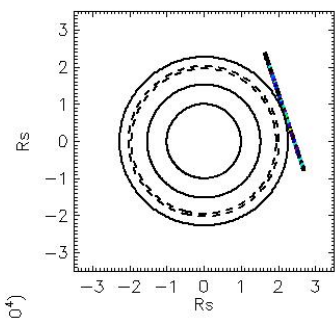
Integration time = 300 S





Observation Name:
UVS_206RLAPOMOSAIC002_VIMS
Observation Date:
2014_206_08_48_33
Observation Duration:
1200 S
Integration time = 300 S



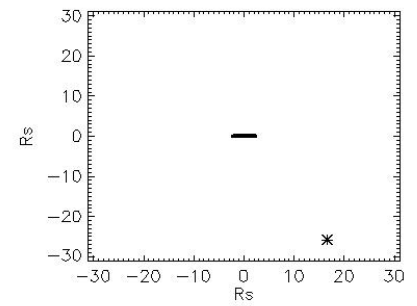
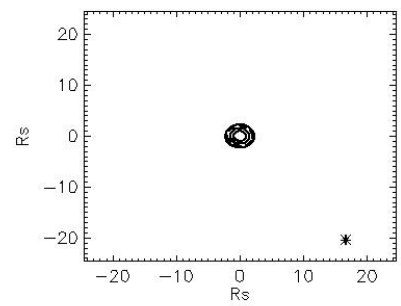
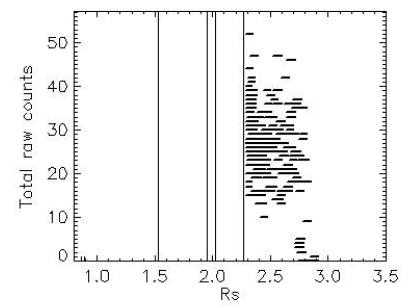
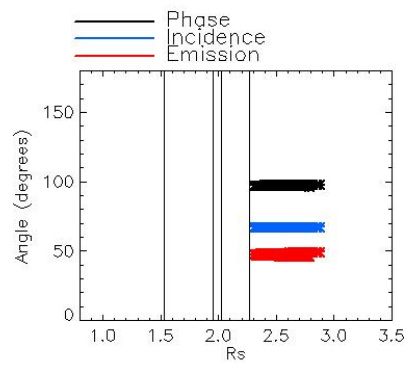
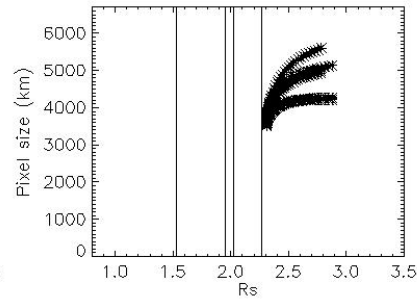
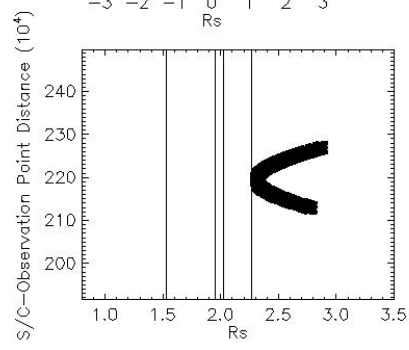


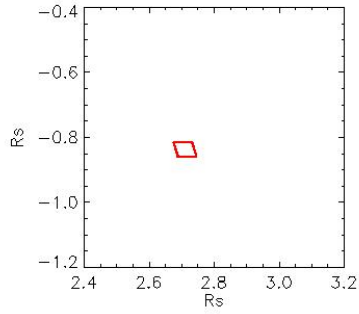
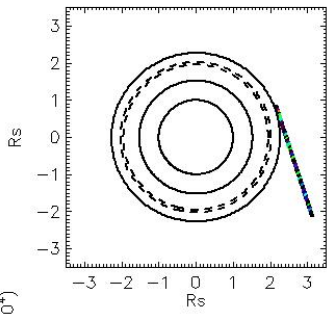
Observation Name:
UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_09_12_20

Observation Duration:
1200 S

Integration time = 300 S



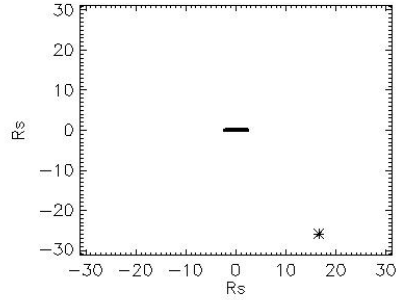
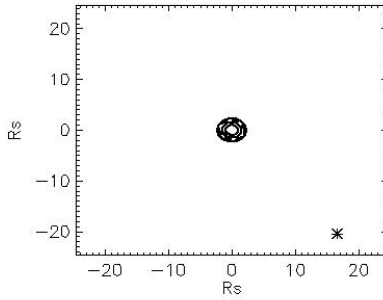
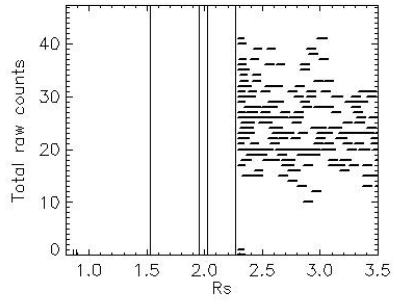
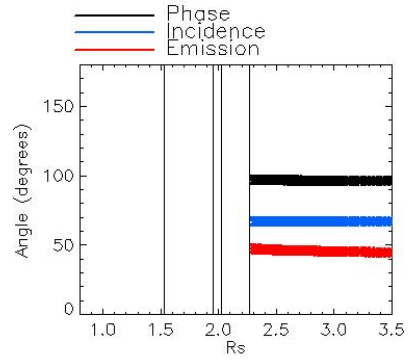
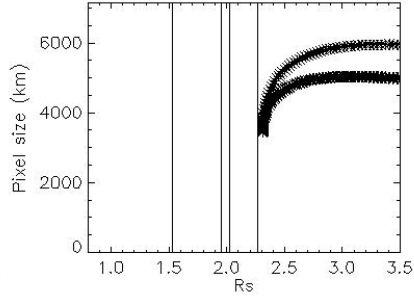
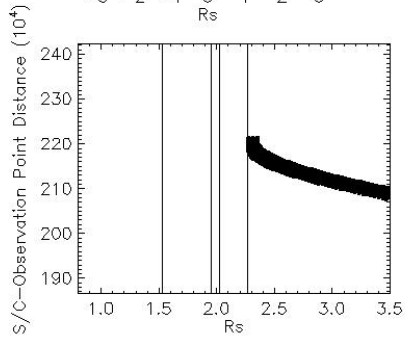


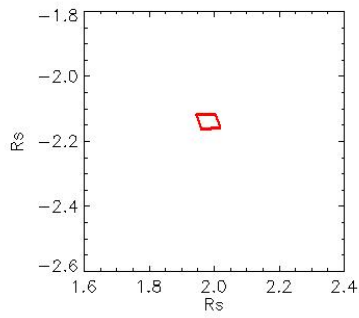
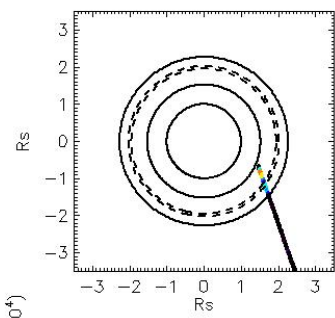
Observation Name:
UVIS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_09_36_07

Observation Duration:
1200 S

Integration time = 300 S



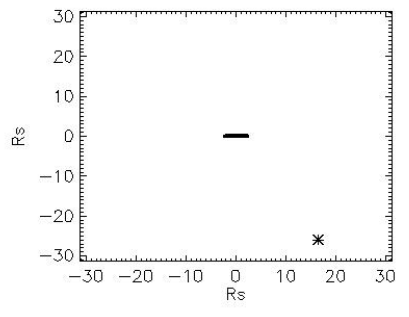
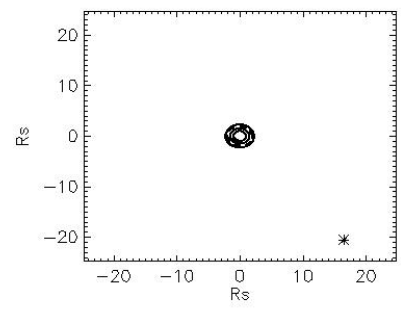
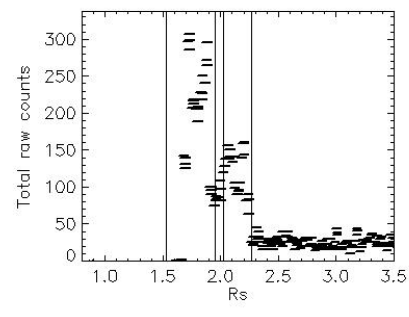
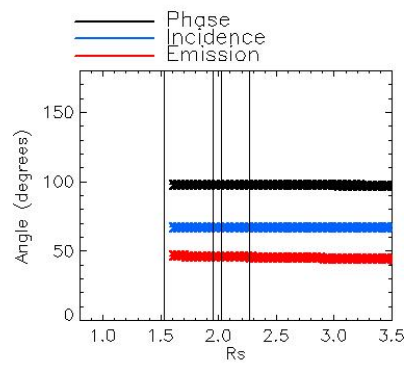
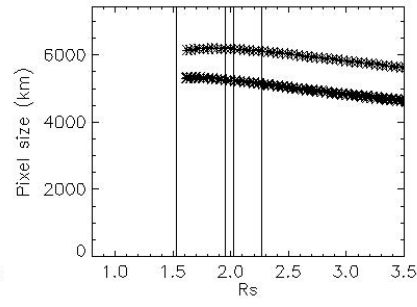
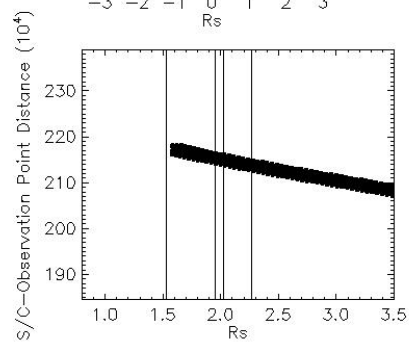


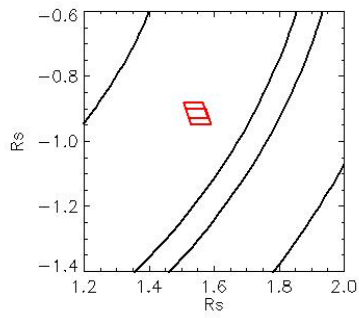
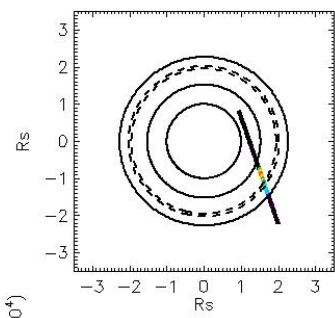
Observation Name:
 UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
 2014_206_10_23_28

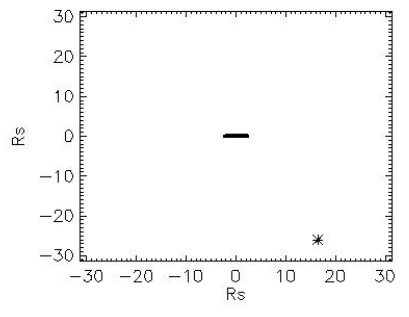
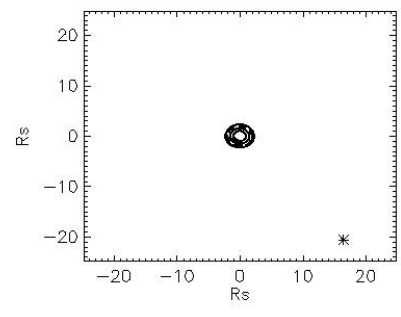
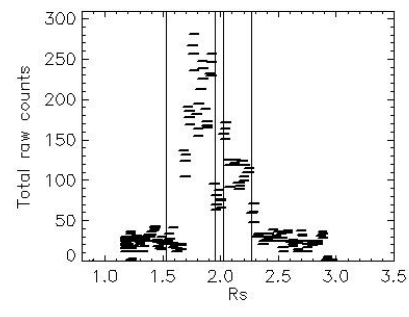
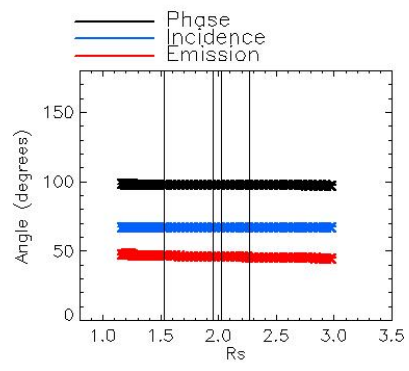
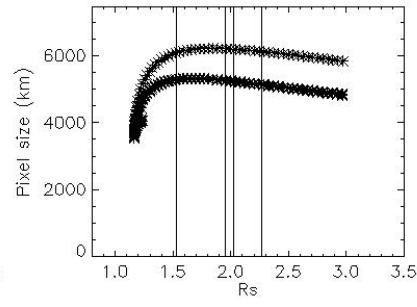
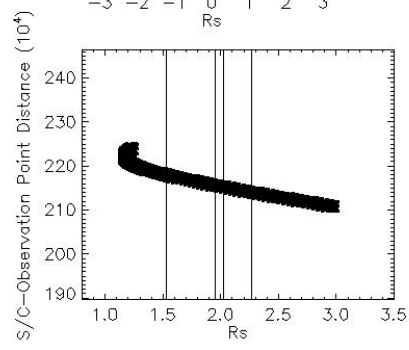
Observation Duration:
 1200 S

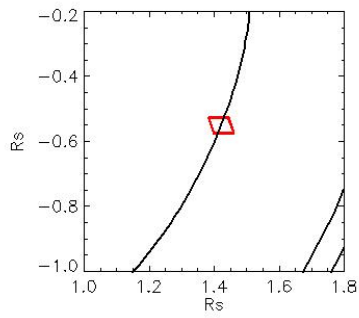
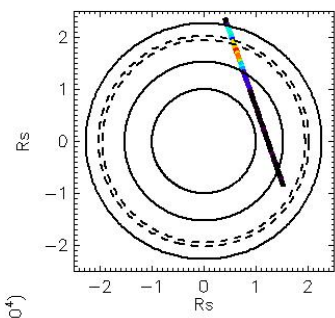
Integration time = 300 S





Observation Name:
 UVS_206RLAPOMOSAIC002_VIMS
 Observation Date:
 2014_206_10_47_15
 Observation Duration:
 1200 S
 Integration time = 300 S



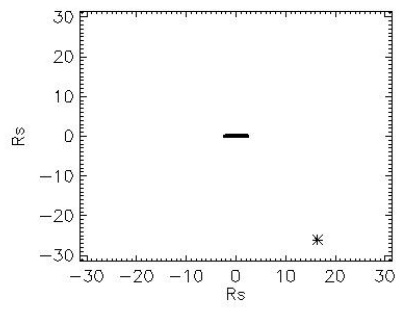
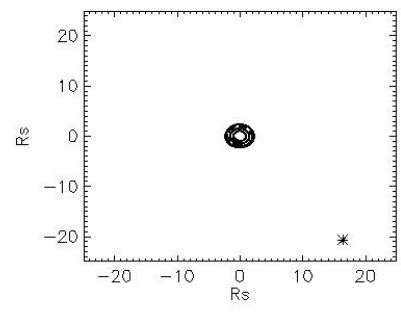
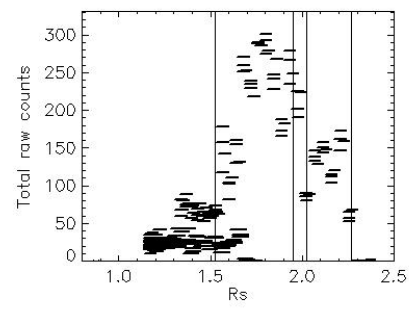
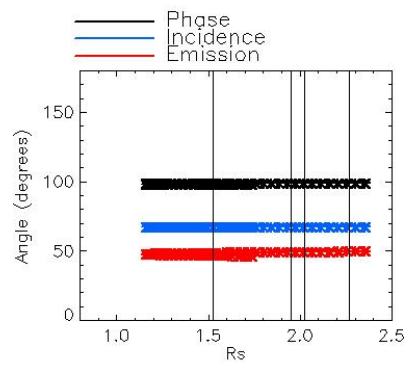
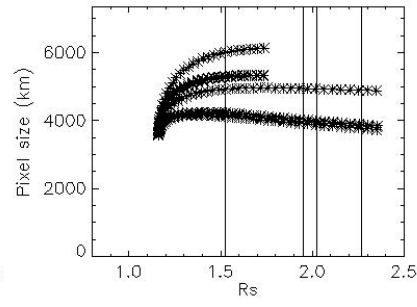
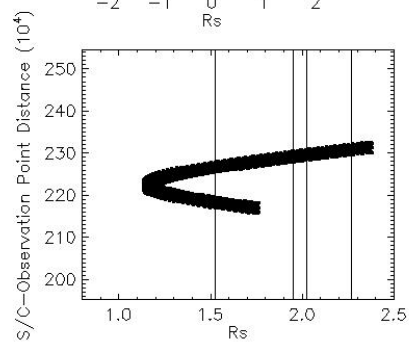


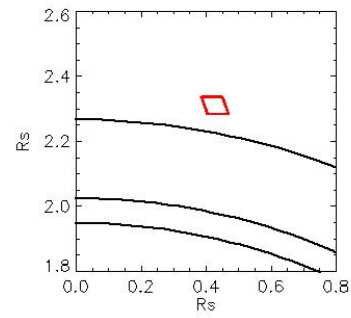
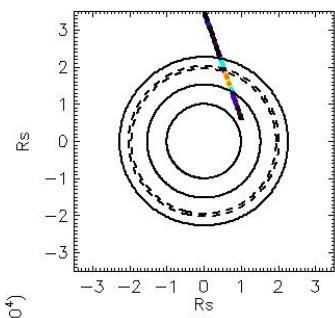
Observation Name:
UMS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_11_11_02

Observation Duration:
1200 S

Integration time = 300 S



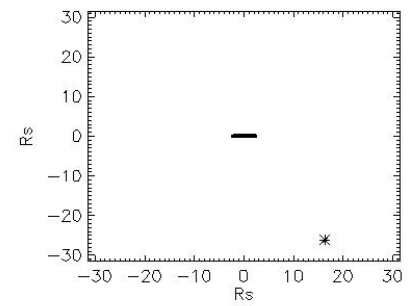
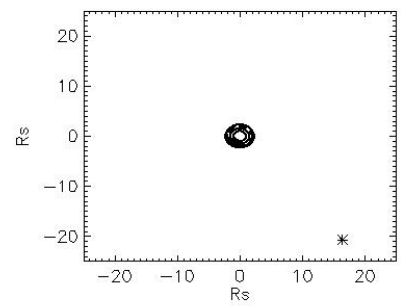
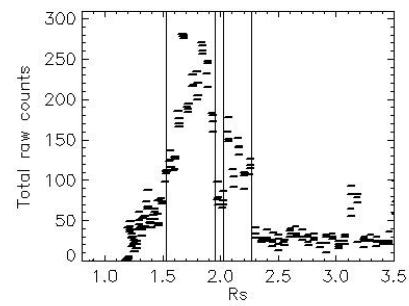
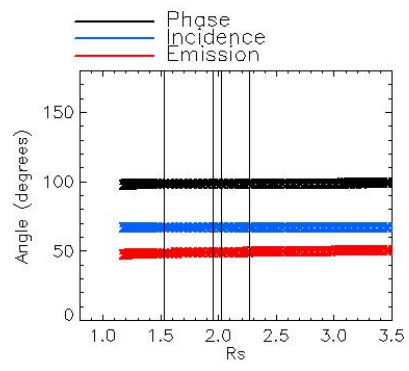
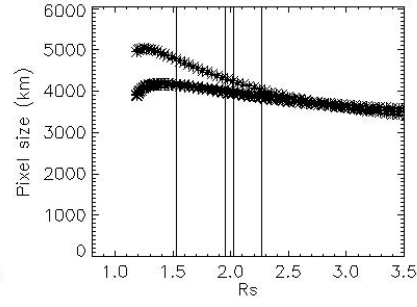
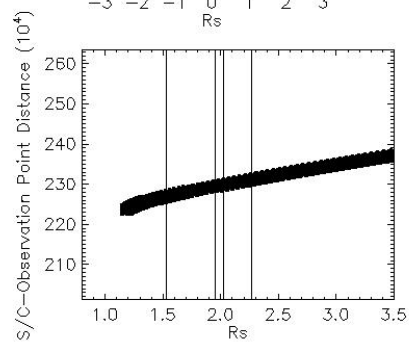


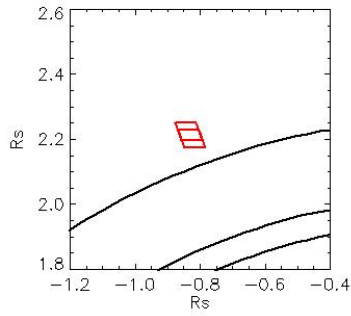
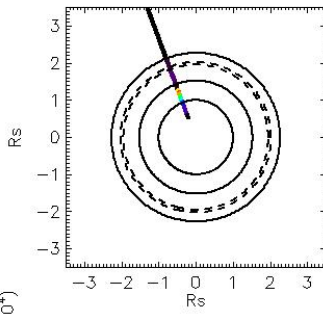
Observation Name:
UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_11_34_49

Observation Duration:
1200 S

Integration time = 300 S



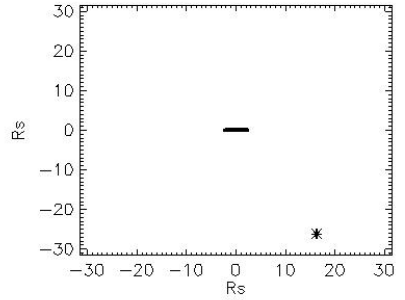
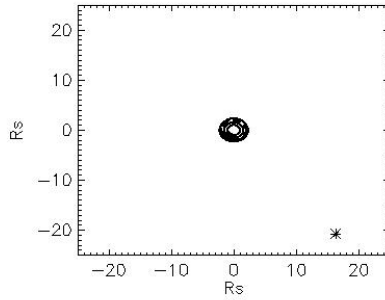
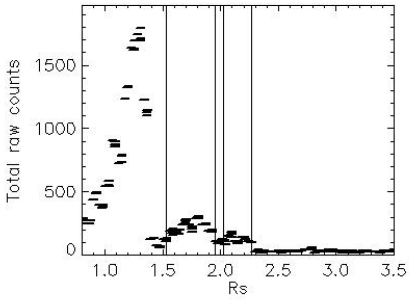
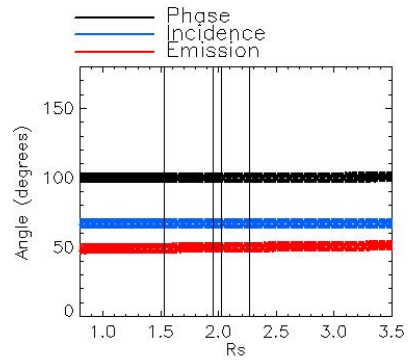
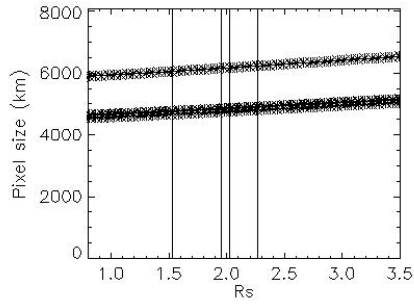
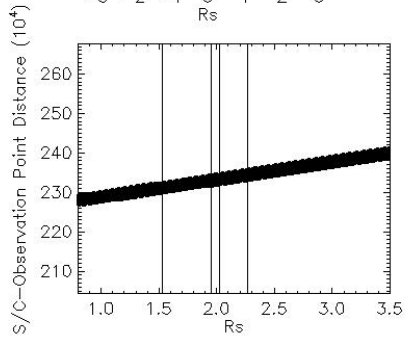


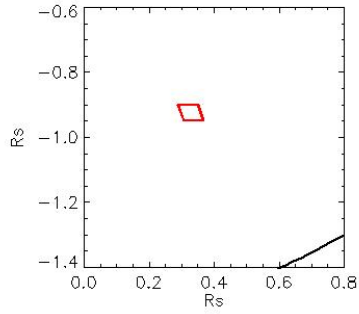
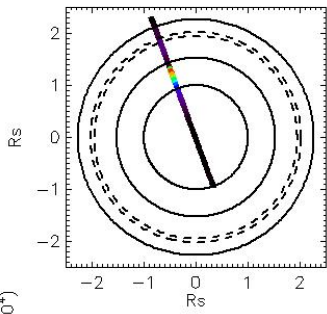
Observation Name:
UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_11_58_23

Observation Duration:
1200 S

Integration time = 300 S



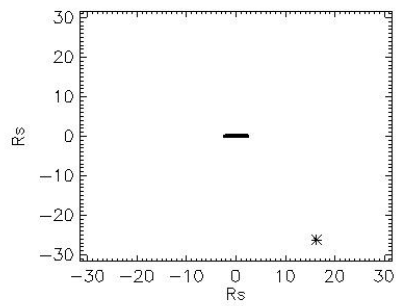
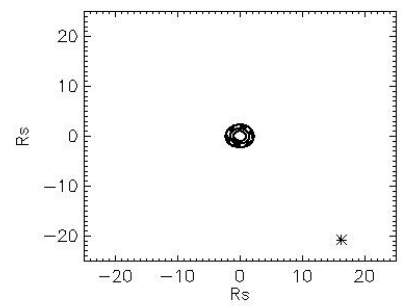
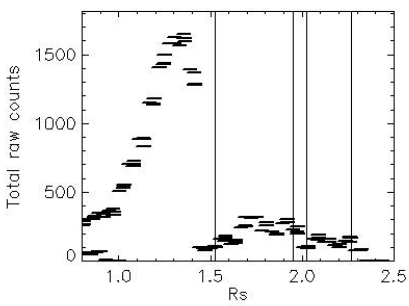
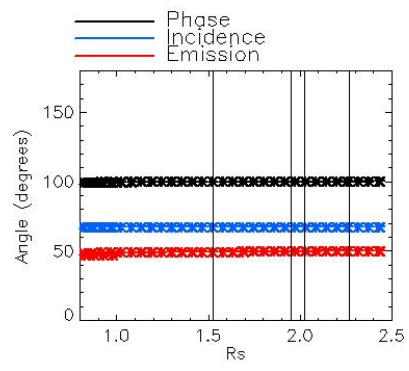
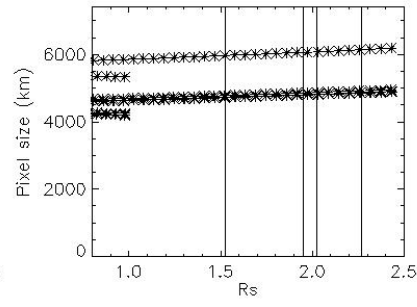
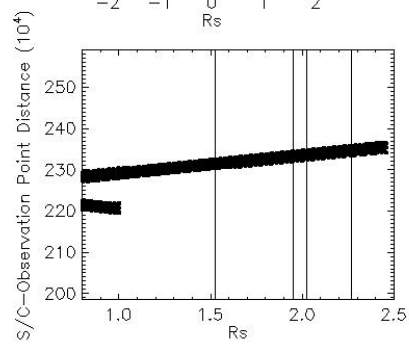


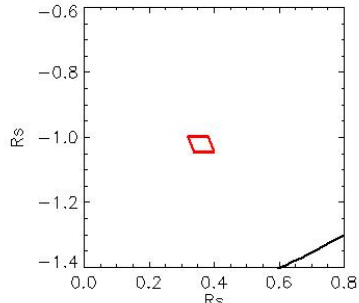
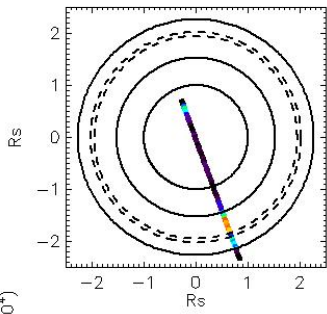
Observation Name:
UVIS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_12_22_10

Observation Duration:
1200 S

Integration time = 300 S



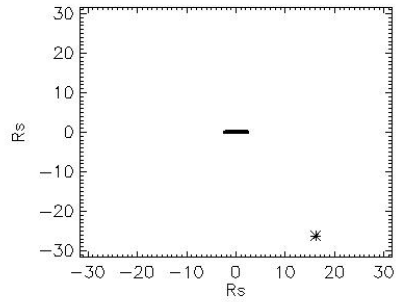
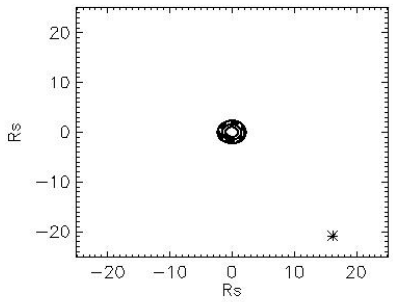
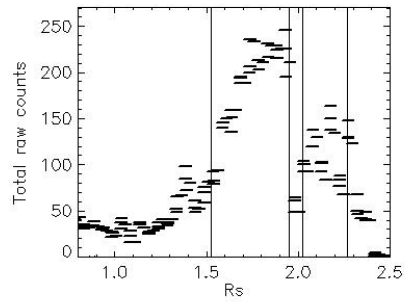
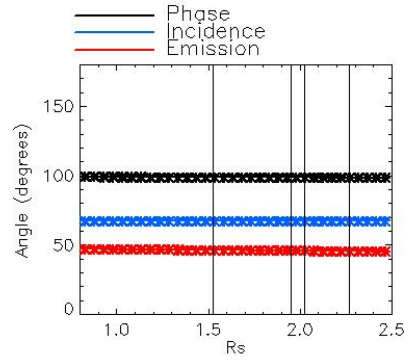
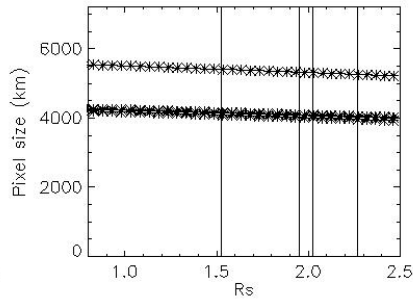
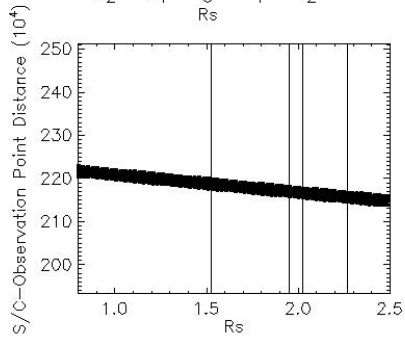


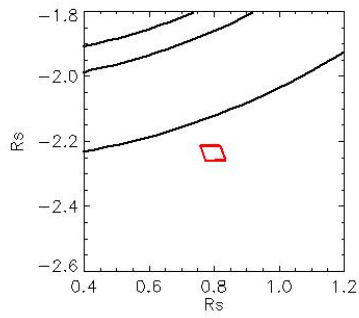
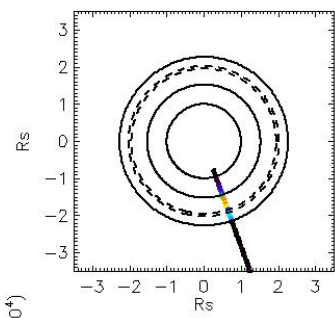
Observation Name:
UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_12_45_57

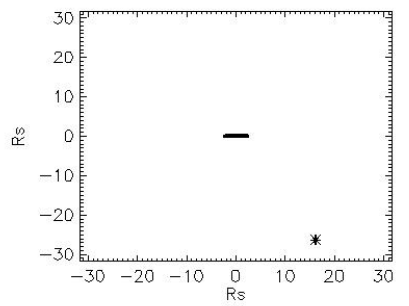
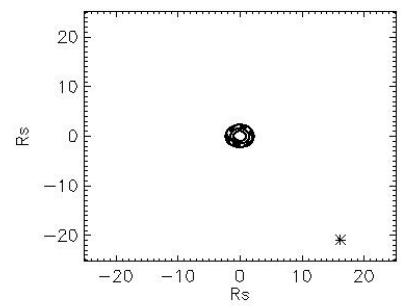
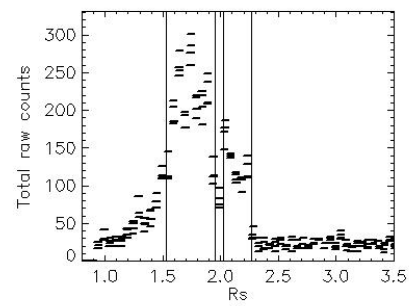
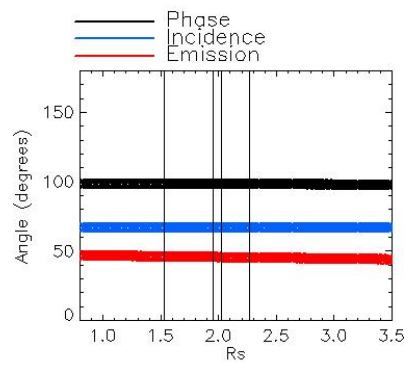
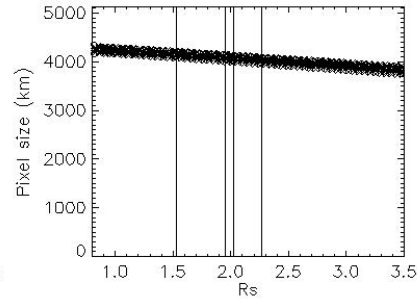
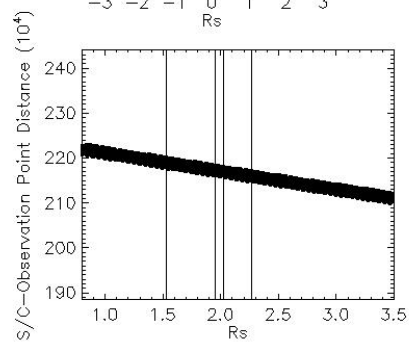
Observation Duration:
1200 S

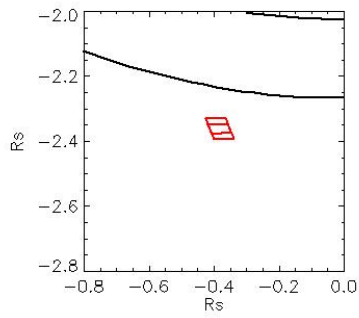
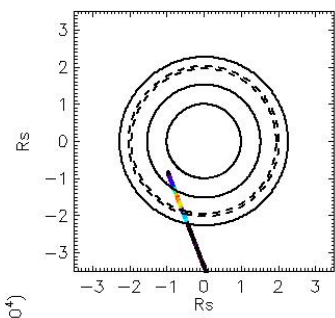
Integration time = 300 S





Observation Name:
 UVS_206RLAPOMOSAIC002_VIMS
 Observation Date:
 2014_206_13_09_44
 Observation Duration:
 1200 S
 Integration time = 300 S



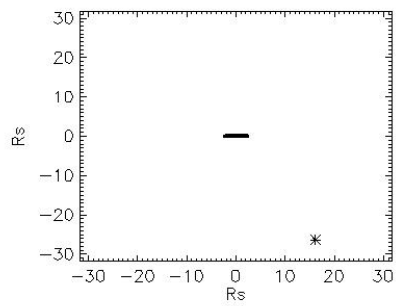
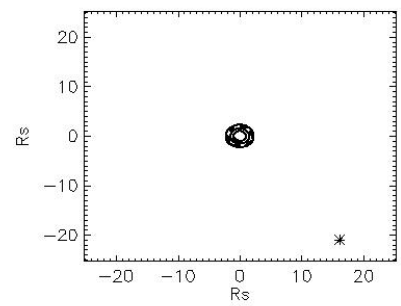
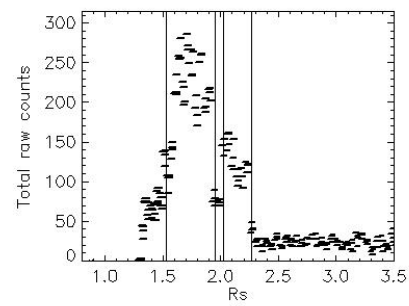
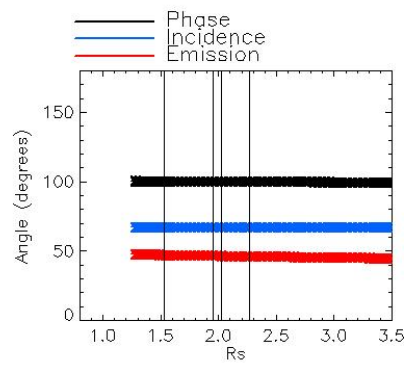
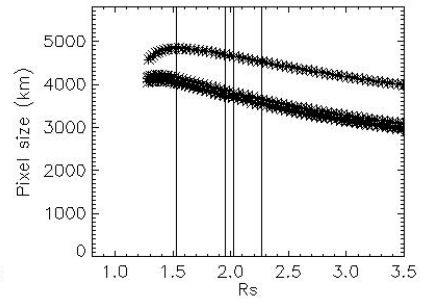
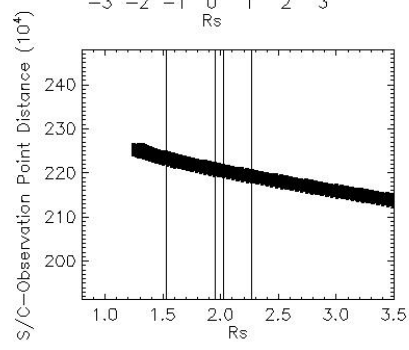


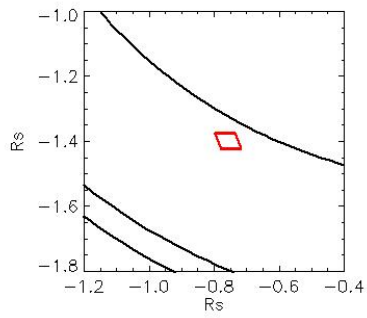
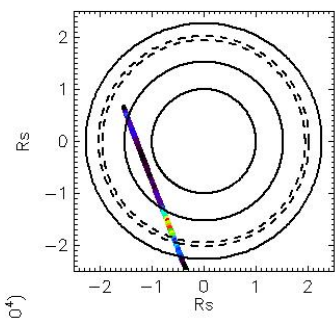
Observation Name:
UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_13_33_18

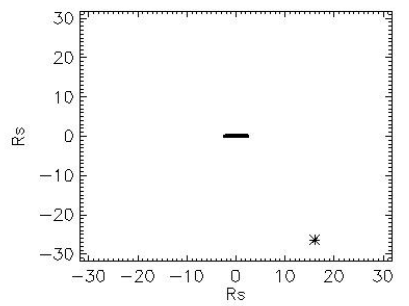
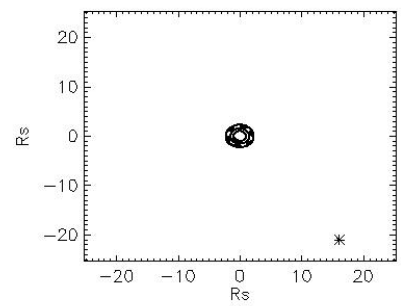
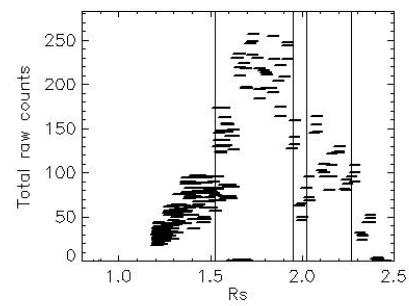
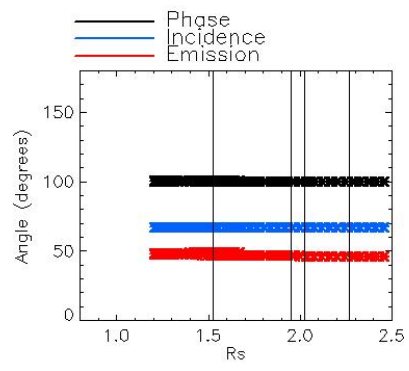
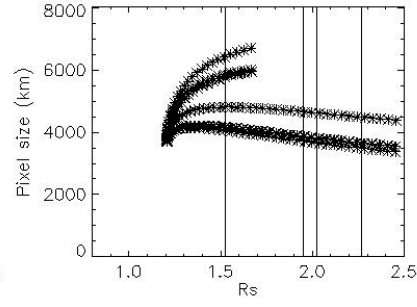
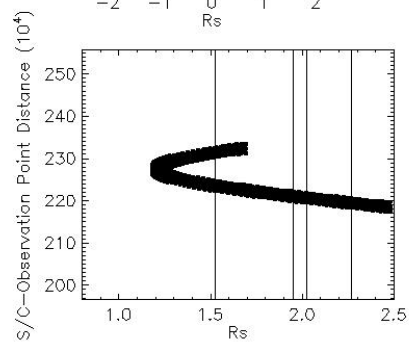
Observation Duration:
1200 S

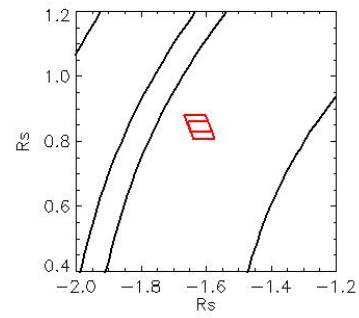
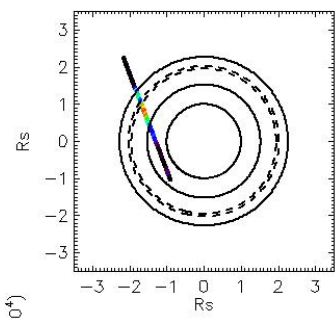
Integration time = 300 S





Observation Name:
 UVS_206RLAPOMOSAIC002_VIMS
 Observation Date:
 2014_206_13_57_05
 Observation Duration:
 1200 S
 Integration time = 300 S



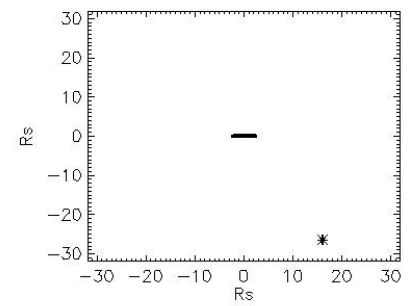
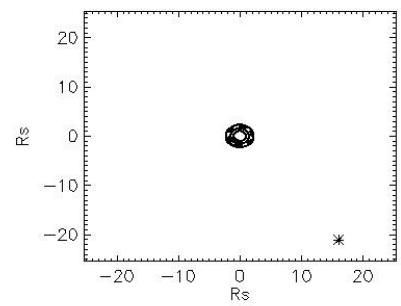
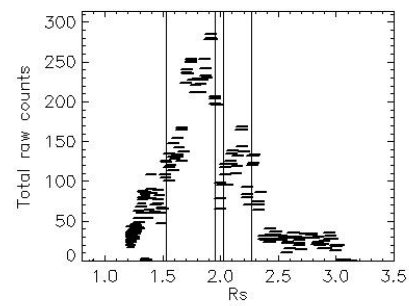
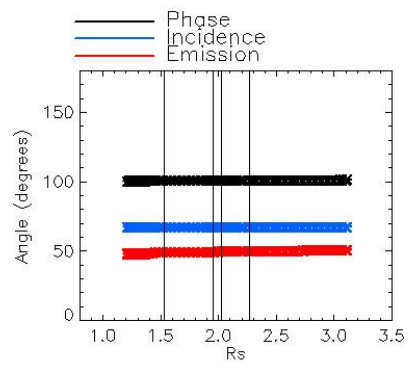
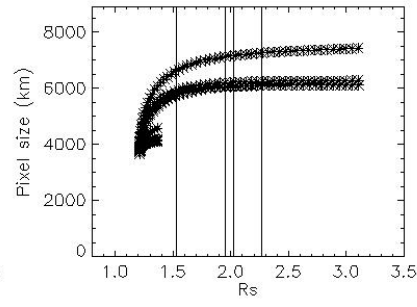
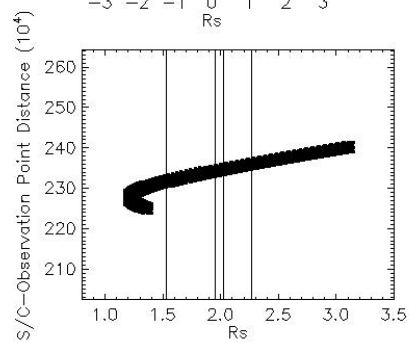


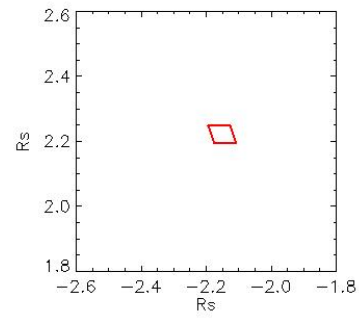
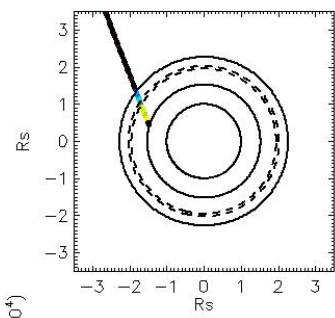
Observation Name:
UVS_206RLAPOMOSAIC002_VIMS

Observation Date:
2014_206_14_20_52

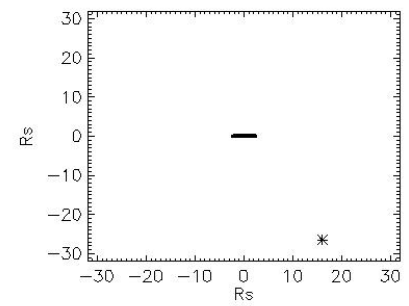
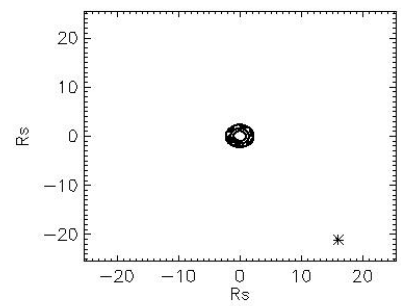
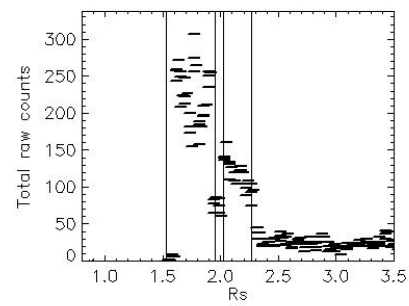
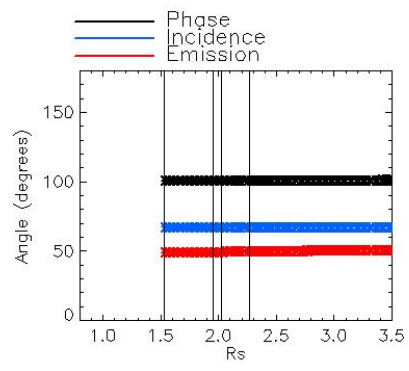
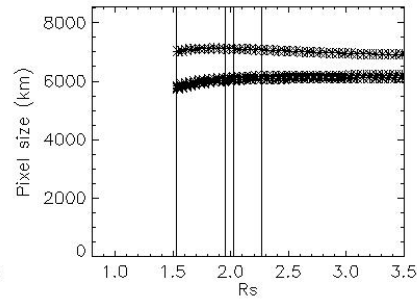
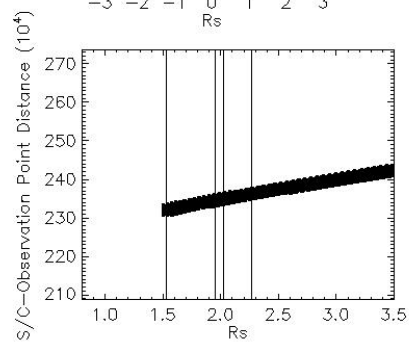
Observation Duration:
1200 S

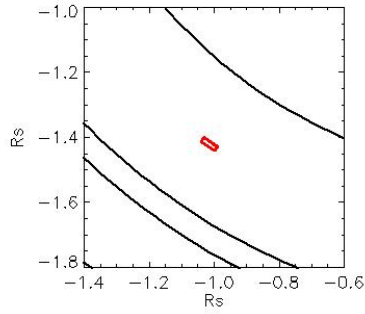
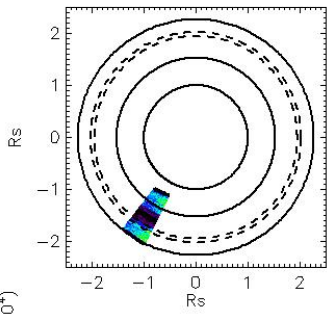
Integration time = 300 S





Observation Name:
UVS_206RLAPOMOSAIC002_VIMS
Observation Date:
2014_206_14_44_39
Observation Duration:
1200 S
Integration time = 300 S





Observation Name:
UVS_208RLRINGMAP002_PRIME

Observation Date:
2014_261_15_14_33

Observation Duration:
27000 S

Integration time = 300 S

