

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.

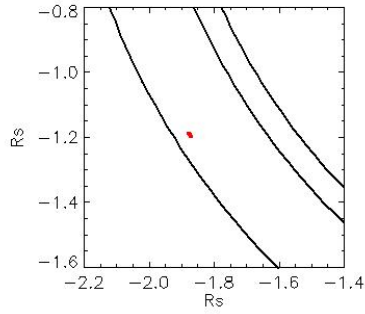
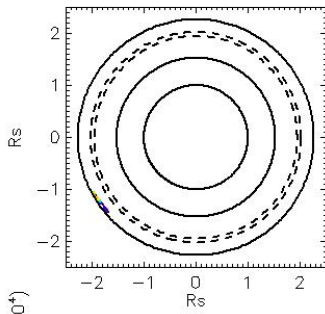
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.

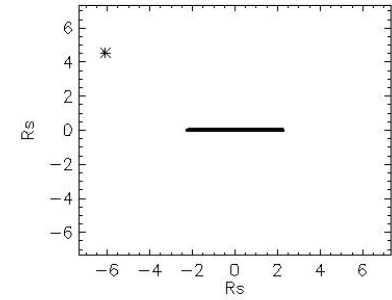
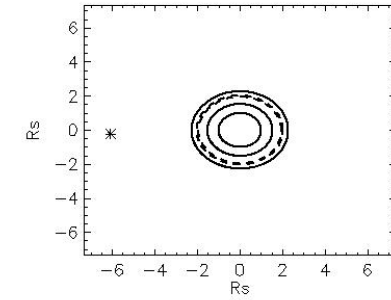
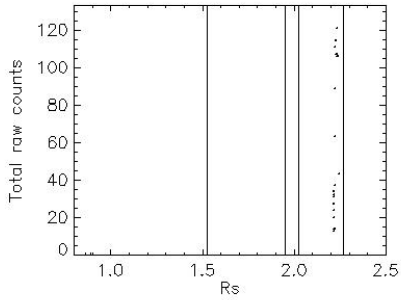
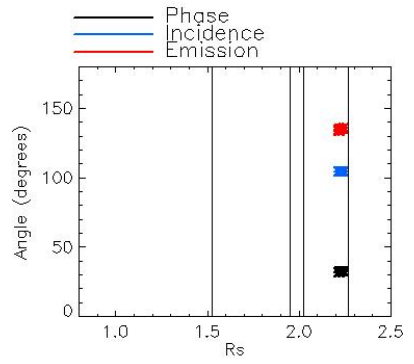
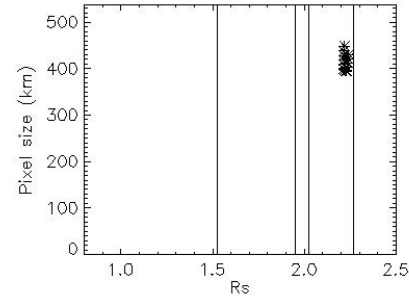
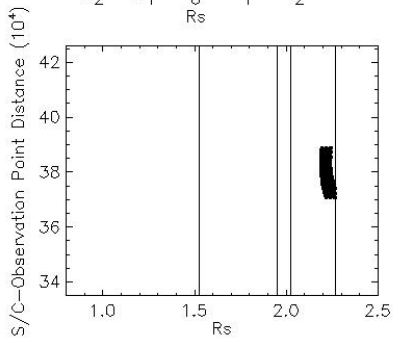


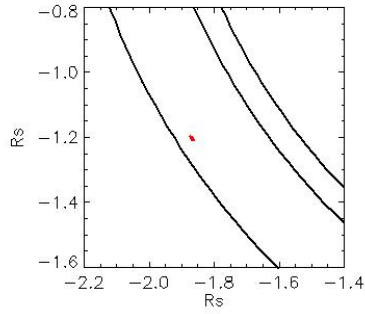
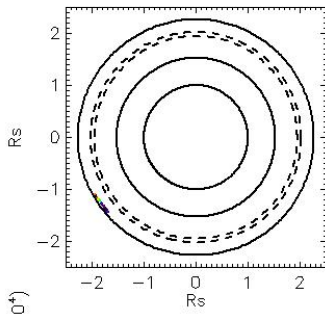
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_00_33_43

Observation Duration:
32 S

Integration time = 32 S



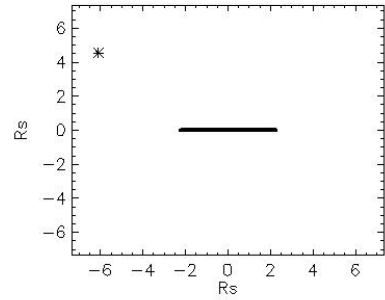
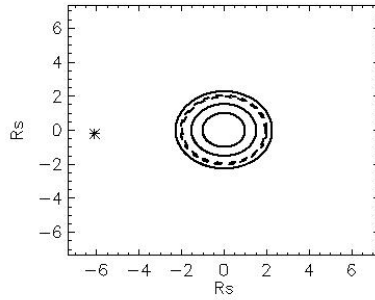
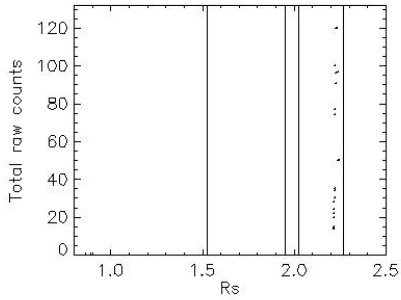
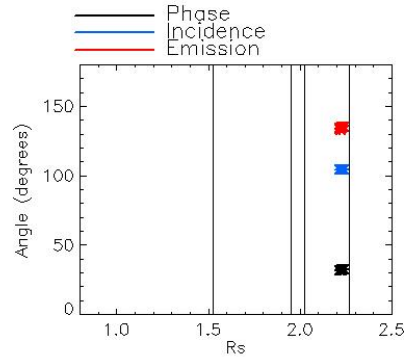
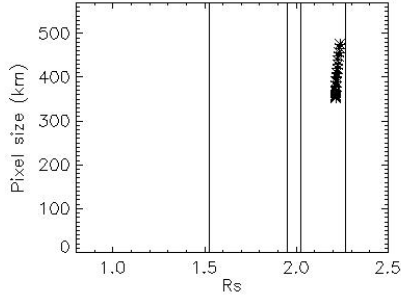
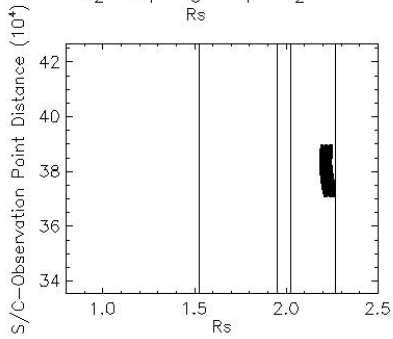


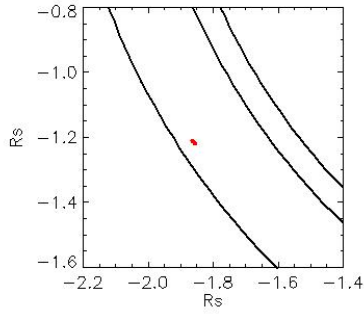
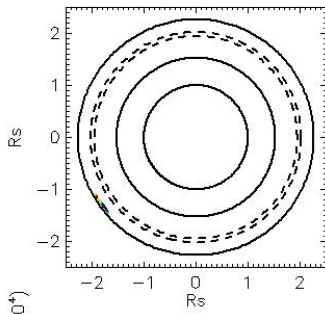
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_35_20

Observation Duration:
32 S

Integration time = 32 S



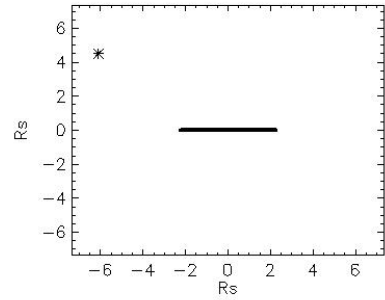
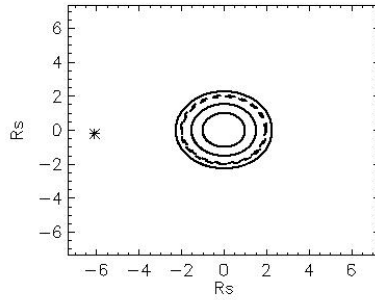
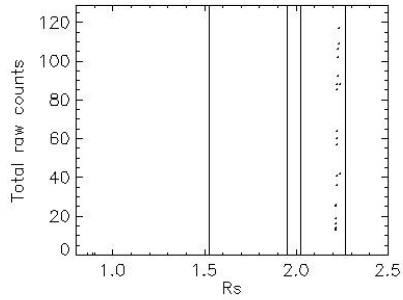
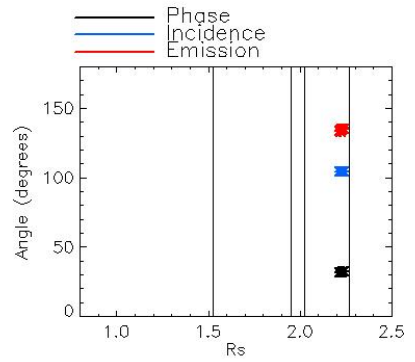
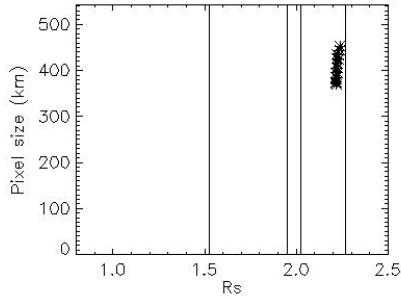
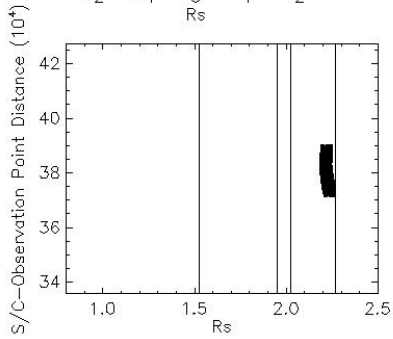


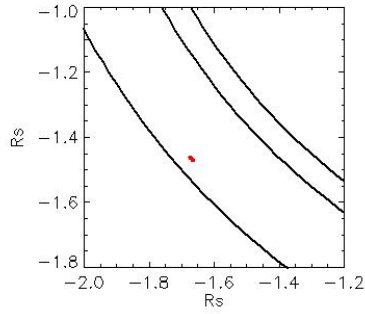
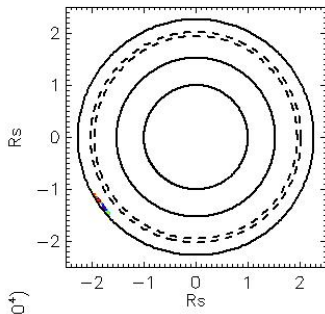
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_36_57

Observation Duration:
32 S

Integration time = 32 S



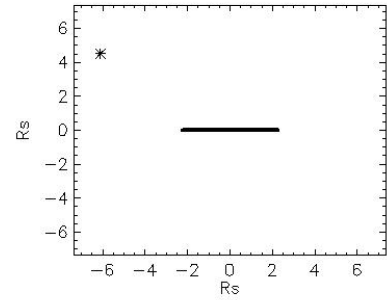
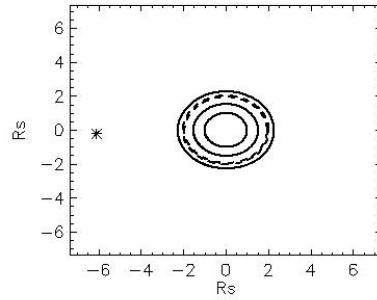
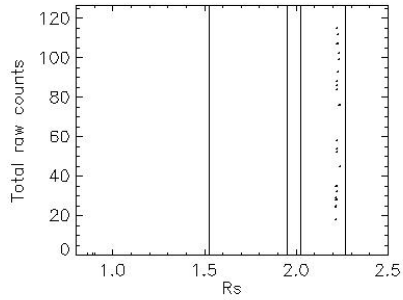
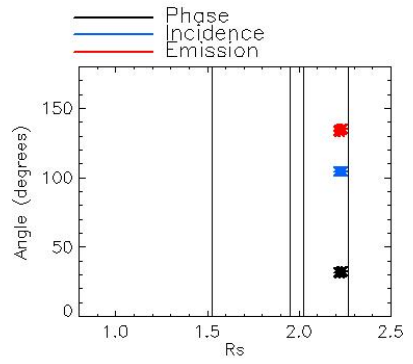
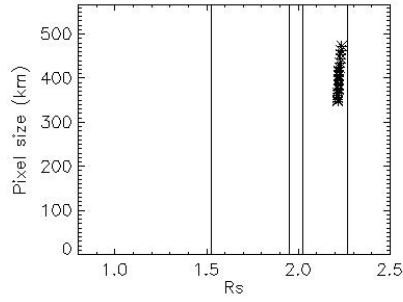
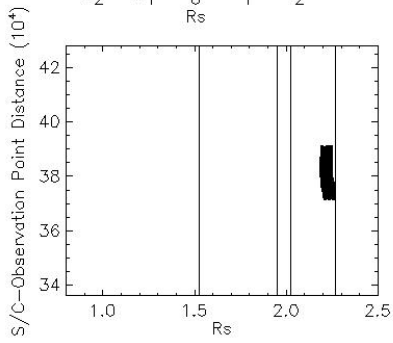


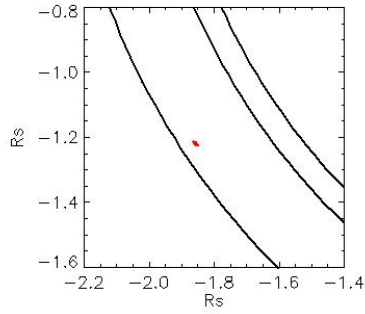
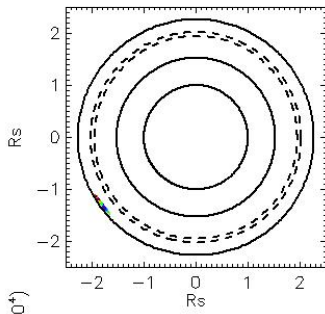
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_38_34

Observation Duration:
32 S

Integration time = 32 S



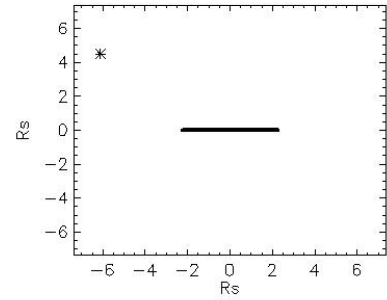
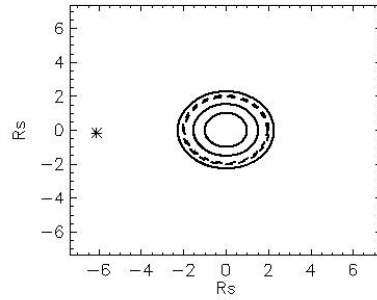
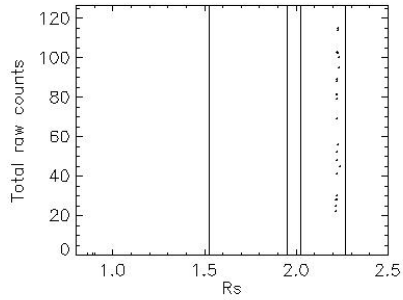
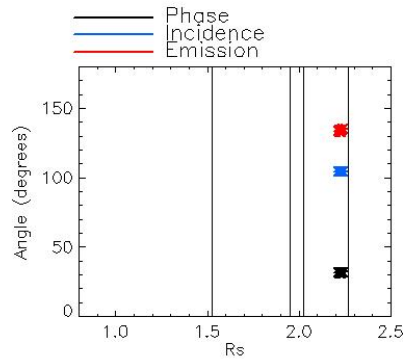
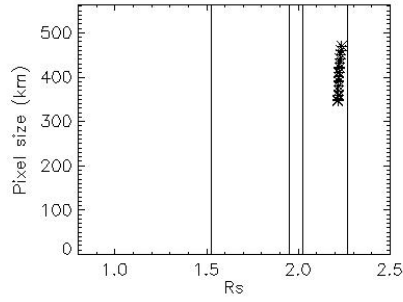
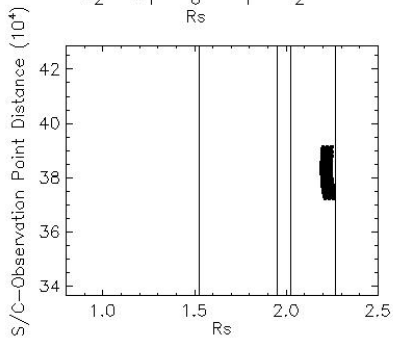


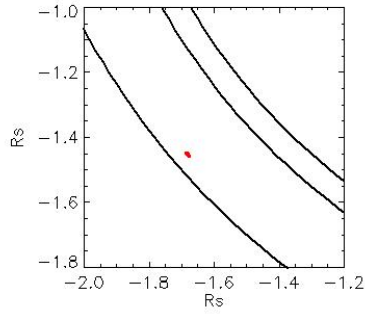
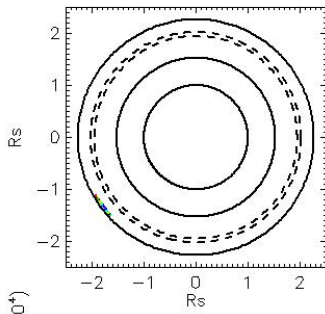
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_40_11

Observation Duration:
32 S

Integration time = 32 S



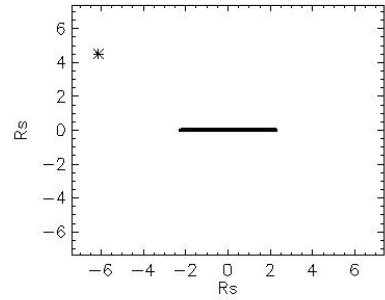
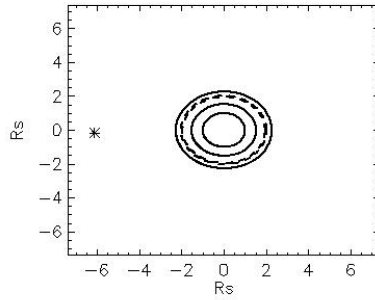
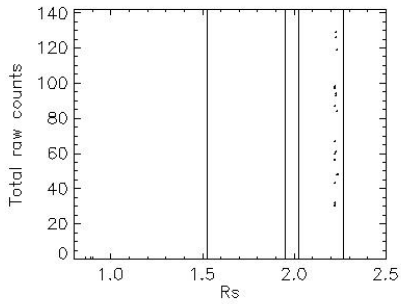
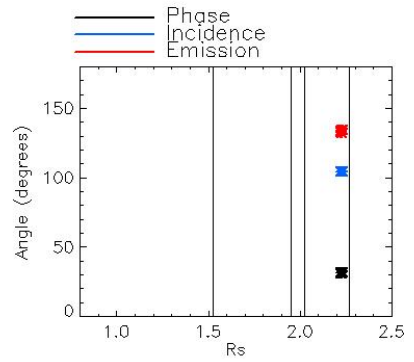
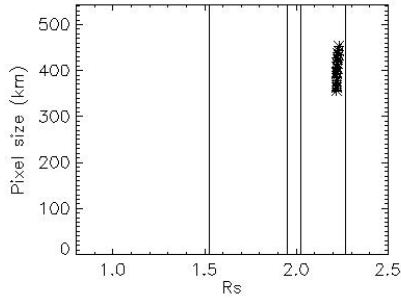
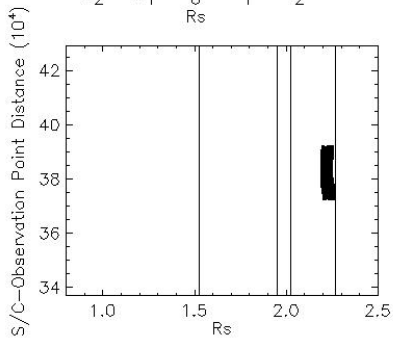


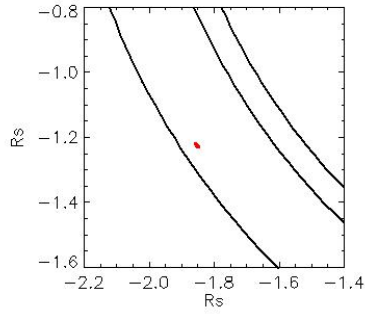
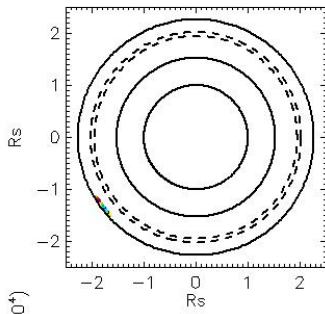
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_00_41_48

Observation Duration:
32 S

Integration time = 32 S



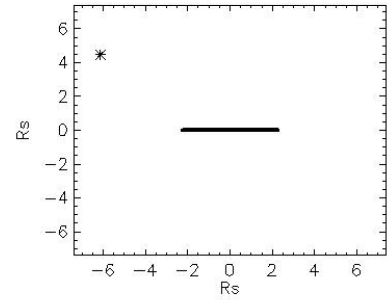
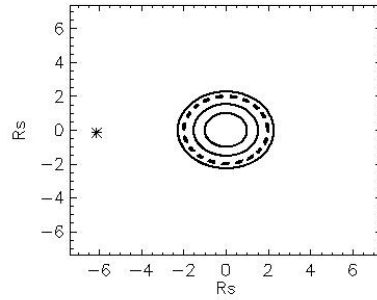
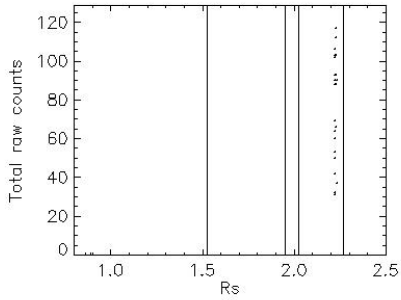
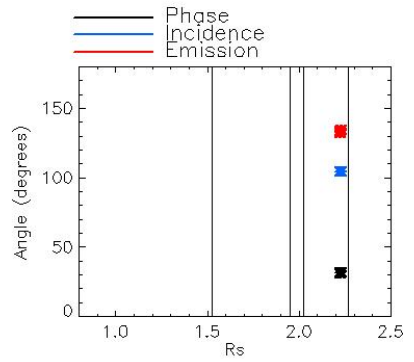
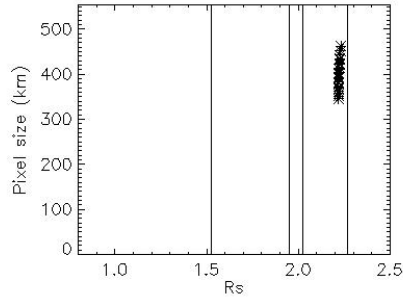
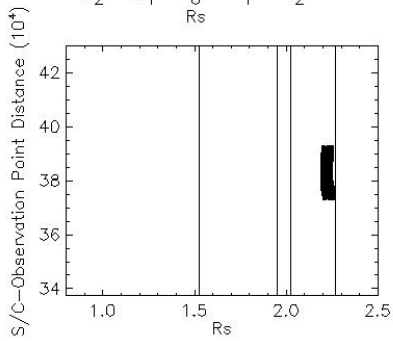


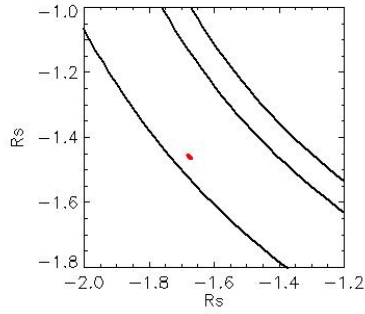
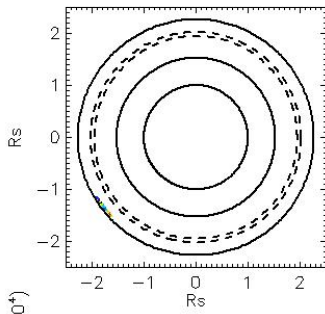
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_43_25

Observation Duration:
32 S

Integration time = 32 S



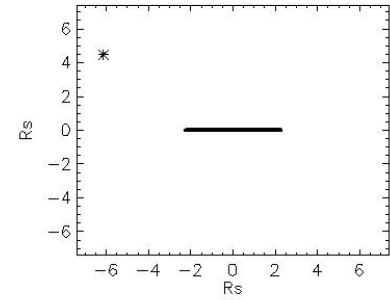
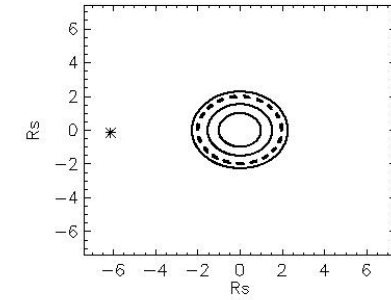
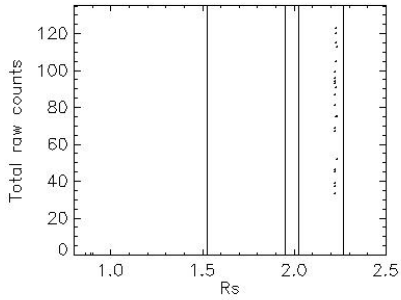
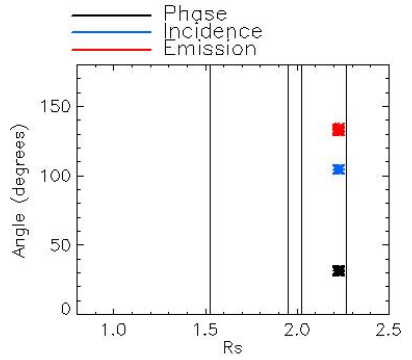
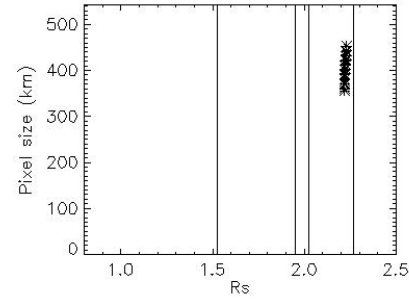
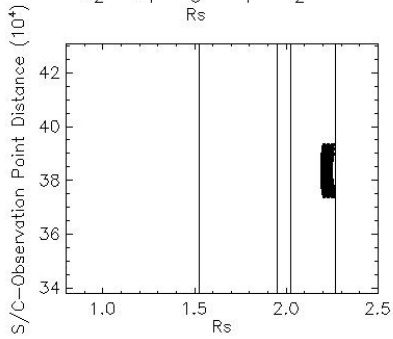


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

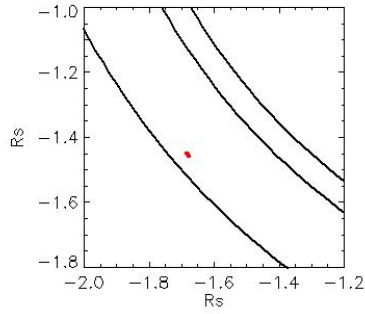
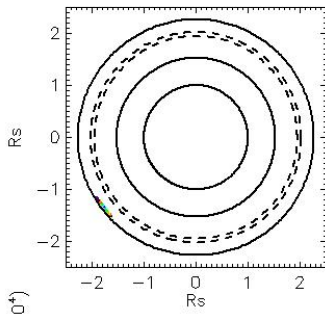
Observation Date:
2006_349_00_45_02

Observation Duration:
32 S

Integration time = 32 S



— Phase
— Incidence
— Emission

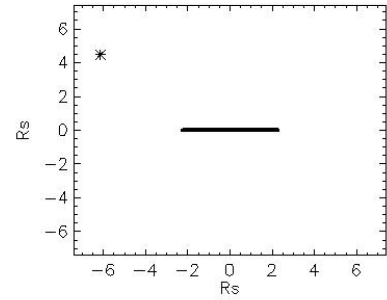
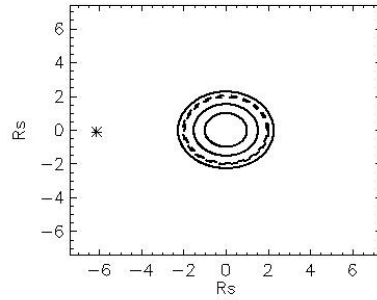
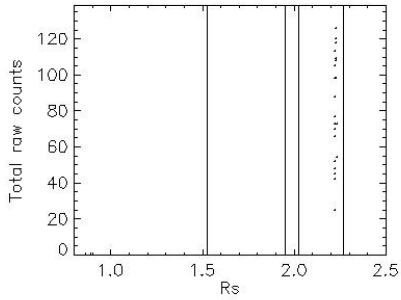
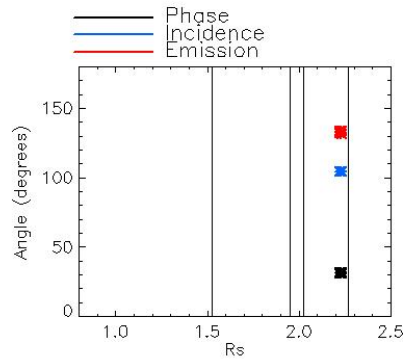
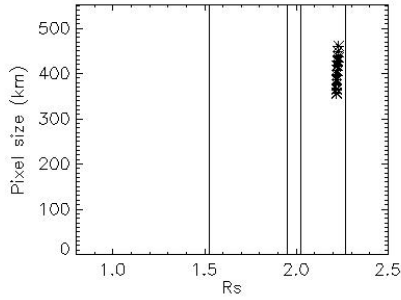
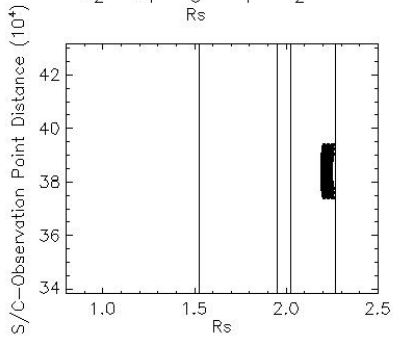


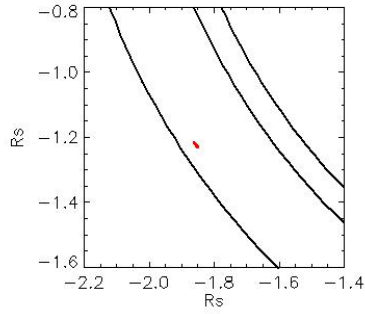
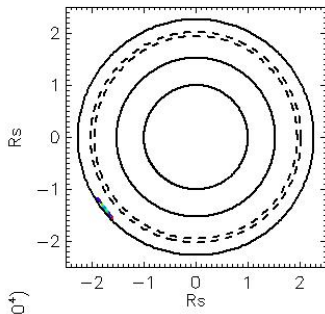
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_46_39

Observation Duration:
32 S

Integration time = 32 S



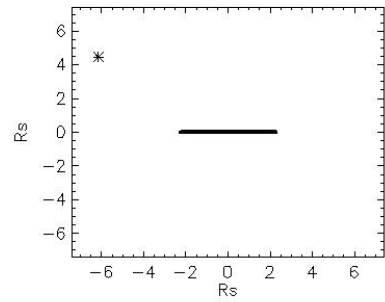
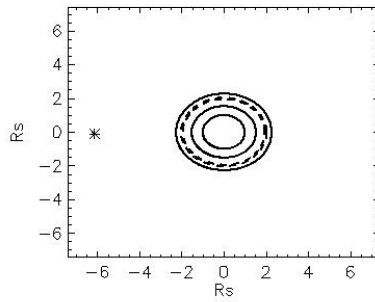
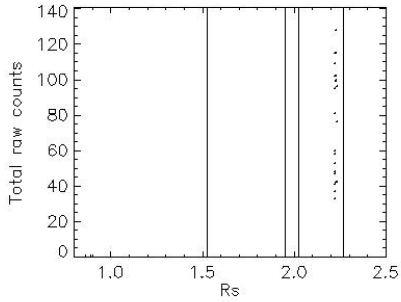
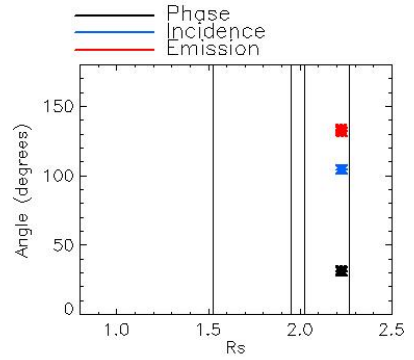
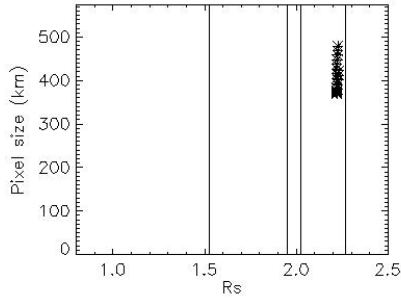
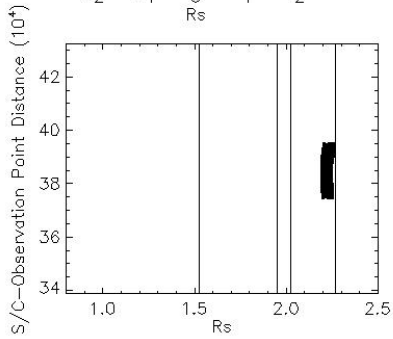


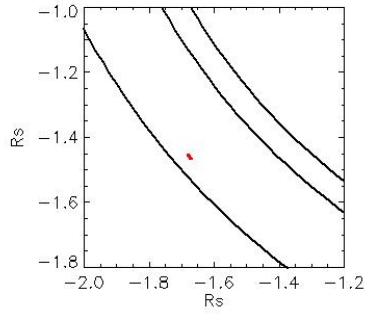
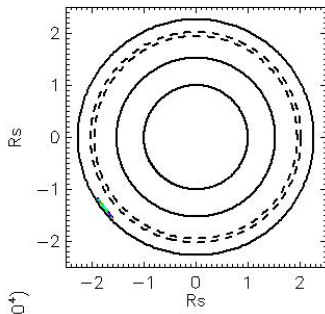
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_00_48_16

Observation Duration:
32 S

Integration time = 32 S



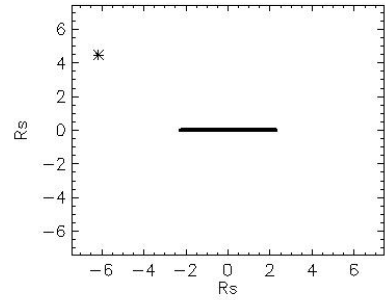
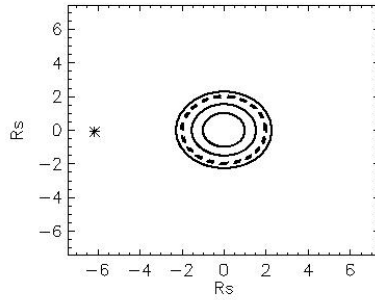
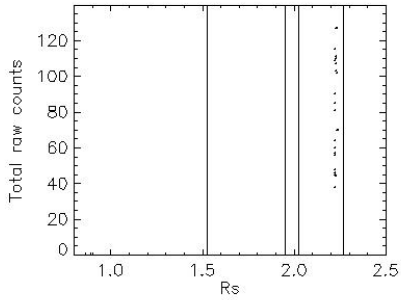
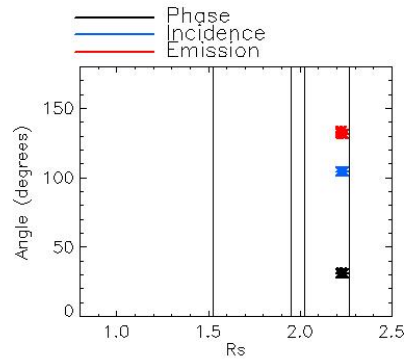
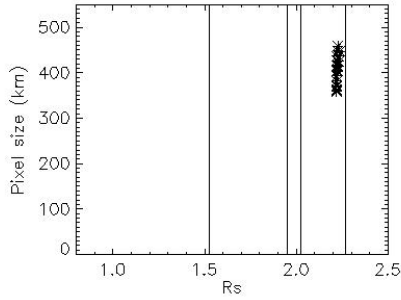
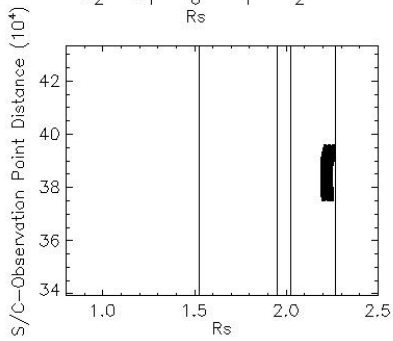


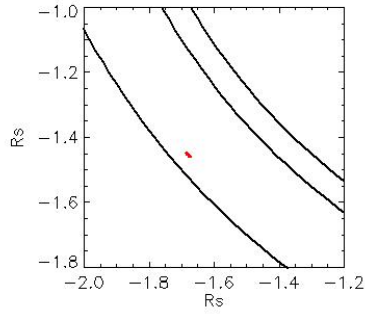
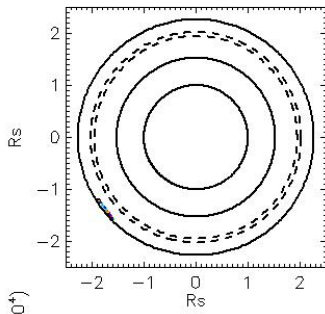
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_00_49_53

Observation Duration:
32 S

Integration time = 32 S



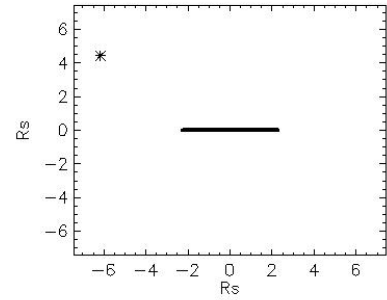
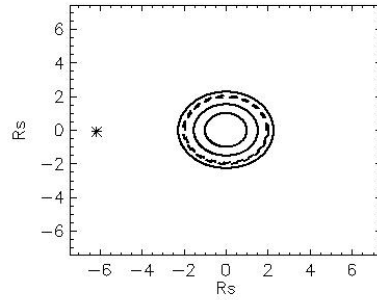
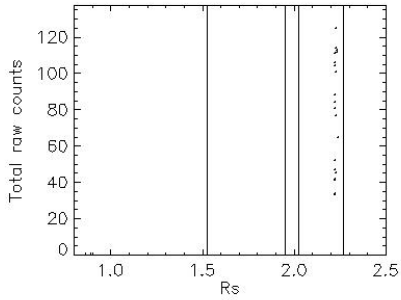
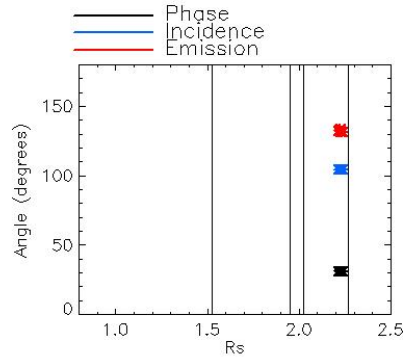
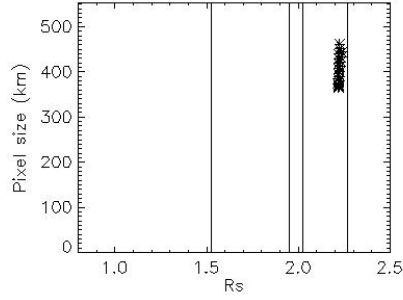
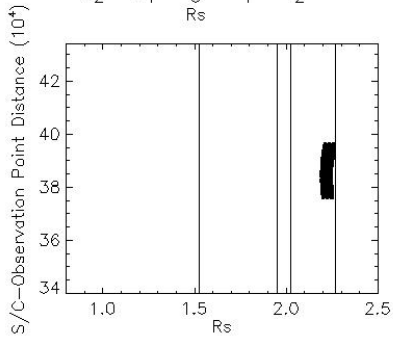


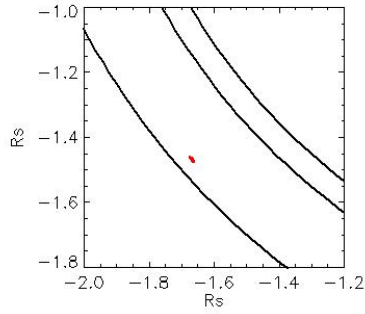
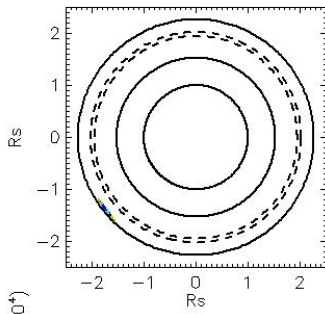
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_51_30

Observation Duration:
32 S

Integration time = 32 S



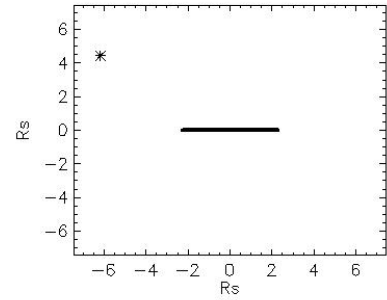
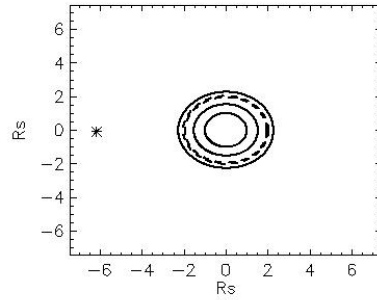
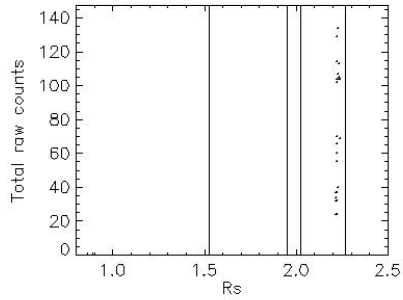
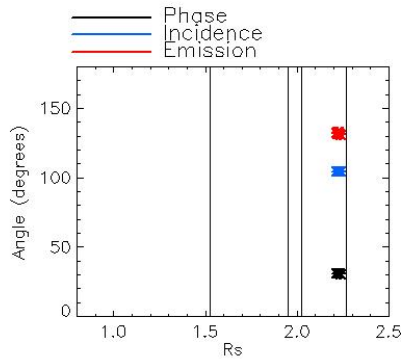
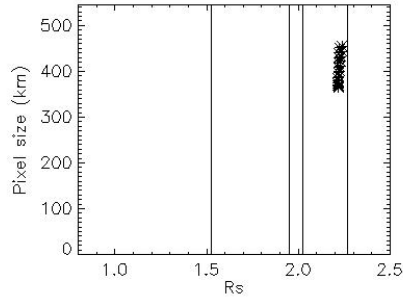
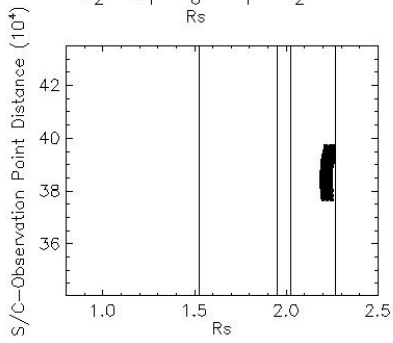


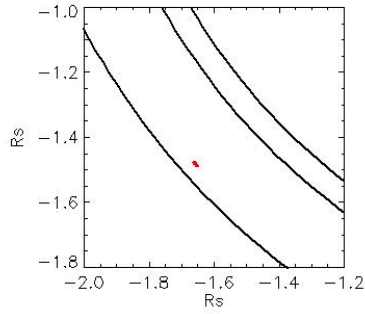
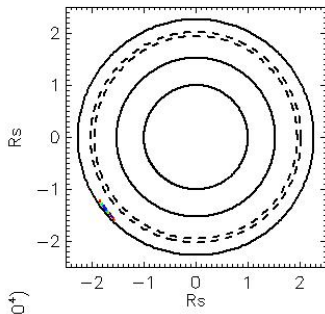
Observation Name:
UVS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_53_07

Observation Duration:
32 S

Integration time = 32 S



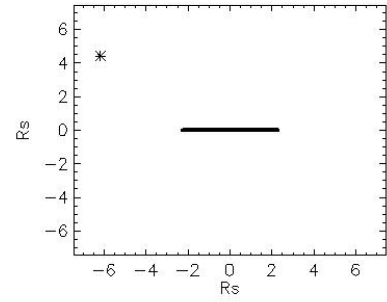
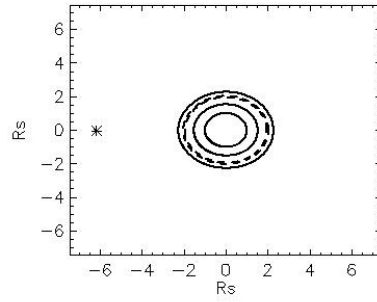
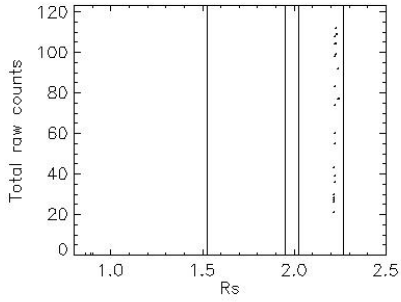
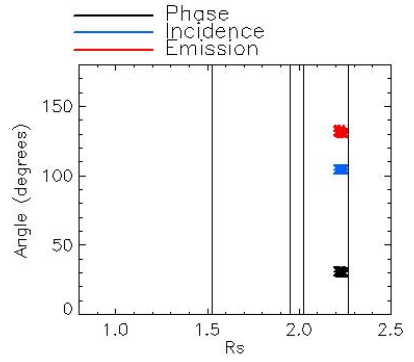
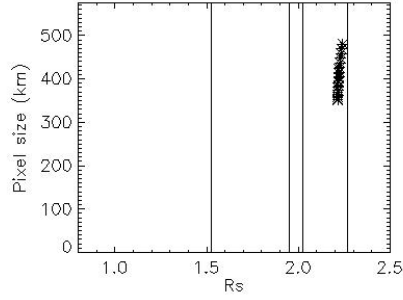
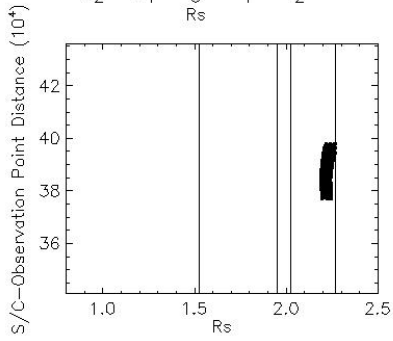


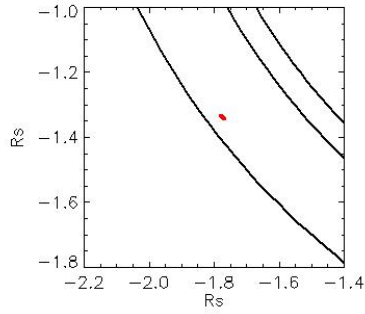
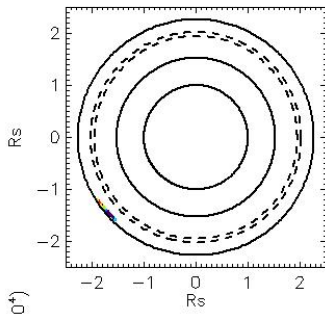
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_54_44

Observation Duration:
32 S

Integration time = 32 S



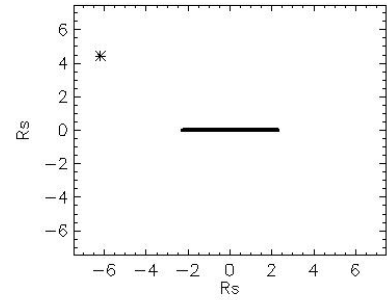
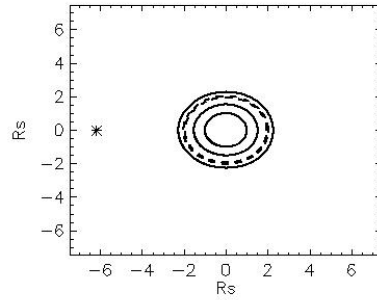
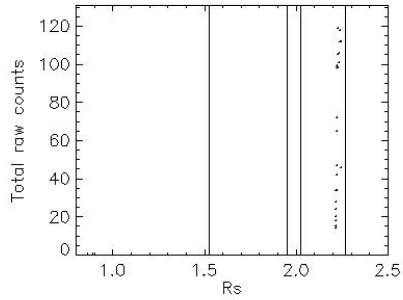
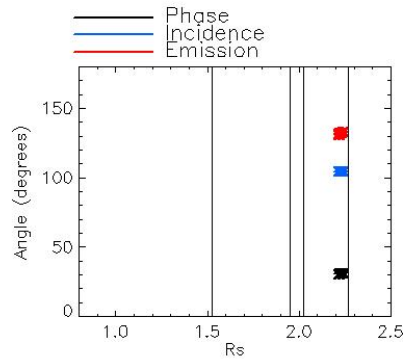
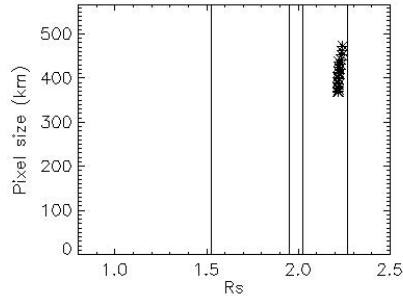
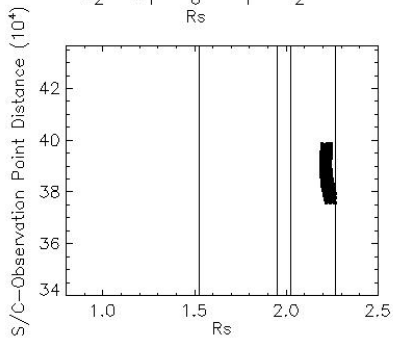


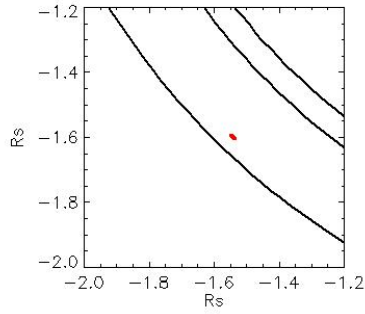
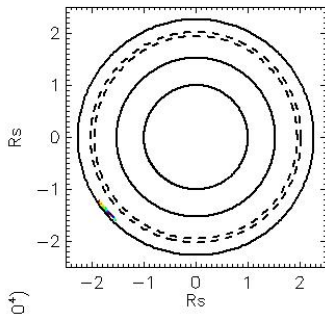
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_00_58_19

Observation Duration:
32 S

Integration time = 32 S





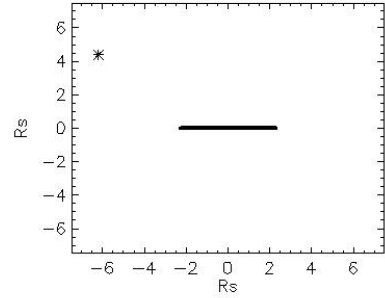
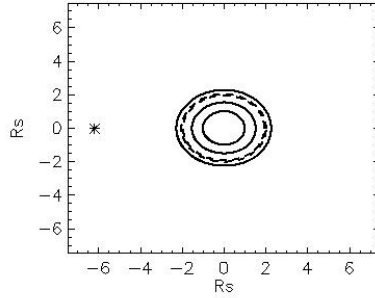
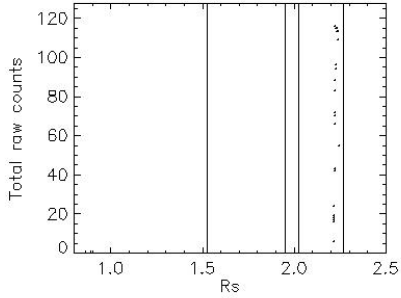
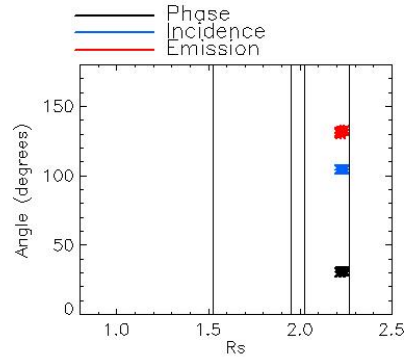
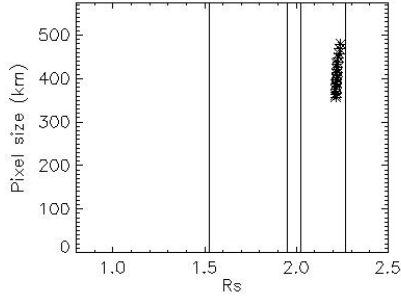
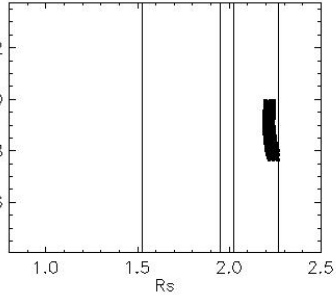
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

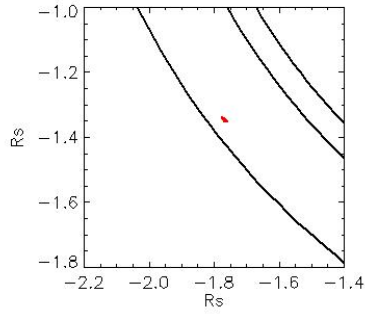
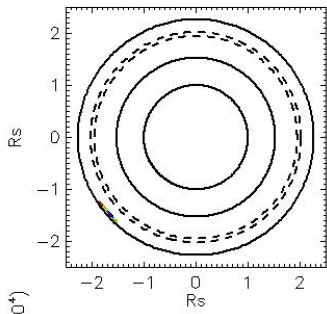
Observation Date:
2006_349_00_59_56

Observation Duration:
32 S

Integration time = 32 S

S/C—Observation Point Distance (10^4)



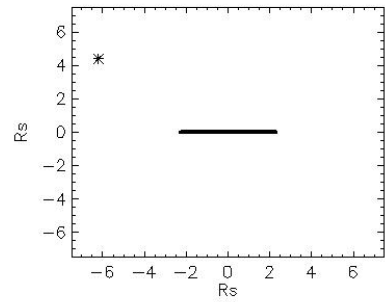
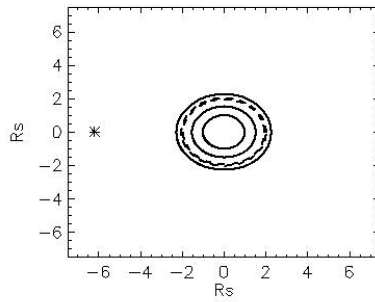
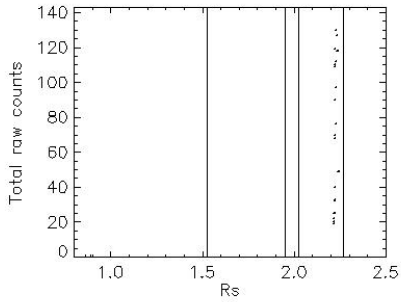
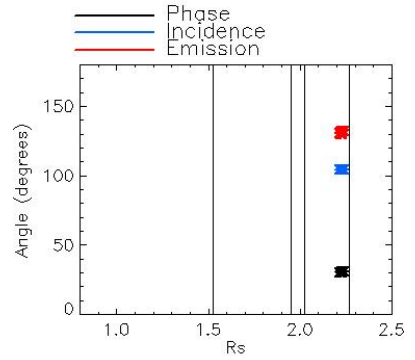
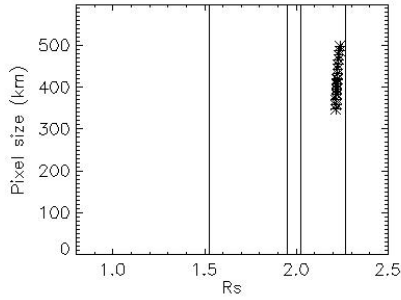
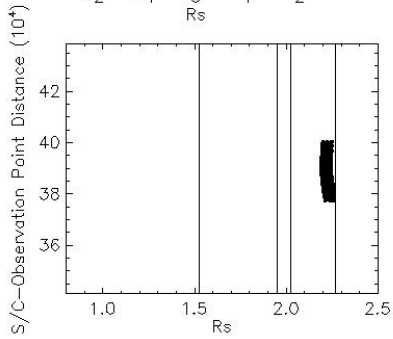


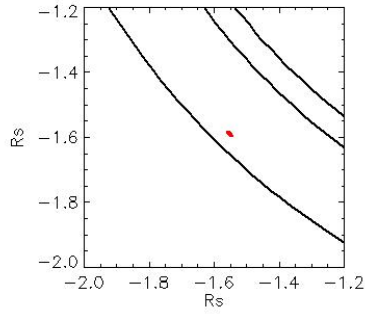
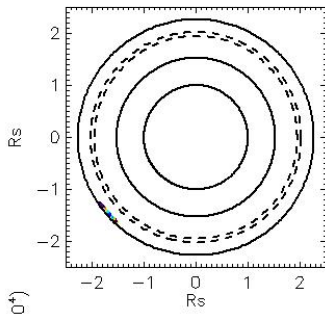
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_01_33

Observation Duration:
32 S

Integration time = 32 S





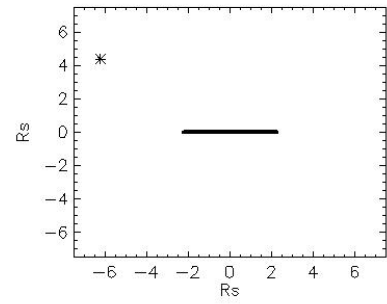
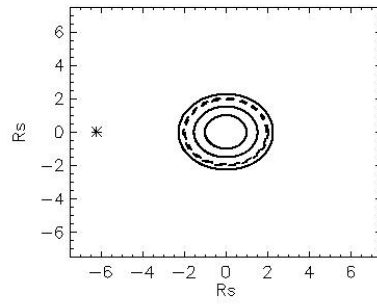
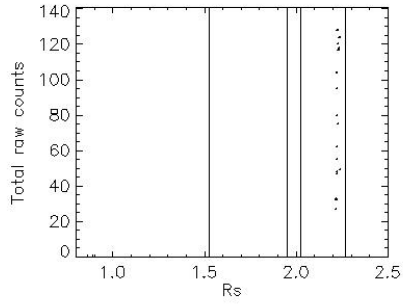
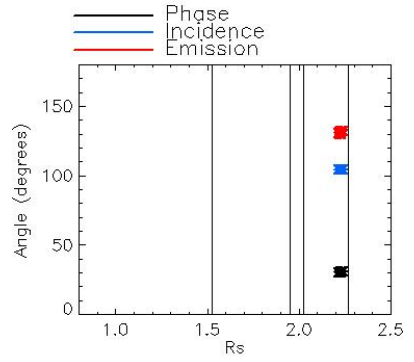
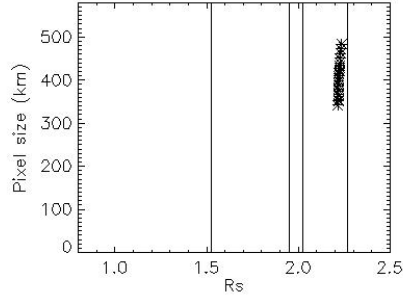
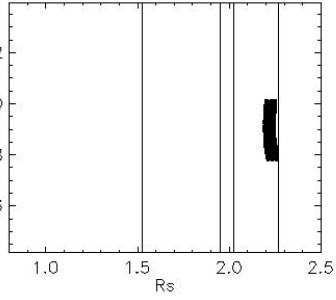
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

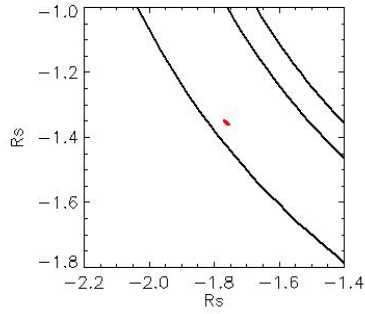
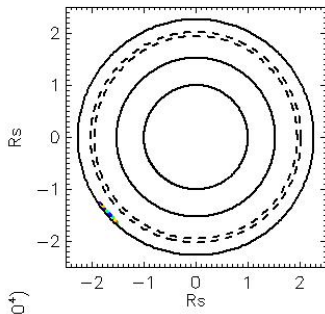
Observation Date:
2006_349_01_03_10

Observation Duration:
32 S

Integration time = 32 S

S/C—Observation Point Distance (10^4)



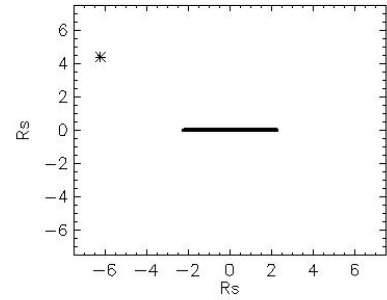
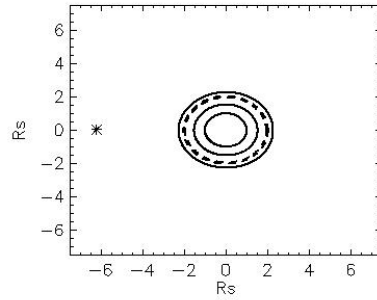
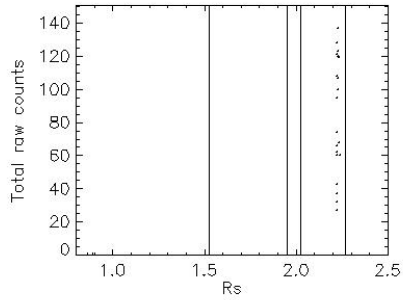
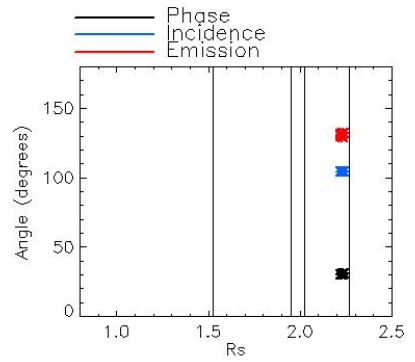
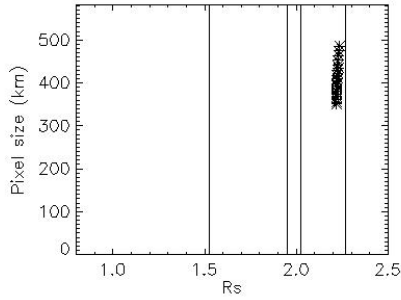
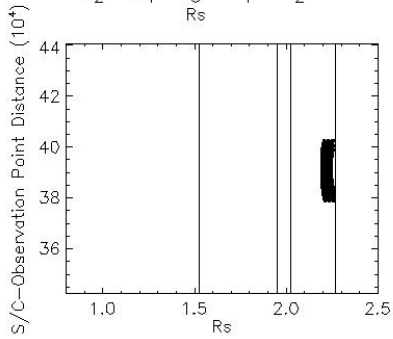


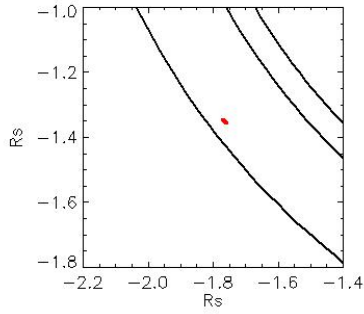
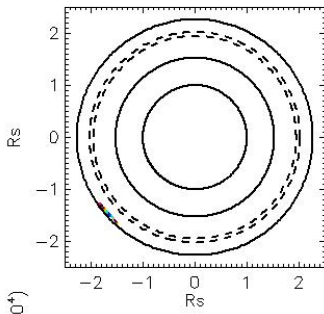
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_04_47

Observation Duration:
32 S

Integration time = 32 S



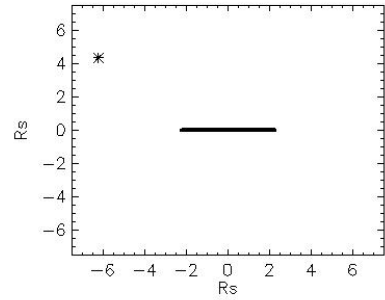
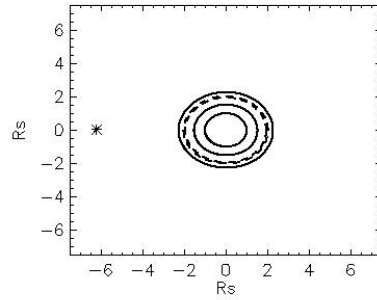
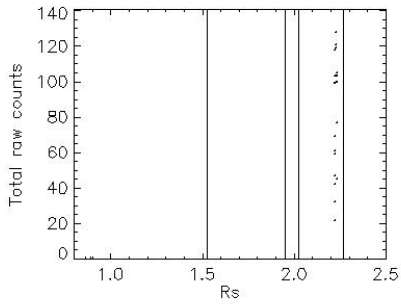
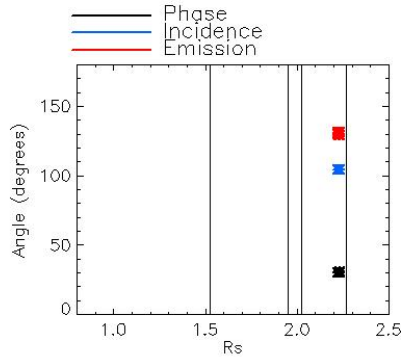
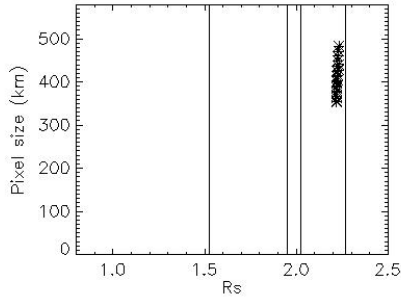
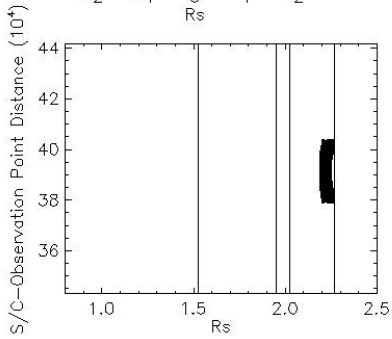


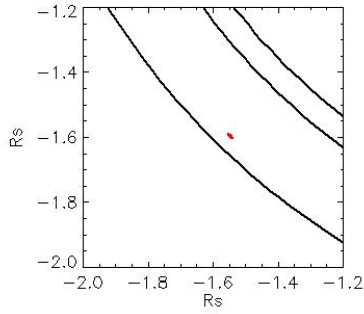
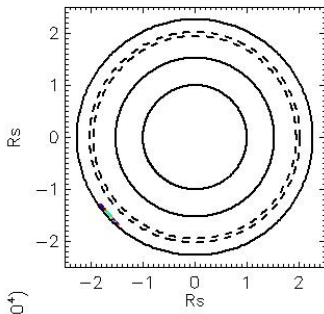
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_06_24

Observation Duration:
32 S

Integration time = 32 S



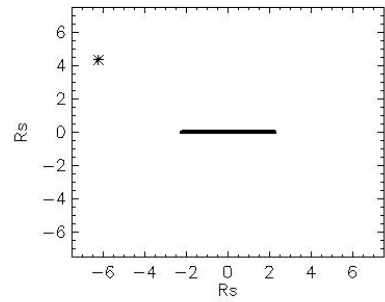
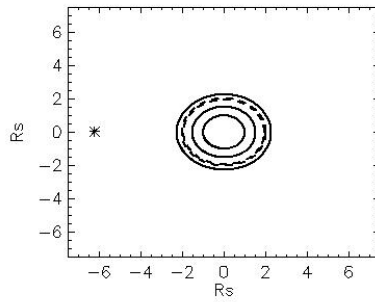
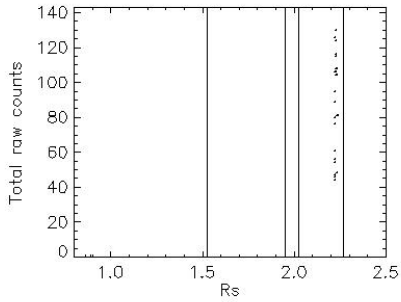
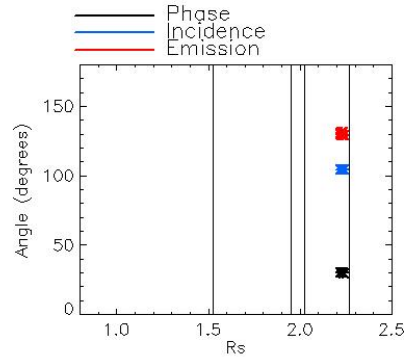
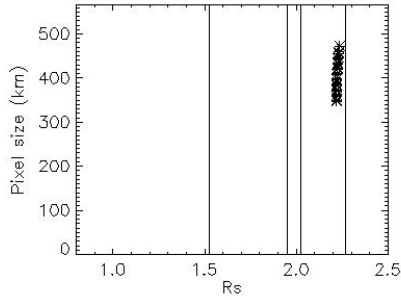
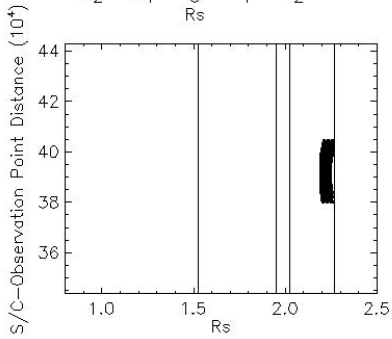


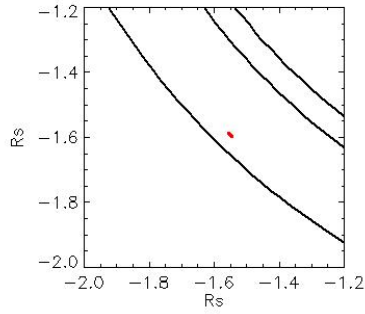
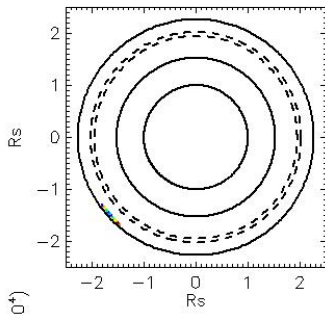
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_08_01

Observation Duration:
32 S

Integration time = 32 S



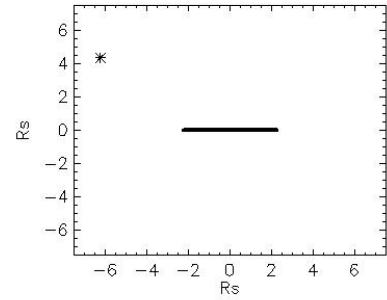
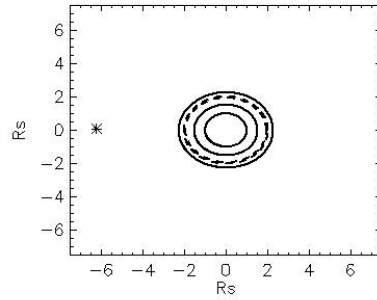
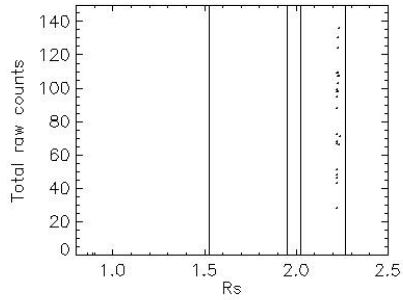
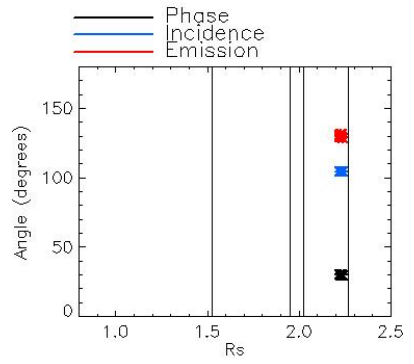
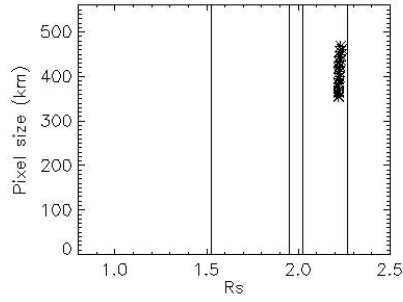
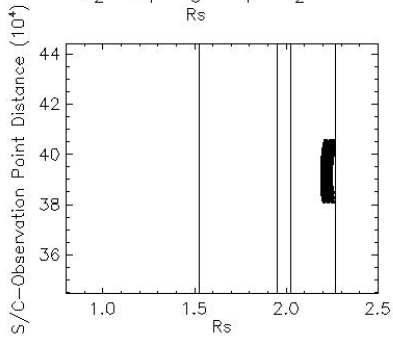


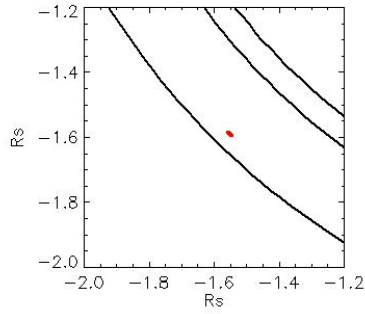
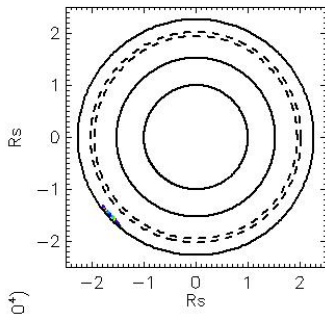
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_09_38

Observation Duration:
32 S

Integration time = 32 S



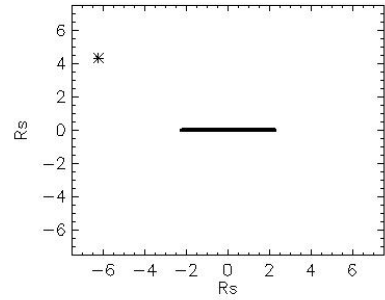
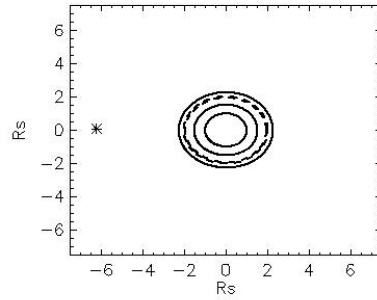
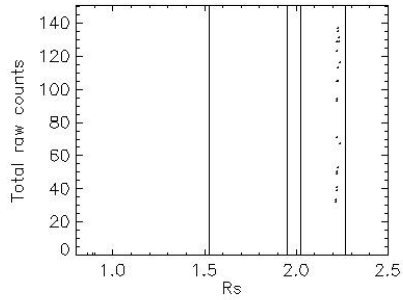
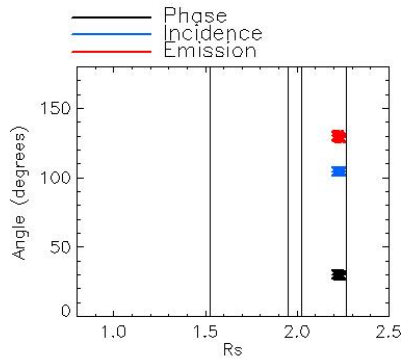
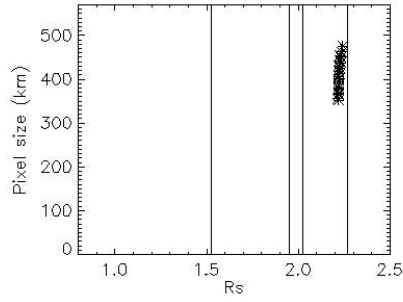
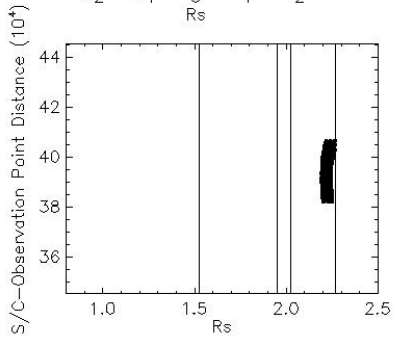


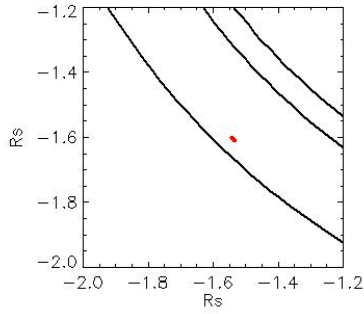
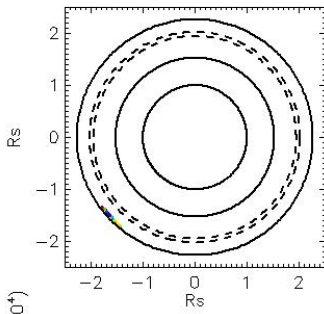
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_11_15

Observation Duration:
32 S

Integration time = 32 S



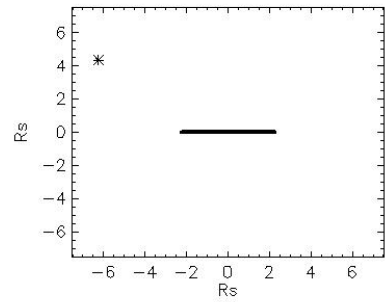
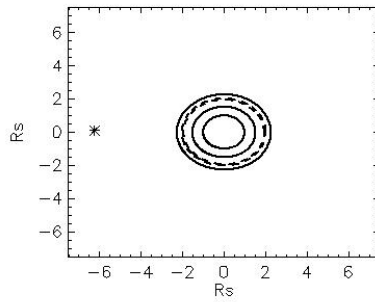
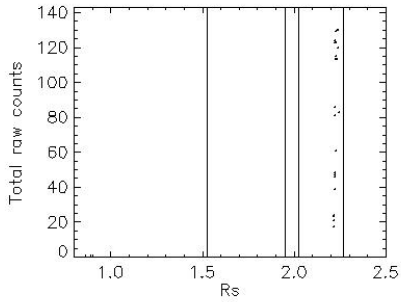
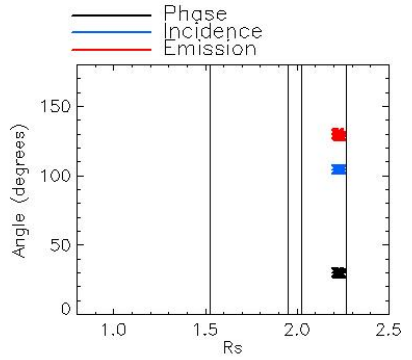
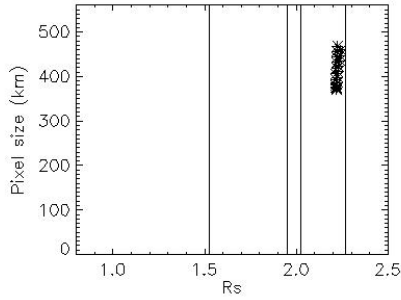
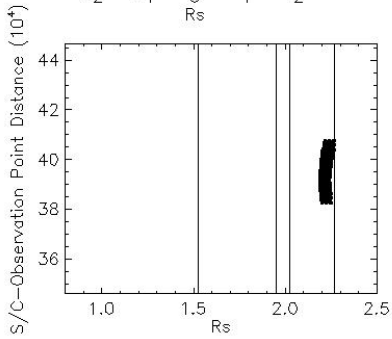


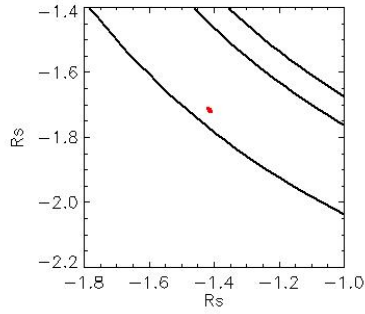
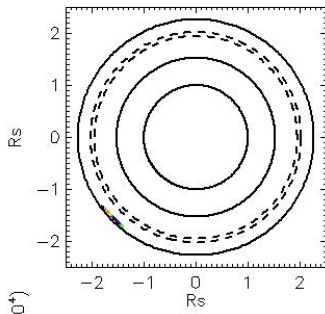
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_12_52

Observation Duration:
32 S

Integration time = 32 S



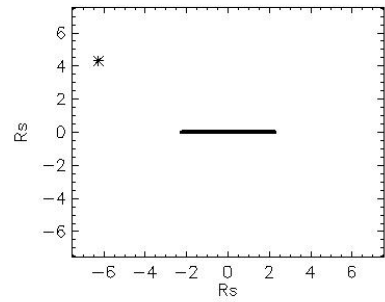
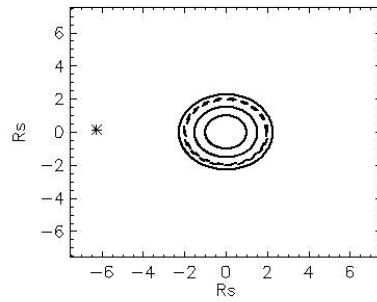
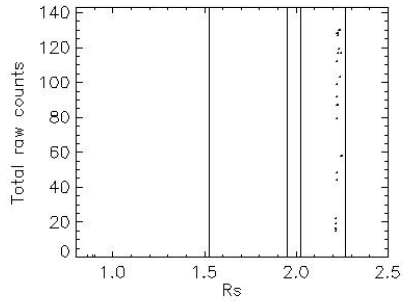
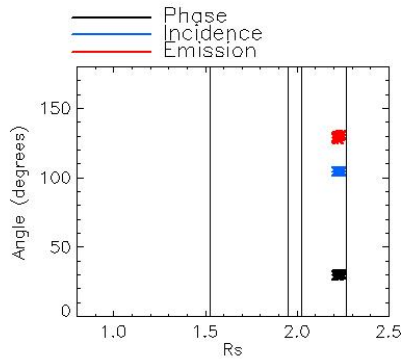
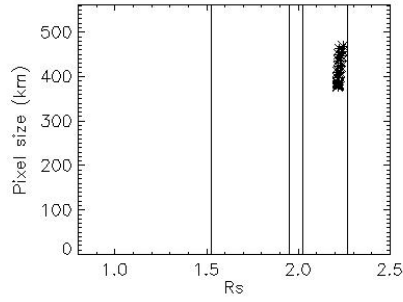
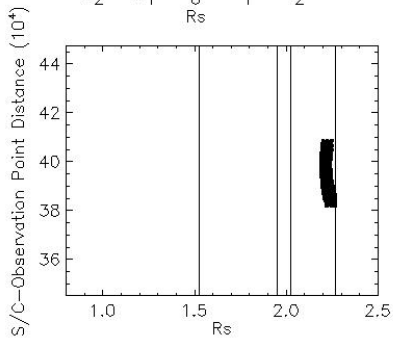


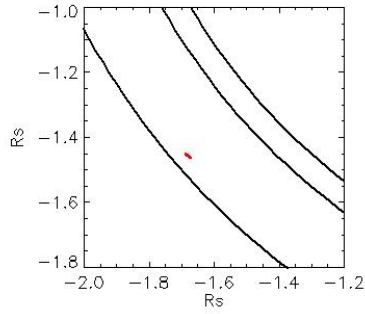
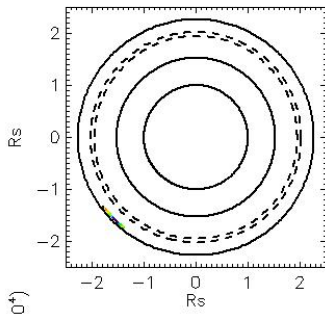
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_16_26

Observation Duration:
32 S

Integration time = 32 S



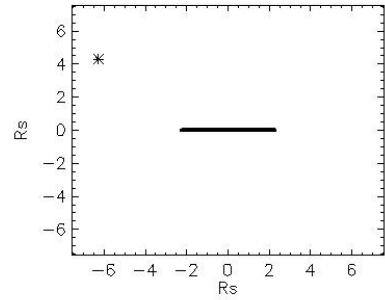
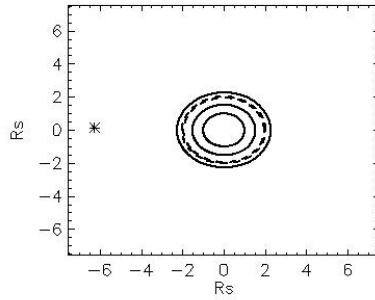
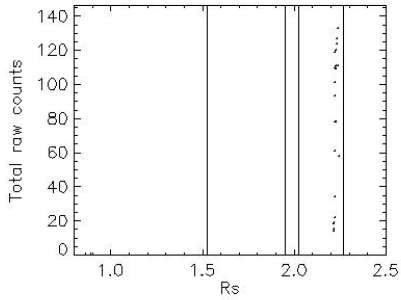
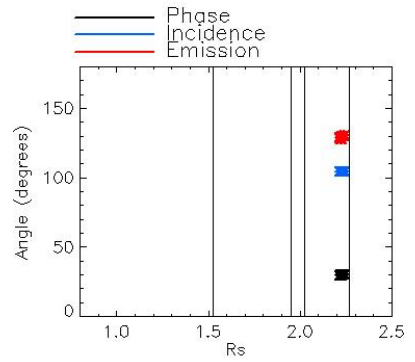
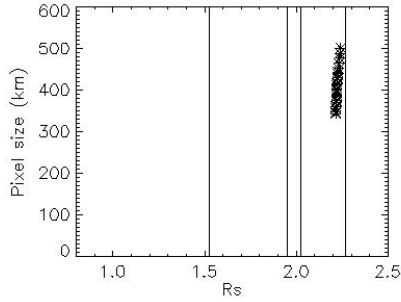
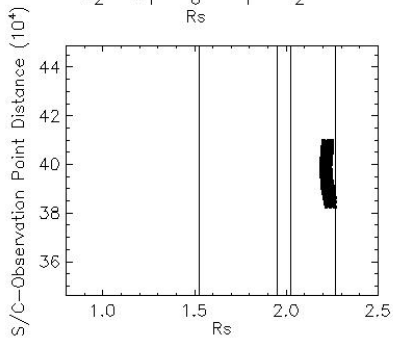


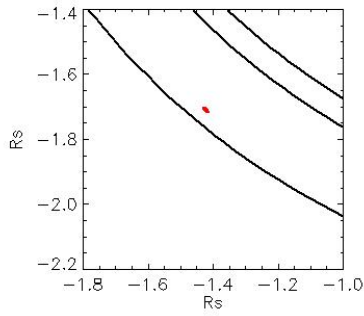
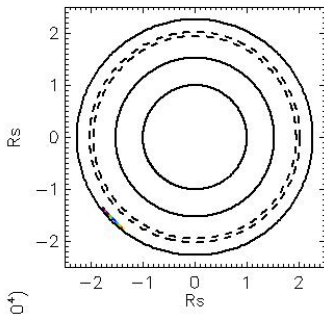
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_18_03

Observation Duration:
32 S

Integration time = 32 S



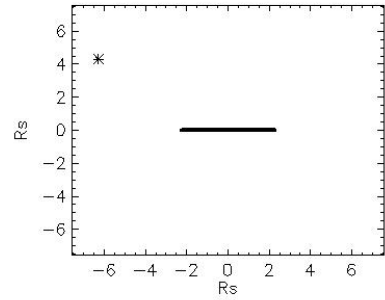
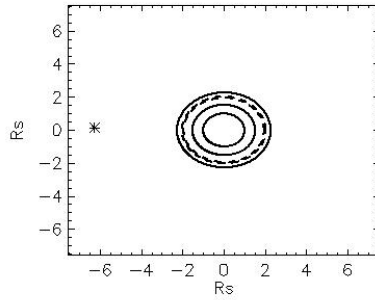
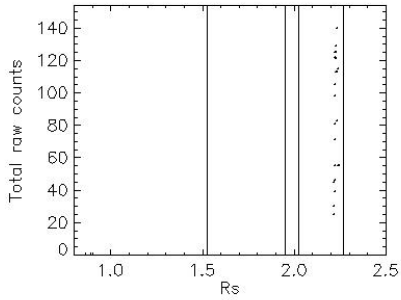
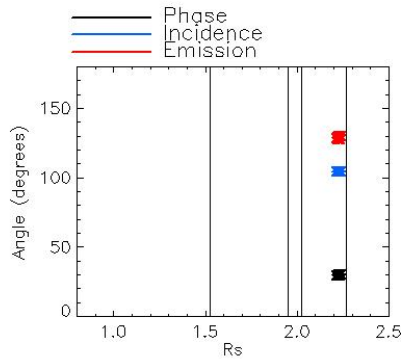
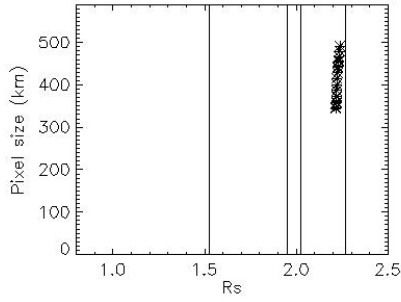
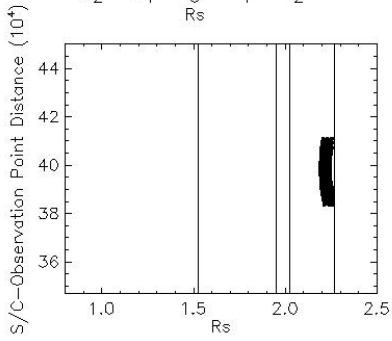


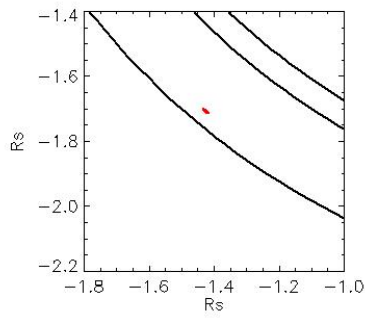
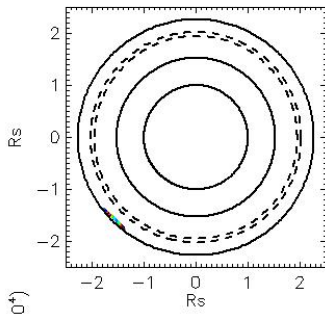
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_19_40

Observation Duration:
32 S

Integration time = 32 S



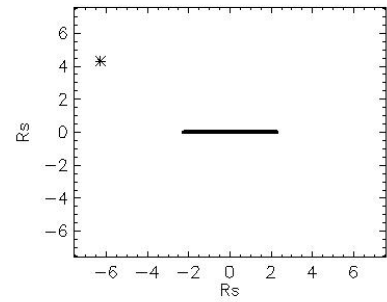
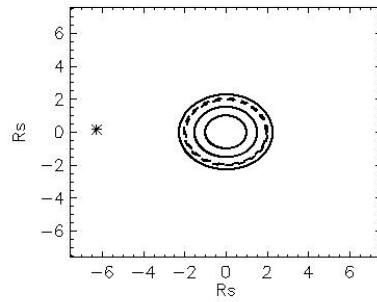
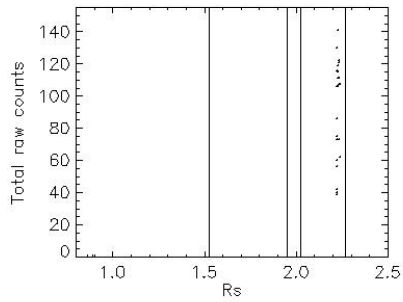
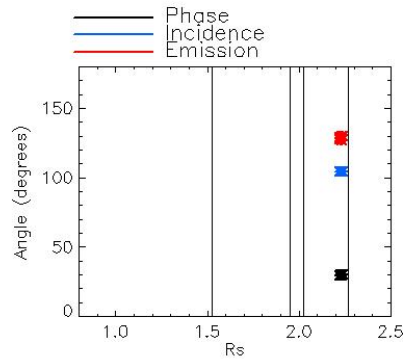
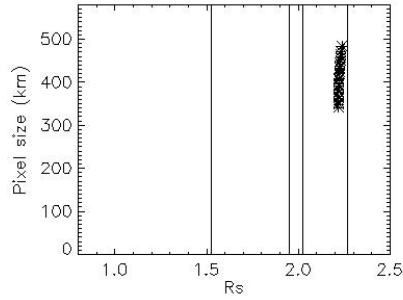
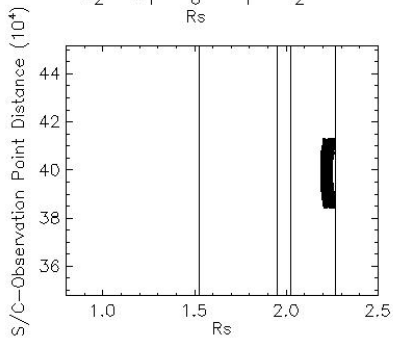


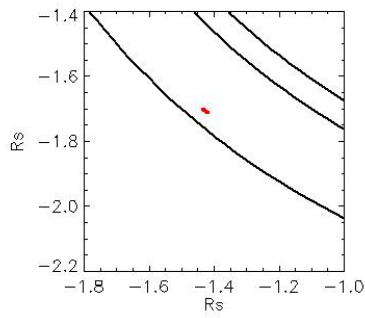
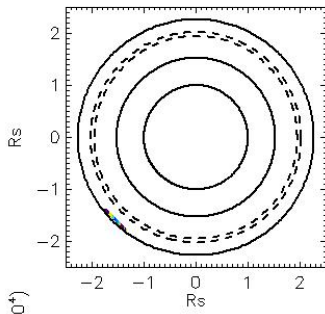
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_21_17

Observation Duration:
32 S

Integration time = 32 S



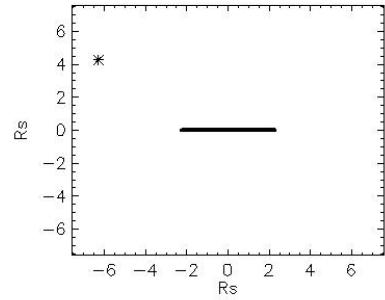
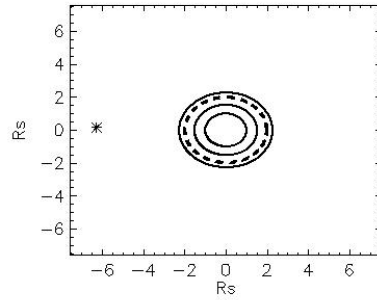
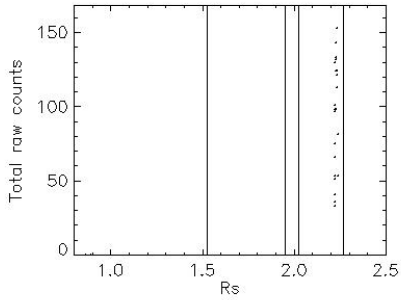
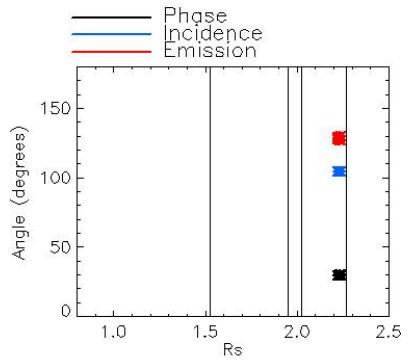
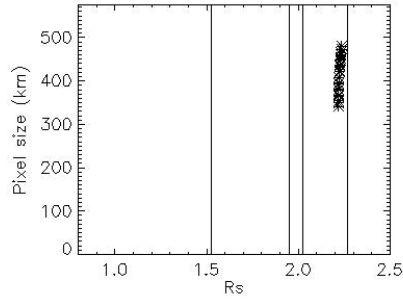
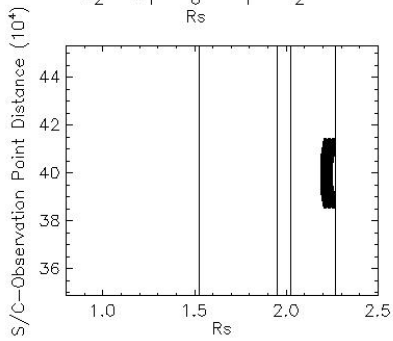


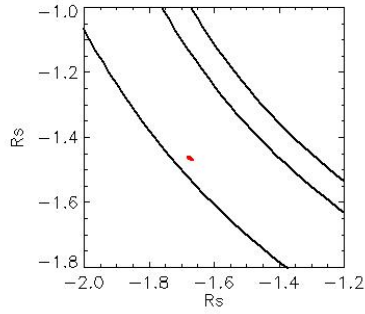
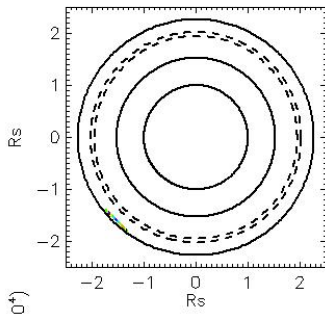
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_22_54

Observation Duration:
32 S

Integration time = 32 S



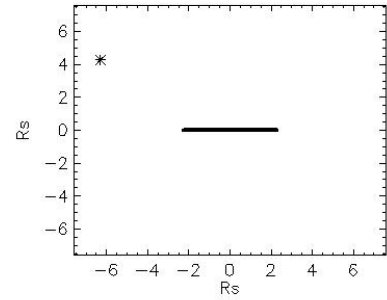
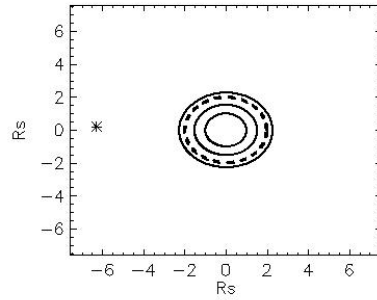
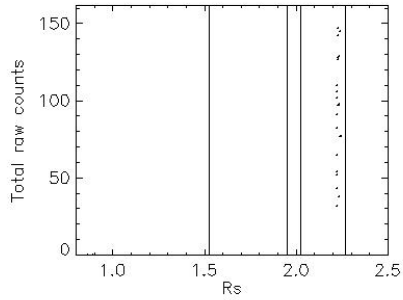
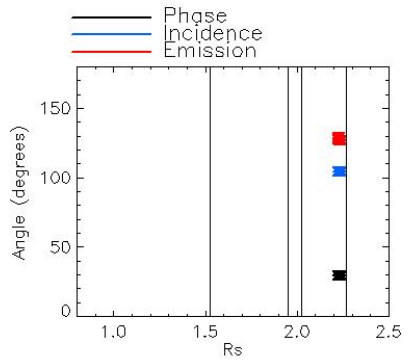
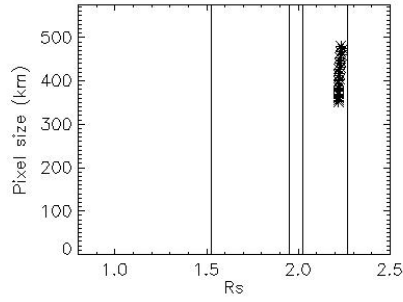
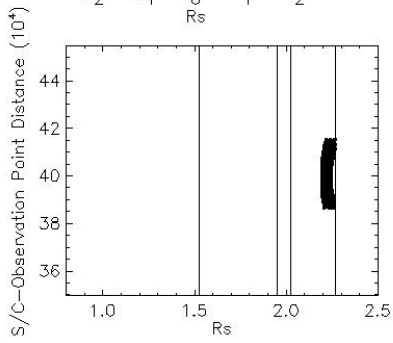


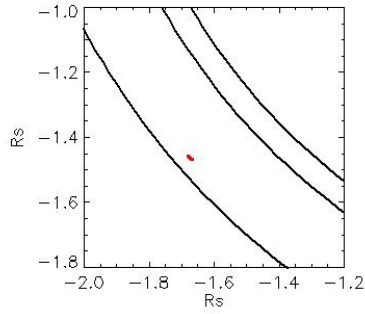
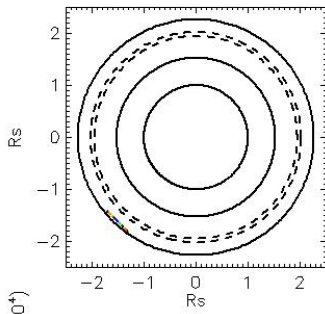
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_24_31

Observation Duration:
32 S

Integration time = 32 S



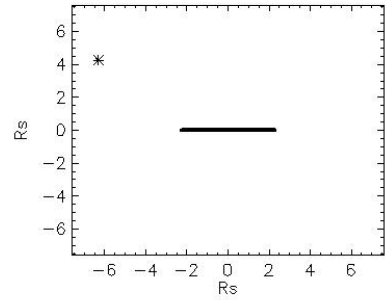
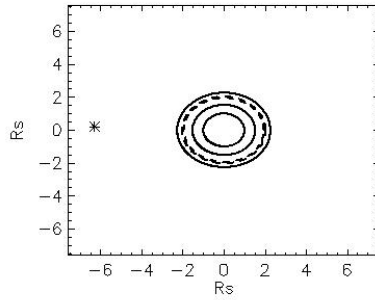
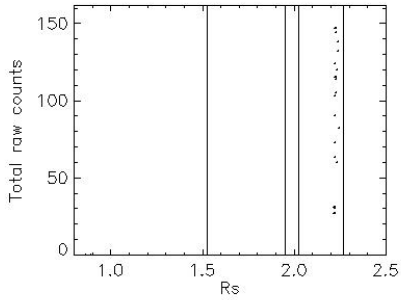
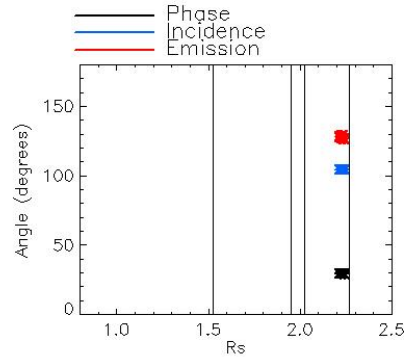
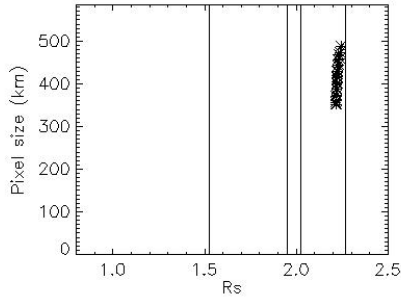
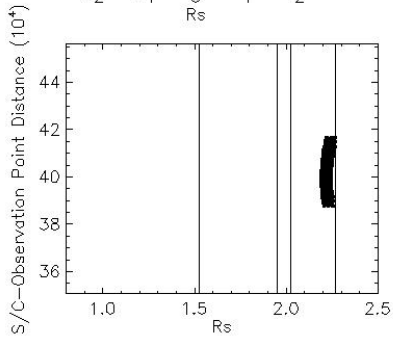


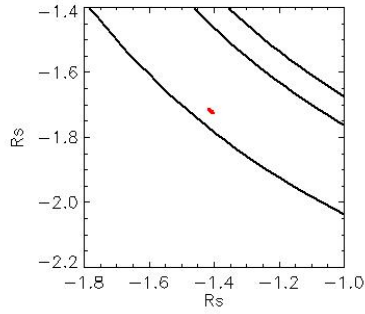
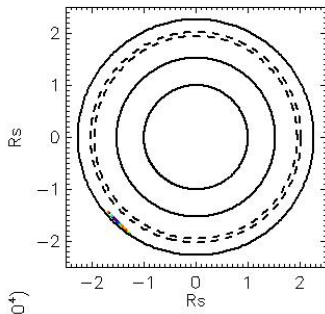
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_26_08

Observation Duration:
32 S

Integration time = 32 S



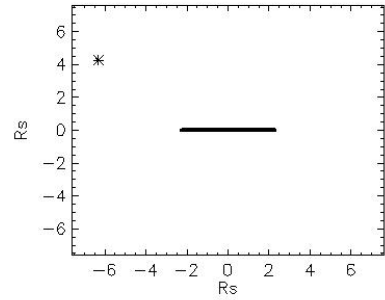
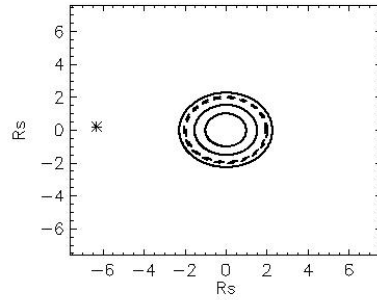
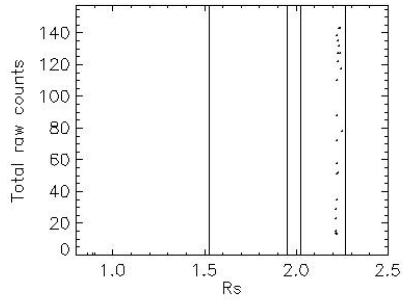
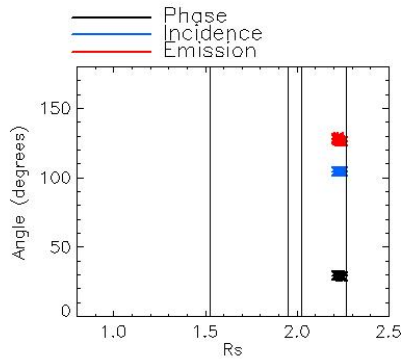
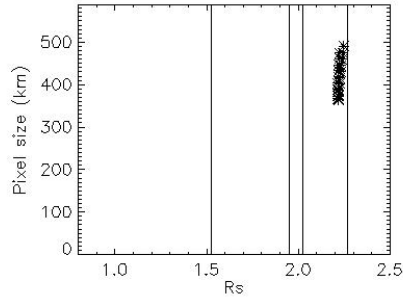
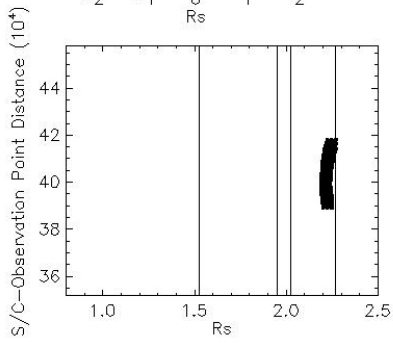


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_27_45

Observation Duration:
32 S

Integration time = 32 S

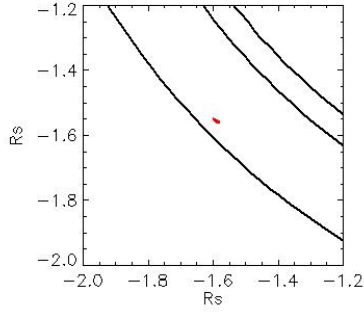
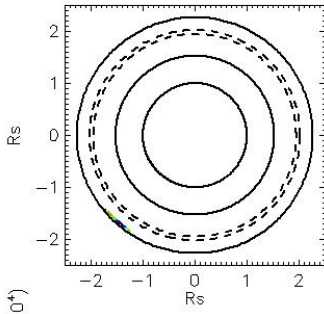


Observation Name:
UMS_035RLAZSCNL0PH001_ISS

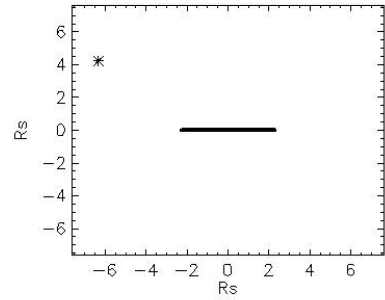
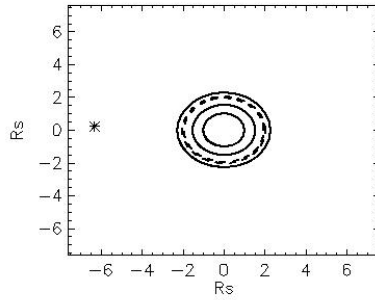
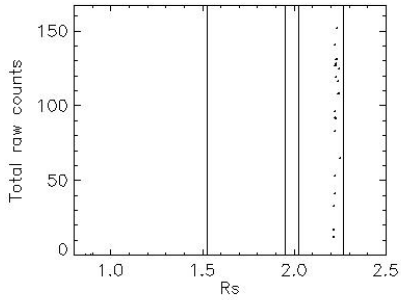
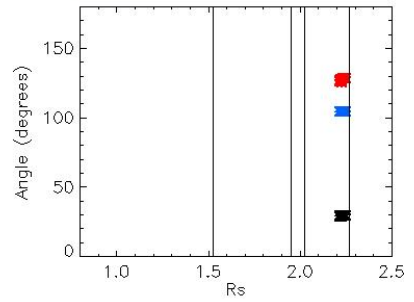
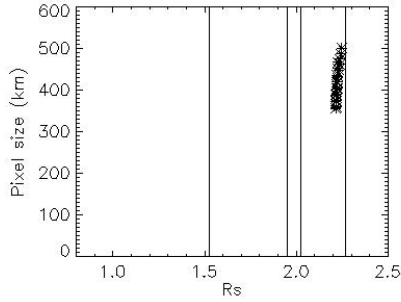
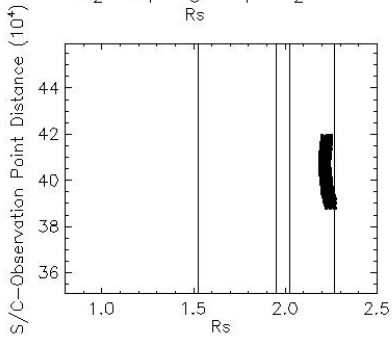
Observation Date:
2006_349_01_31_28

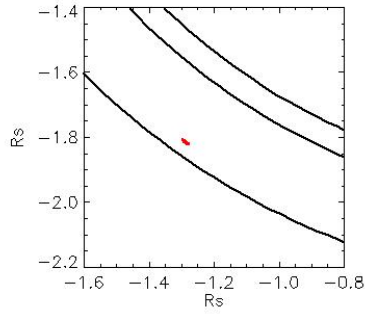
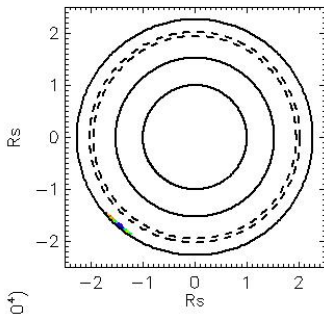
Observation Duration:
32 S

Integration time = 32 S



— Phase
— Incidence
— Emission



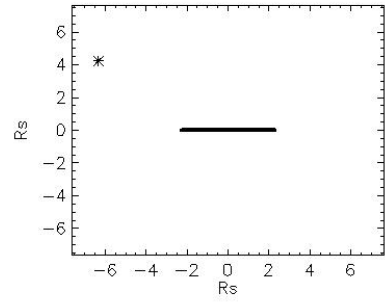
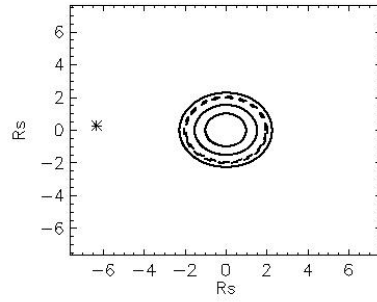
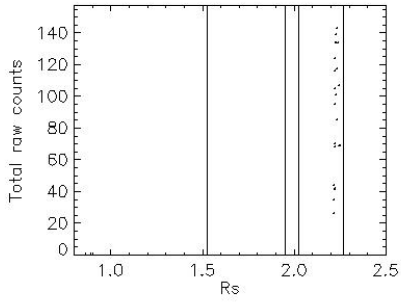
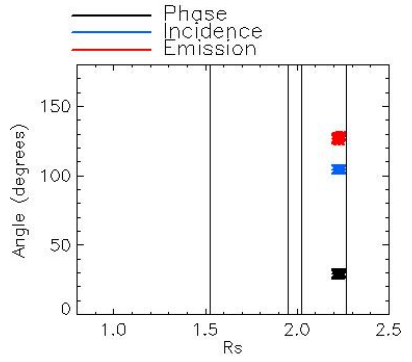
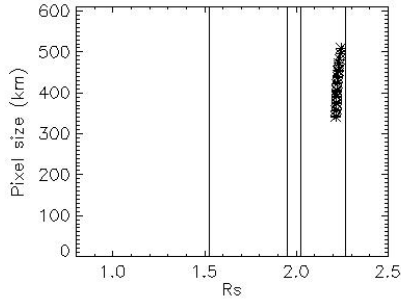
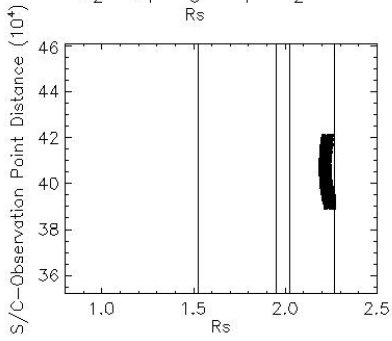


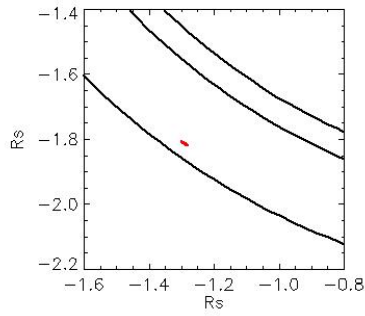
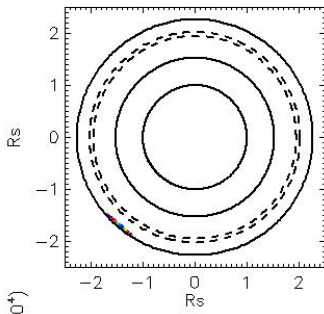
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_33_05

Observation Duration:
32 S

Integration time = 32 S



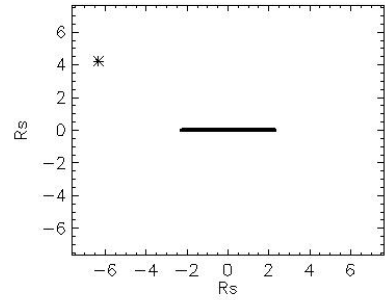
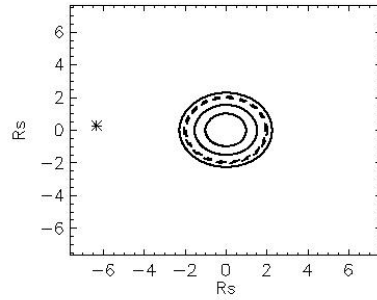
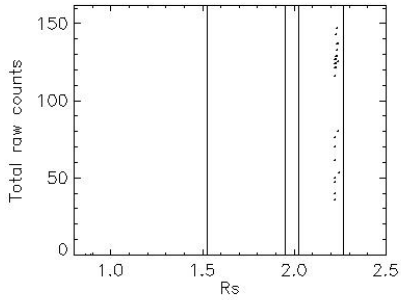
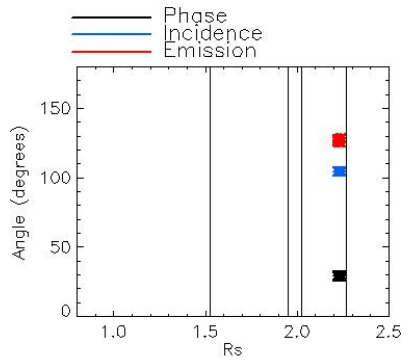
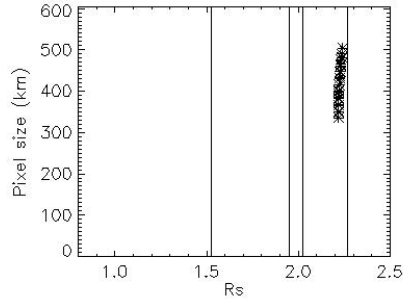
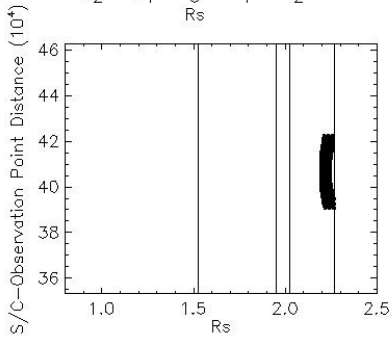


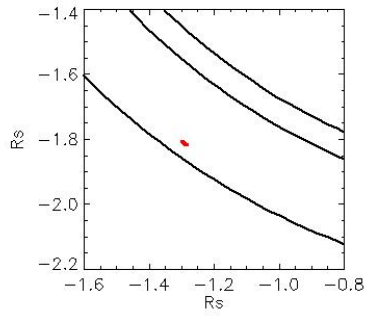
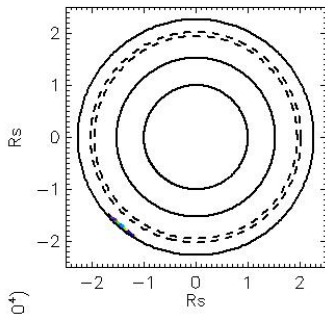
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_34_42

Observation Duration:
32 S

Integration time = 32 S



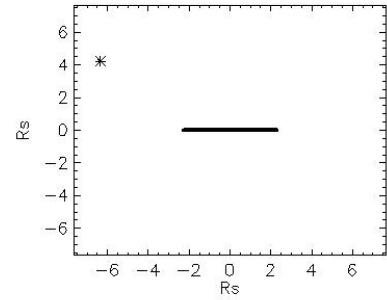
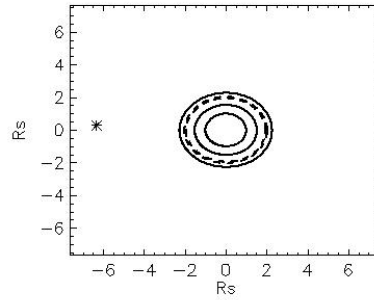
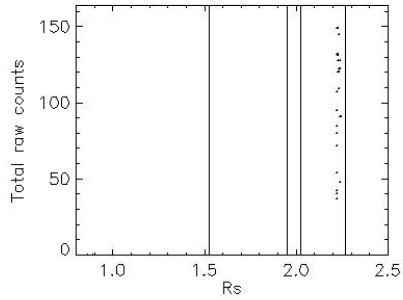
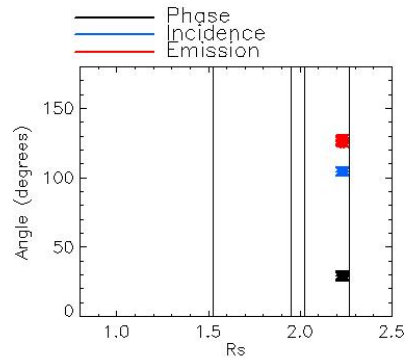
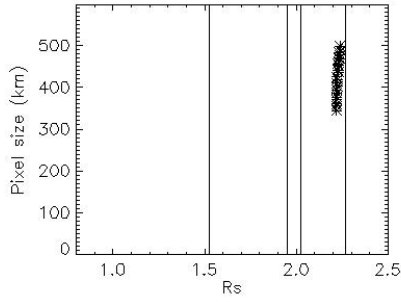
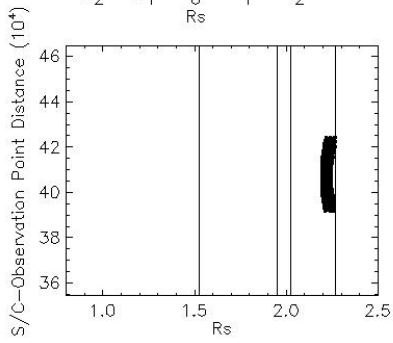


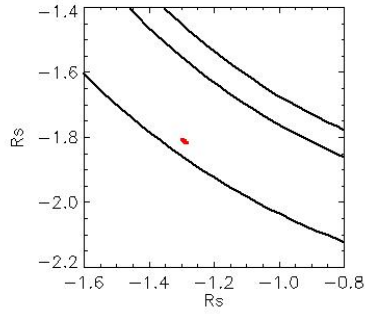
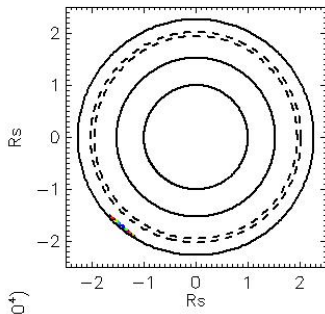
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_36_19

Observation Duration:
32 S

Integration time = 32 S



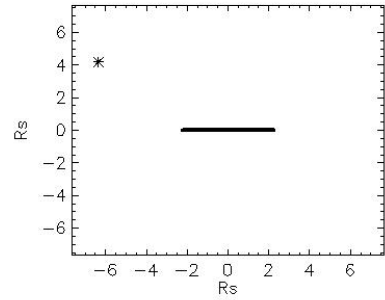
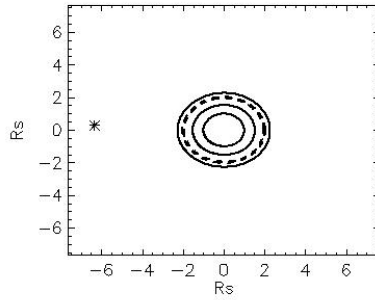
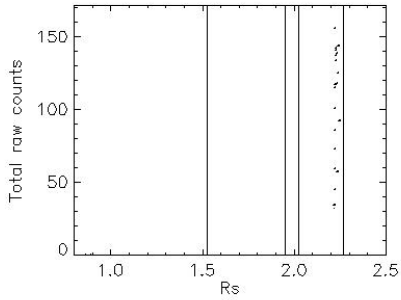
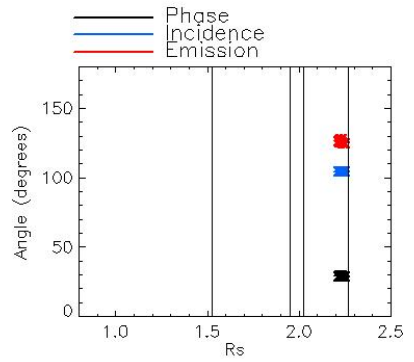
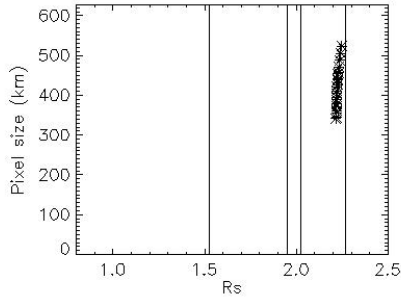
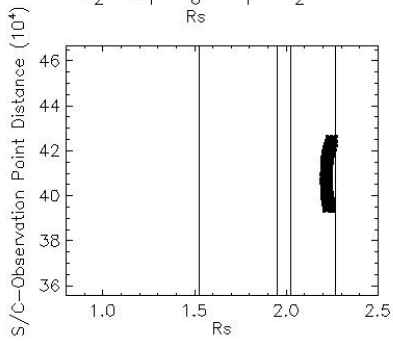


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_37_56

Observation Duration:
32 S

Integration time = 32 S

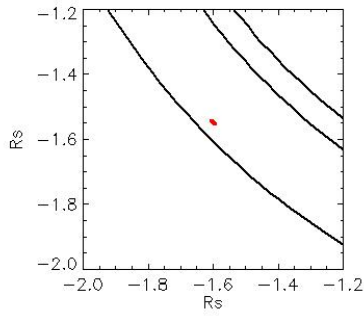
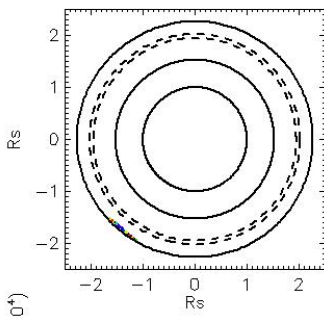


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

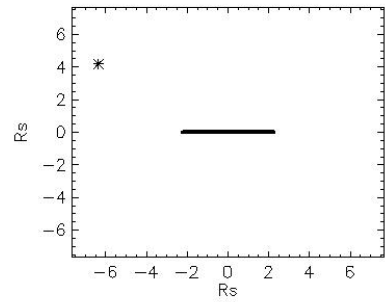
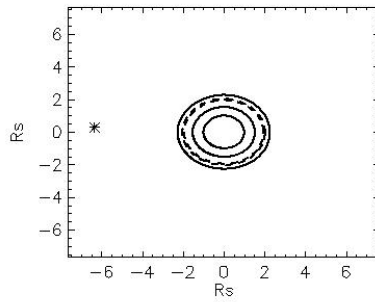
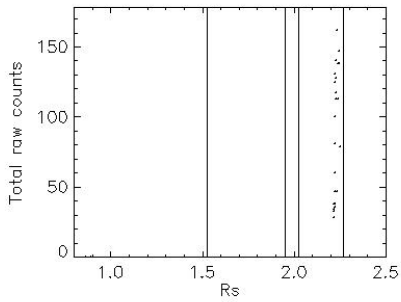
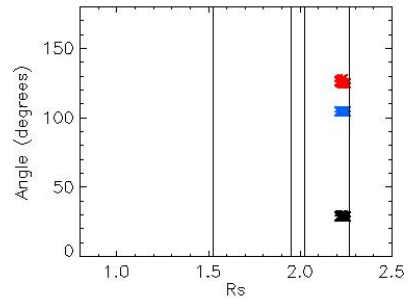
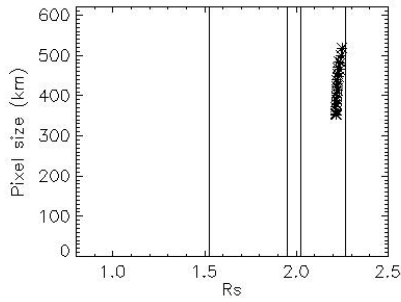
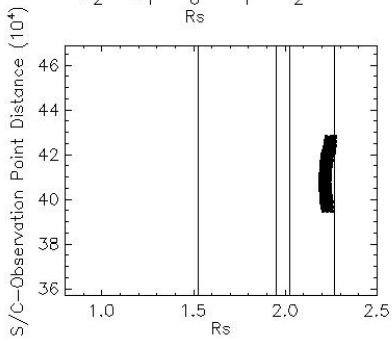
Observation Date:
2006_349_01_39_33

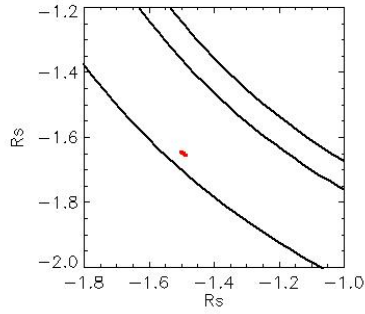
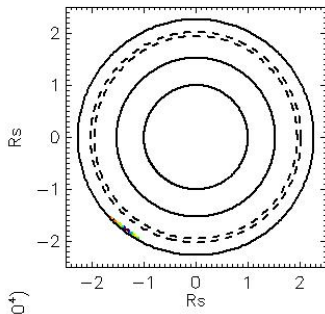
Observation Duration:
32 S

Integration time = 32 S



— Phase
— Incidence
— Emission



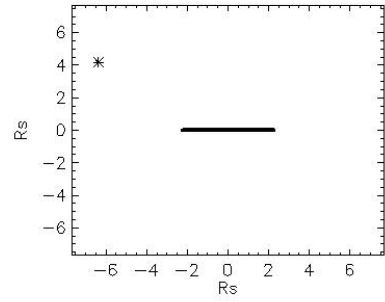
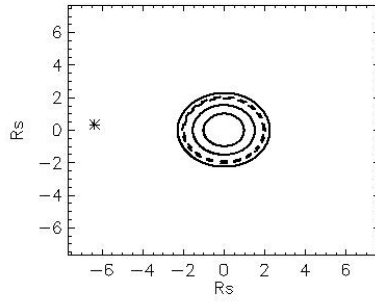
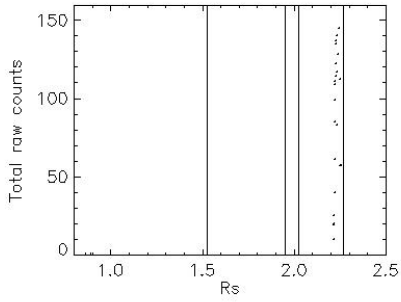
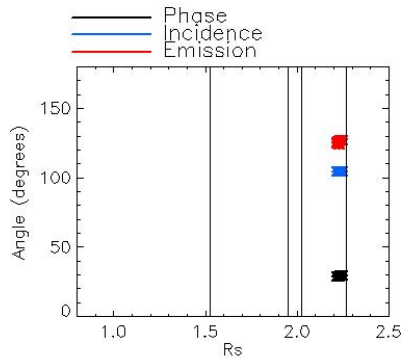
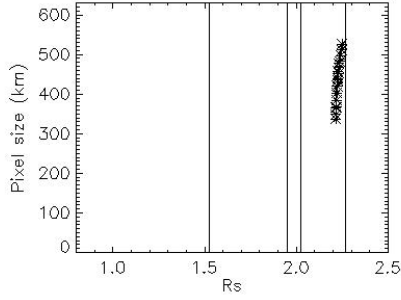
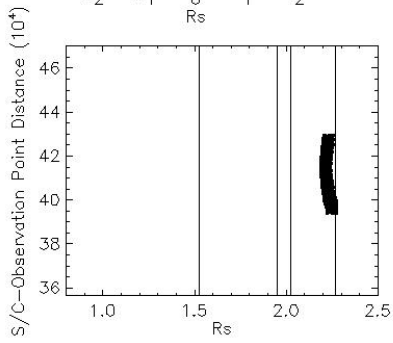


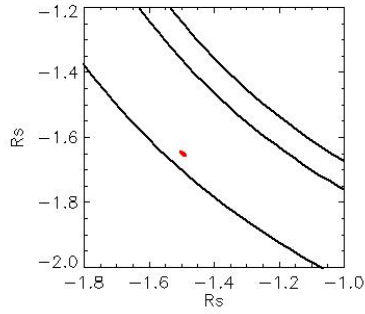
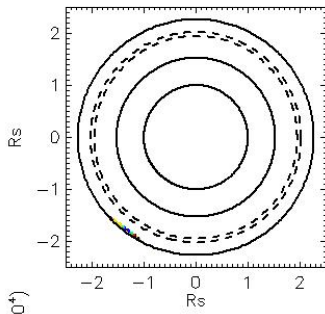
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_43_14

Observation Duration:
32 S

Integration time = 32 S



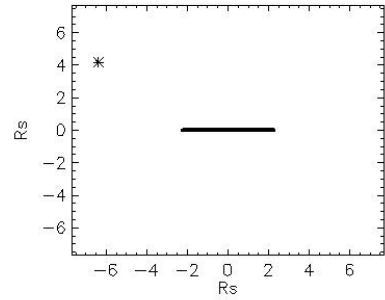
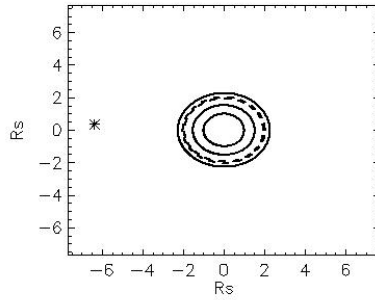
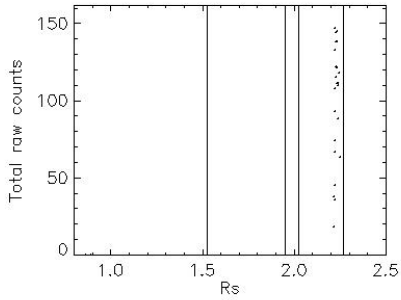
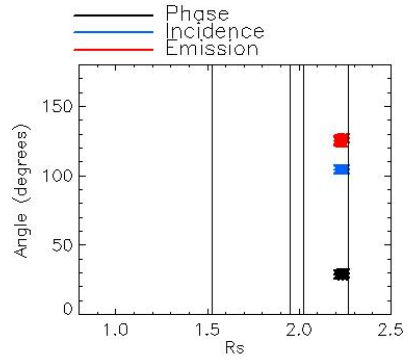
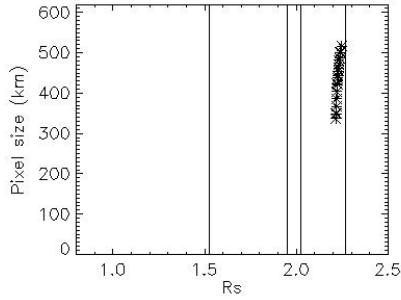
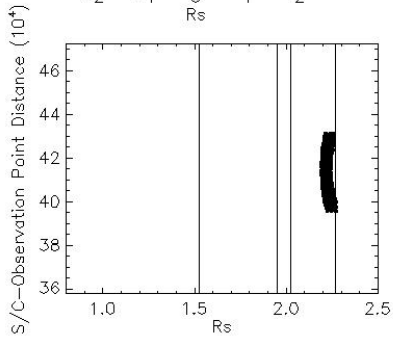


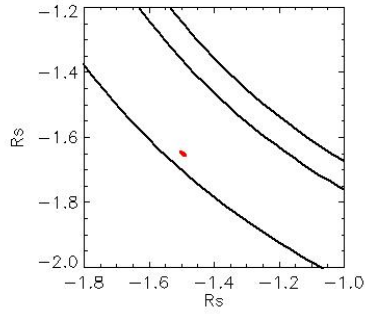
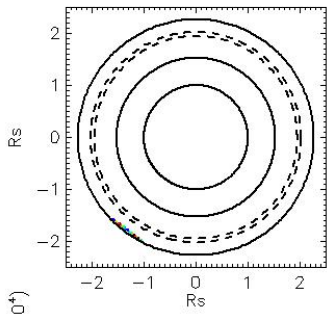
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_44_51

Observation Duration:
32 S

Integration time = 32 S



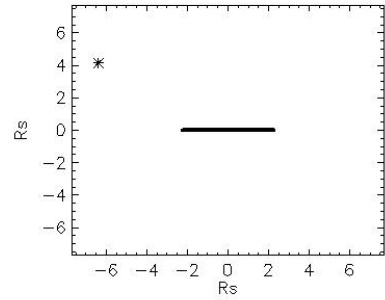
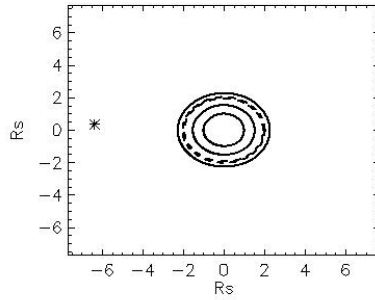
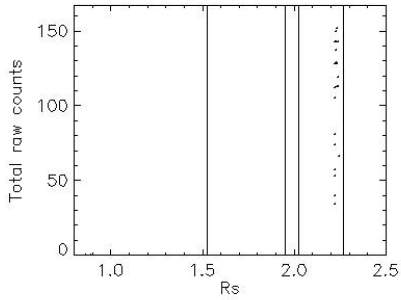
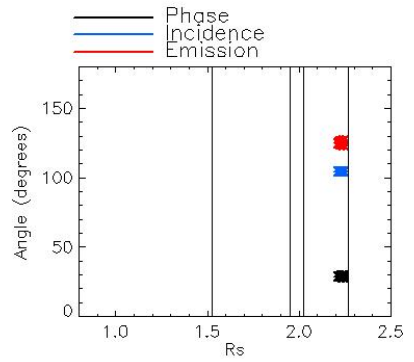
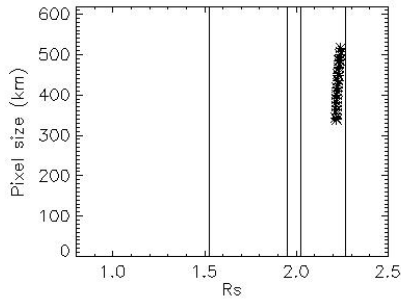
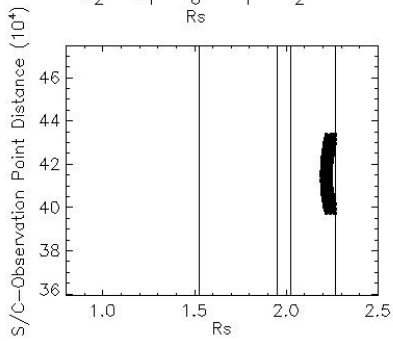


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_46_28

Observation Duration:
32 S

Integration time = 32 S

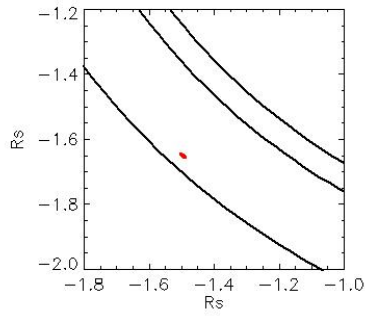
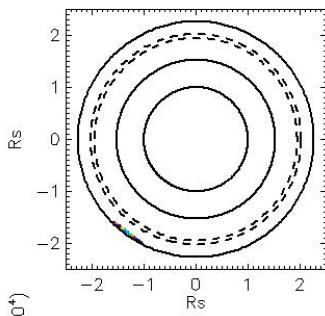


Observation Name:
UMS_035RLAZSCNL0PH001_ISS

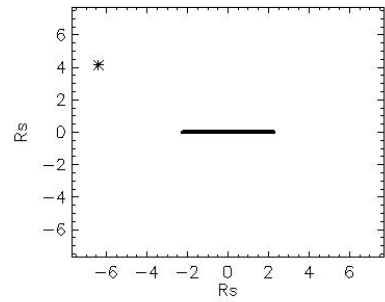
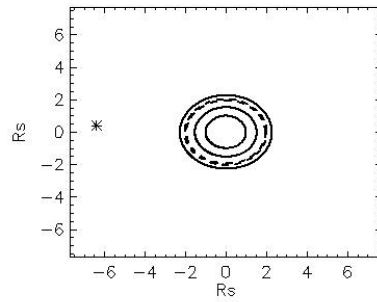
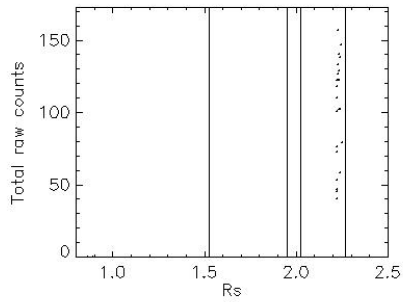
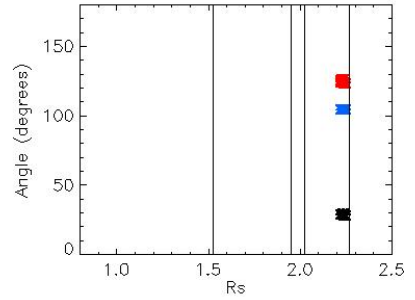
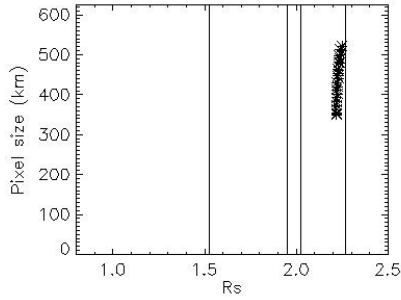
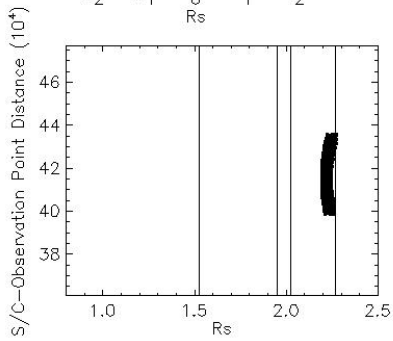
Observation Date:
2006_349_01_48_05

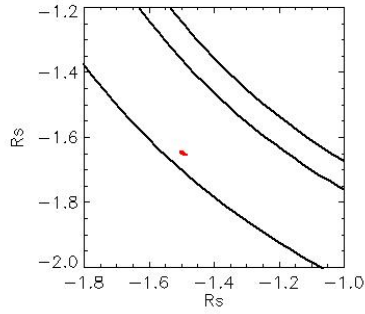
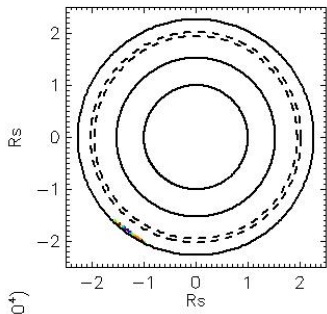
Observation Duration:
32 S

Integration time = 32 S



— Phase
— Incidence
— Emission



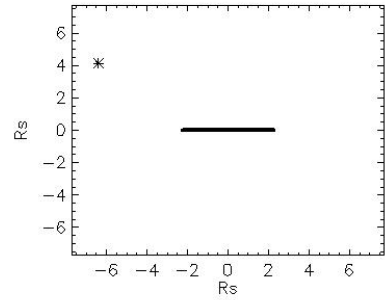
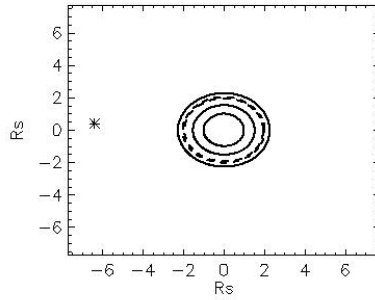
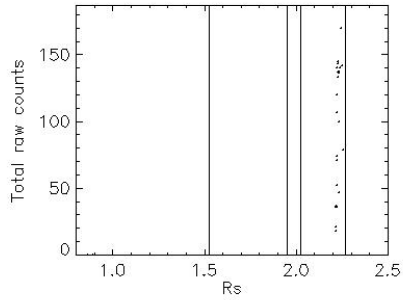
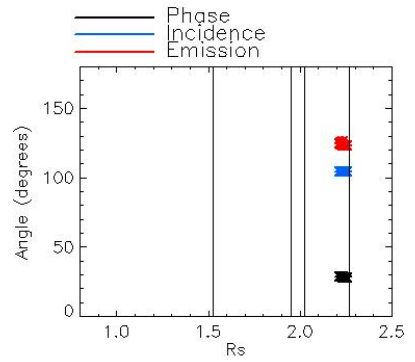
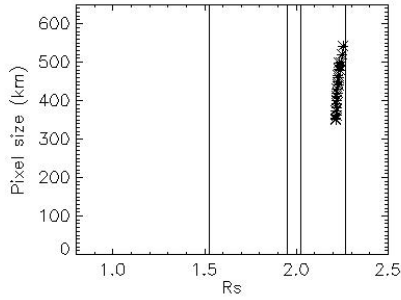
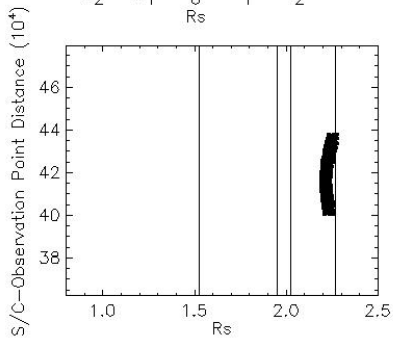


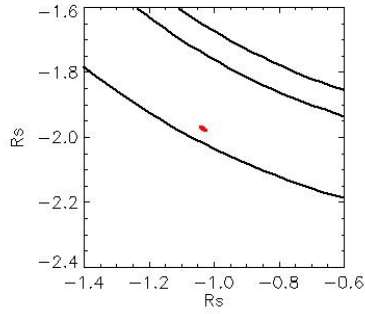
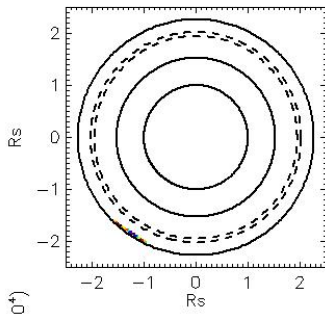
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_49_42

Observation Duration:
32 S

Integration time = 32 S



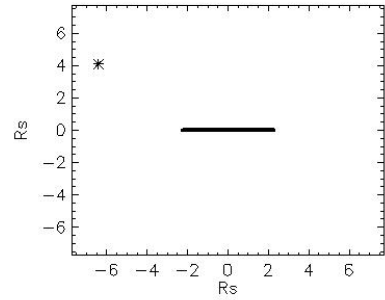
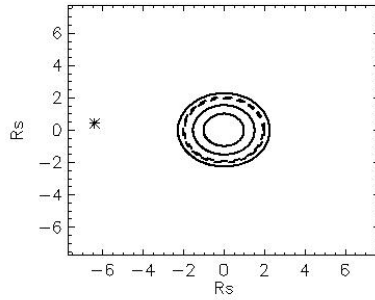
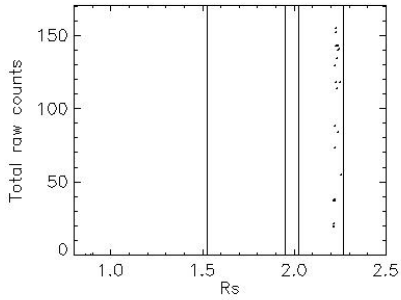
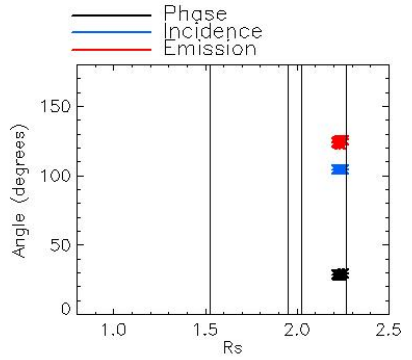
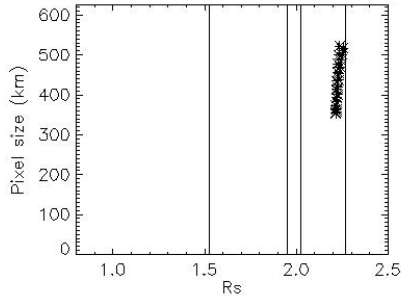
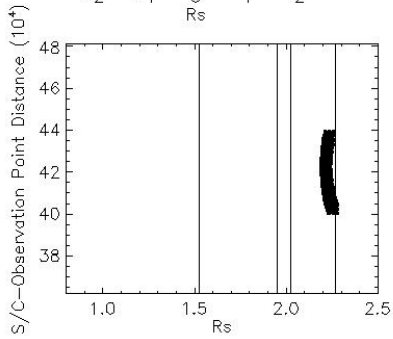


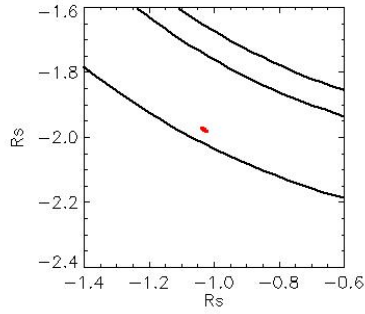
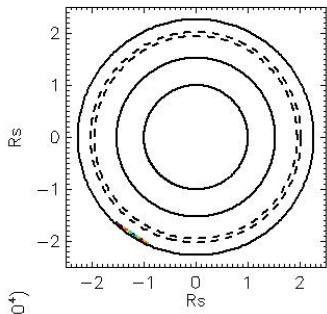
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_53_29

Observation Duration:
32 S

Integration time = 32 S



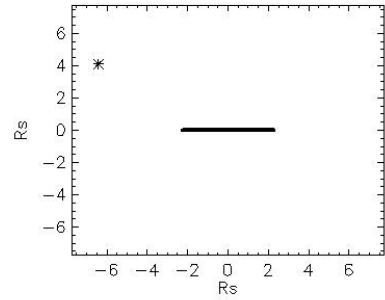
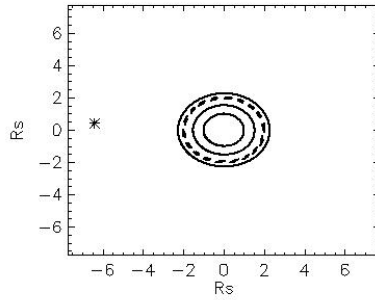
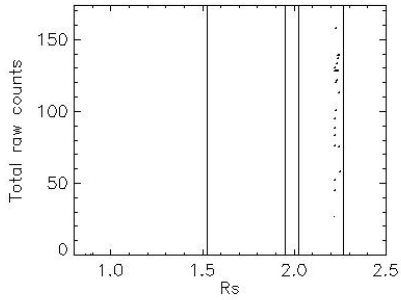
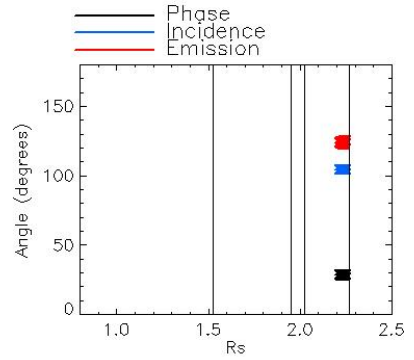
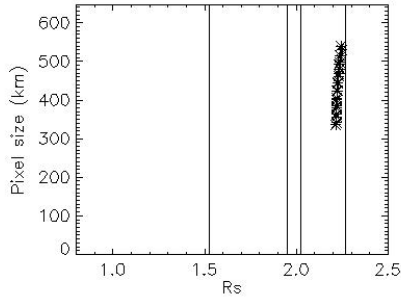
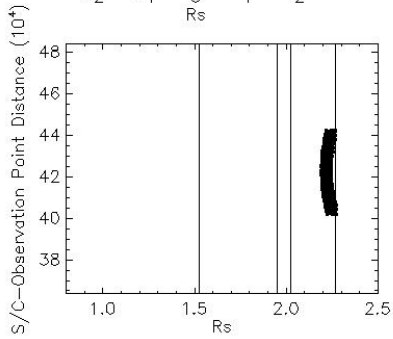


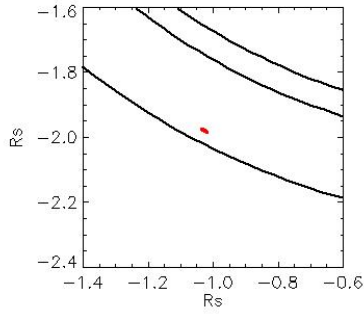
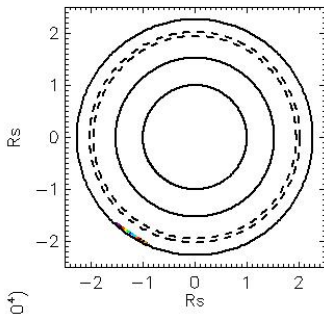
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_55_06

Observation Duration:
32 S

Integration time = 32 S



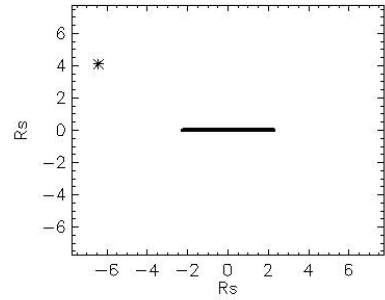
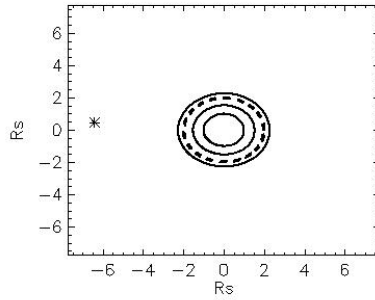
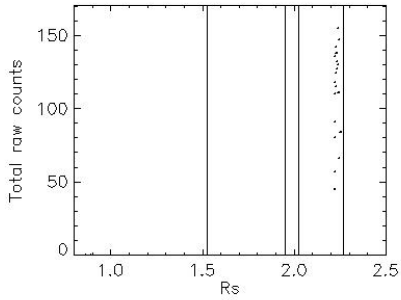
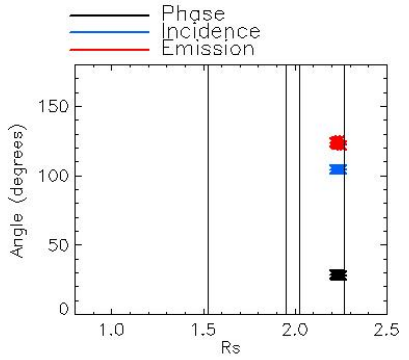
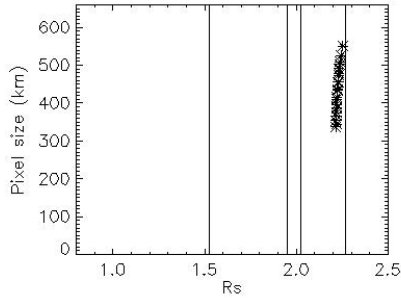
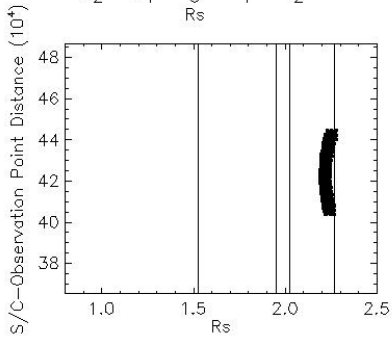


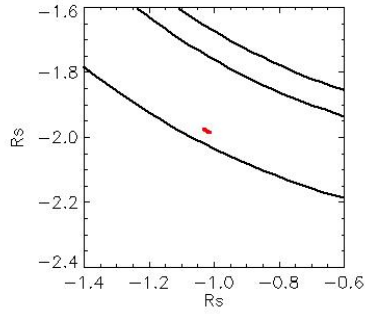
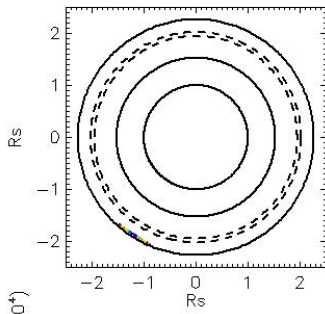
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_01_56_43

Observation Duration:
32 S

Integration time = 32 S



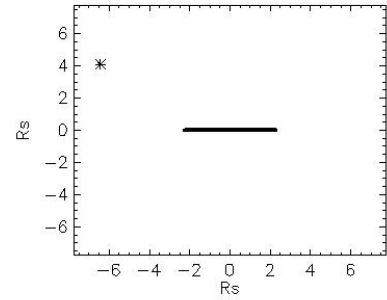
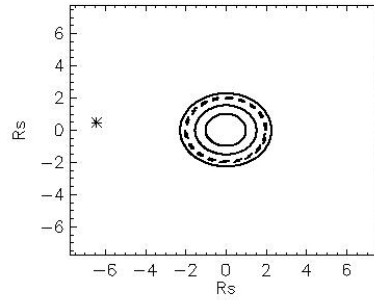
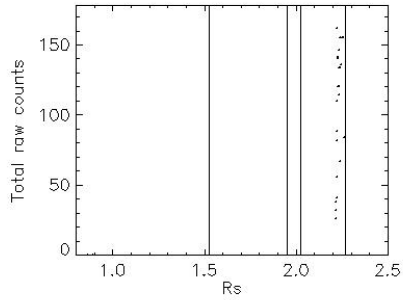
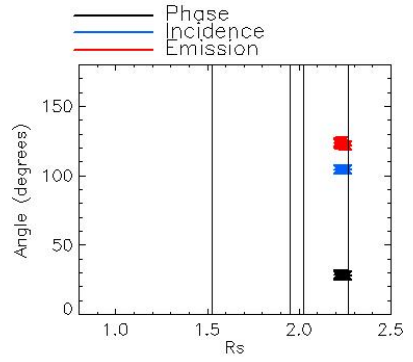
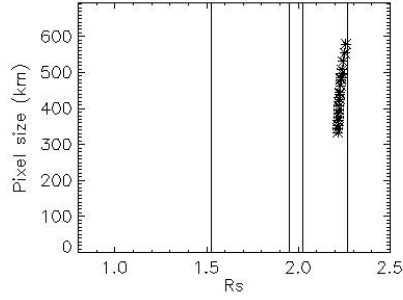
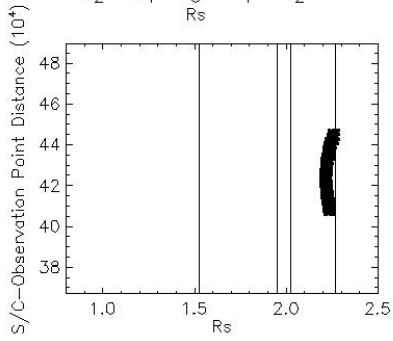


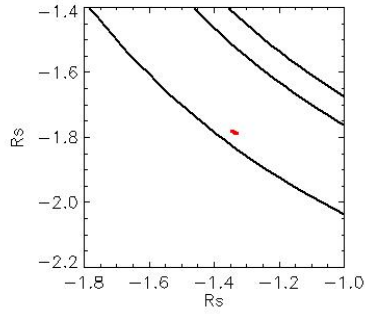
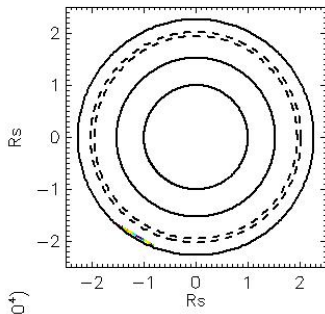
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_349_01_58_20

Observation Duration:
32 S

Integration time = 32 S



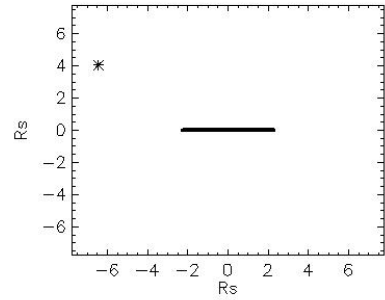
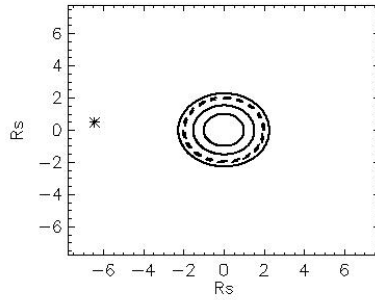
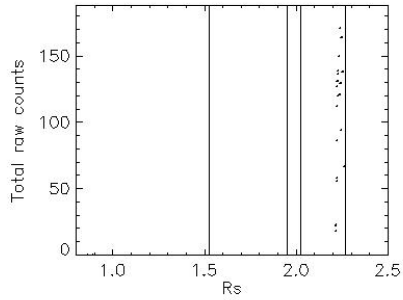
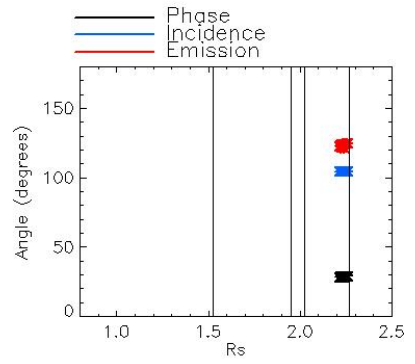
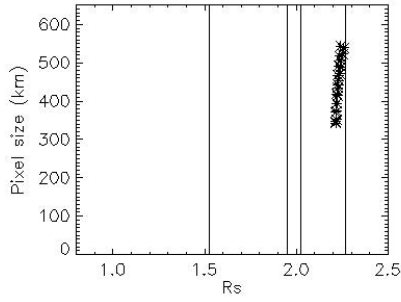
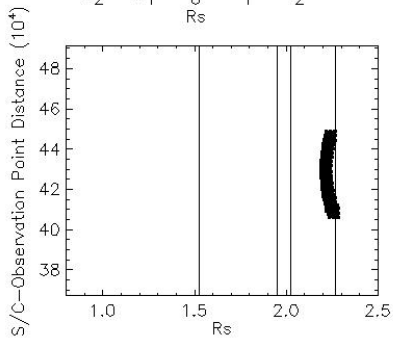


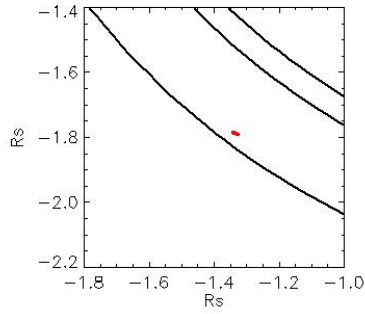
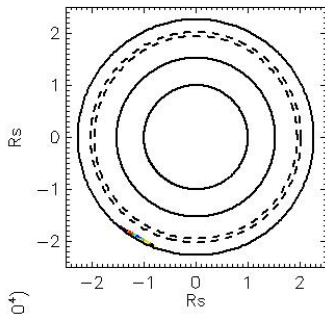
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_02_04

Observation Duration:
32 S

Integration time = 32 S



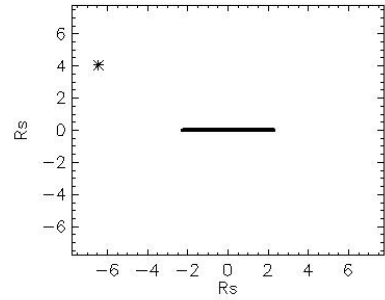
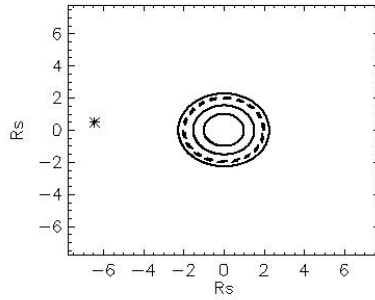
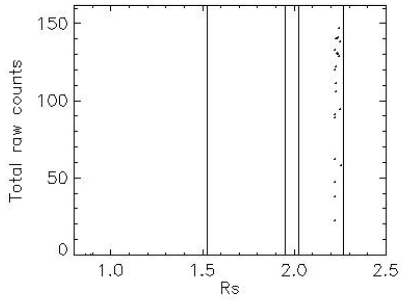
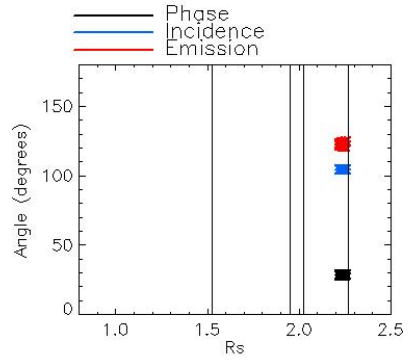
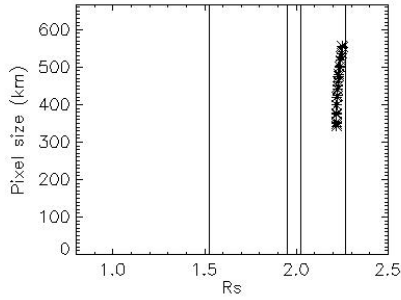
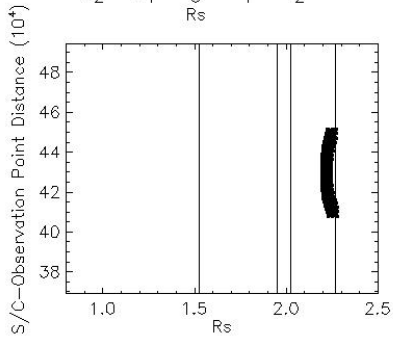


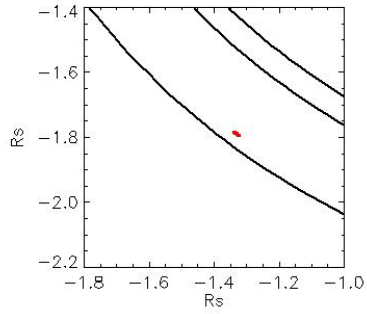
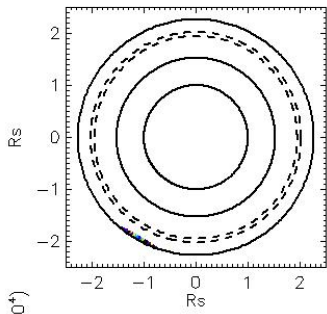
Observation Name:
UWS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_03_41

Observation Duration:
32 S

Integration time = 32 S



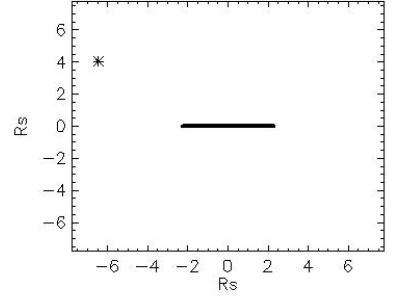
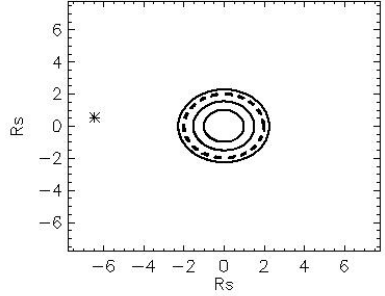
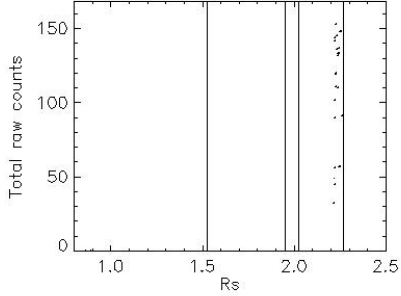
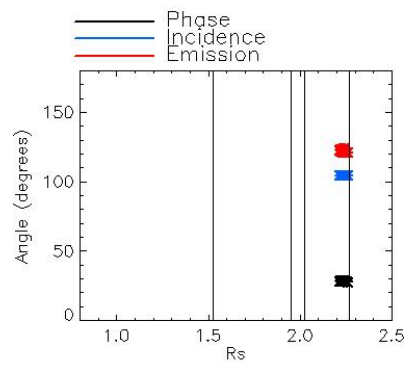
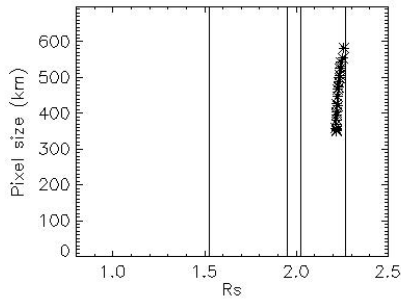
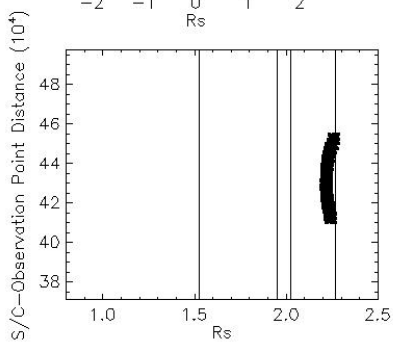


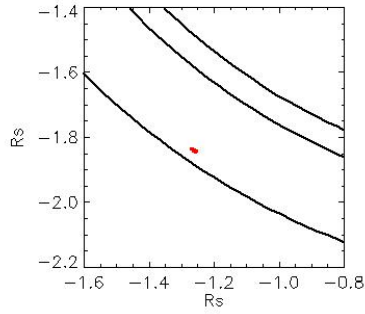
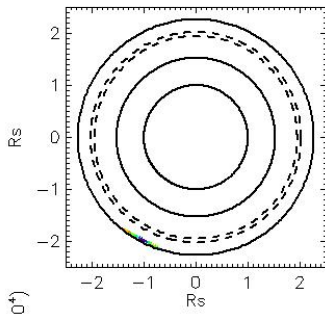
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_05_18

Observation Duration:
32 S

Integration time = 32 S



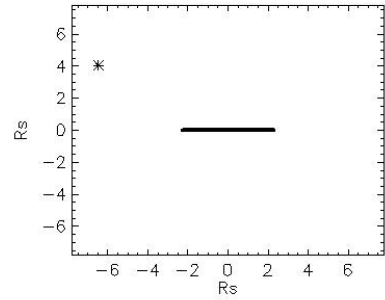
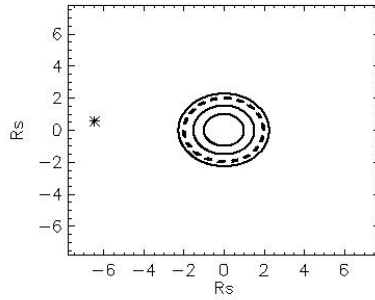
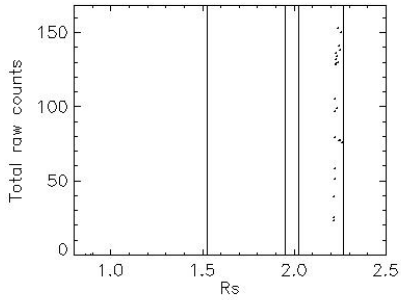
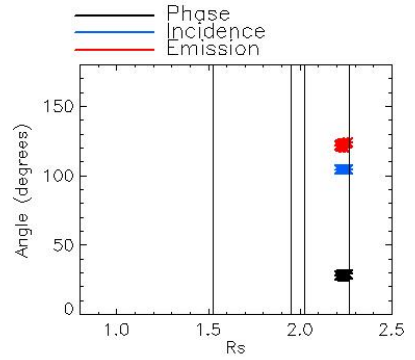
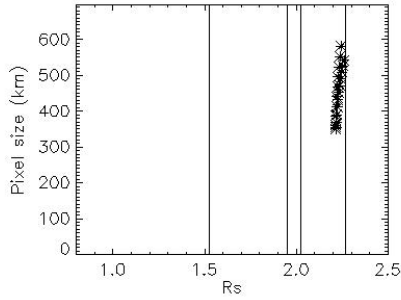
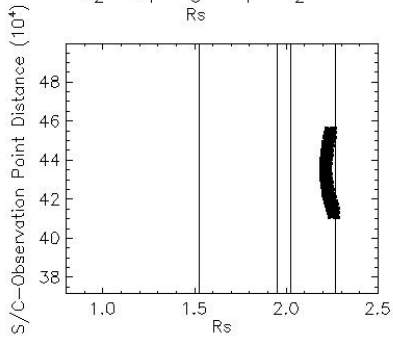


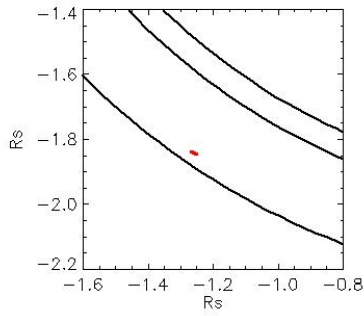
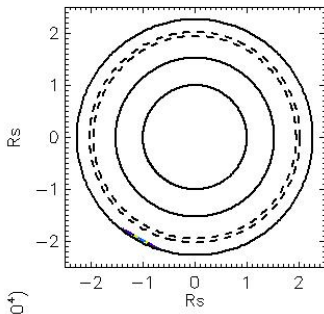
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_08_50

Observation Duration:
32 S

Integration time = 32 S



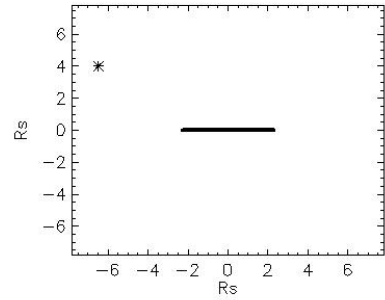
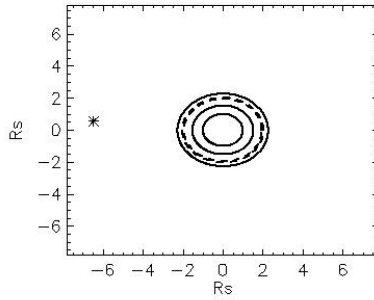
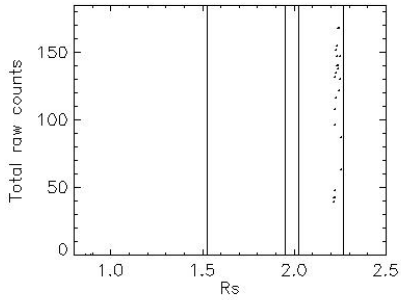
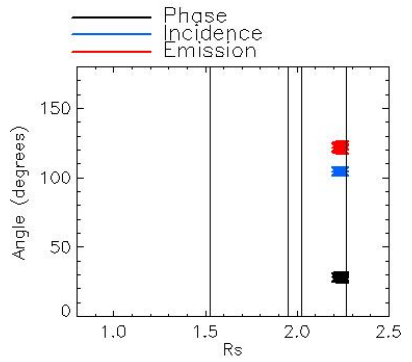
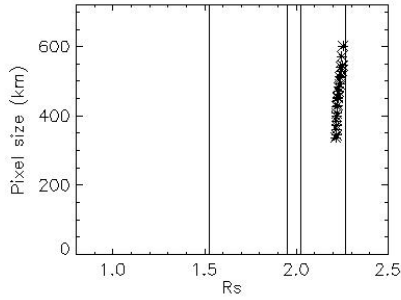
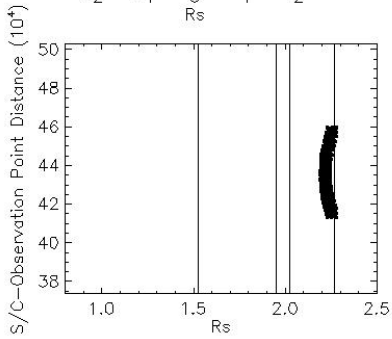


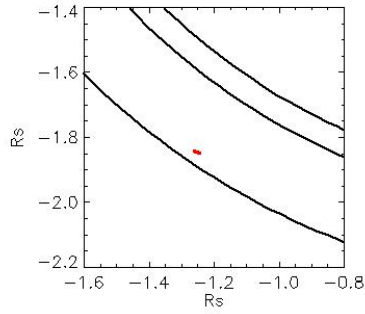
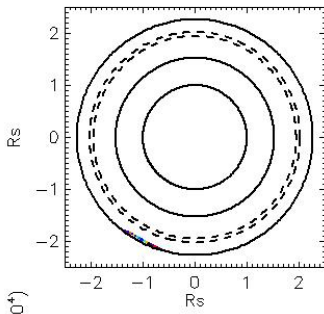
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_10_27

Observation Duration:
32 S

Integration time = 32 S



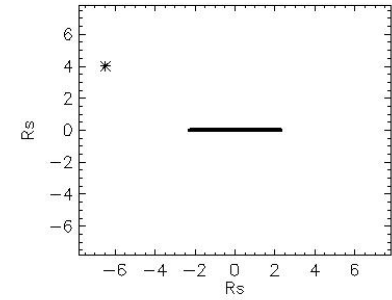
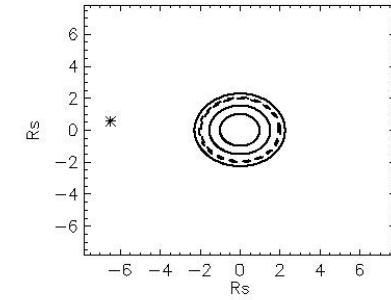
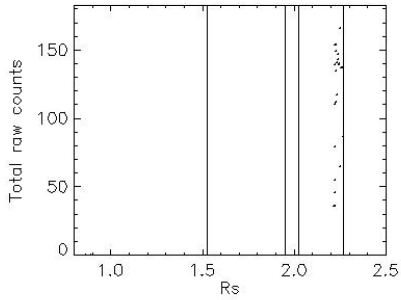
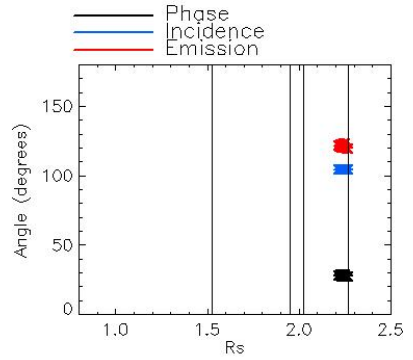
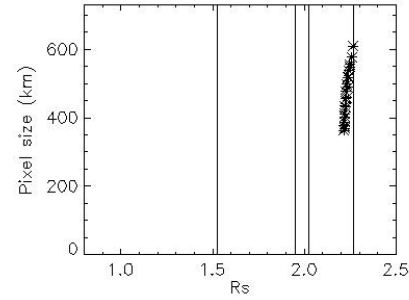
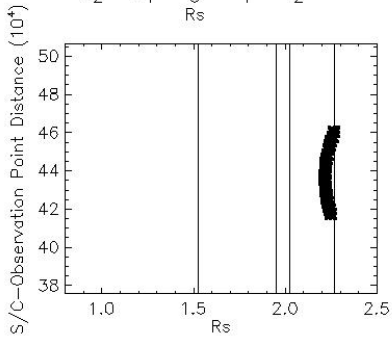


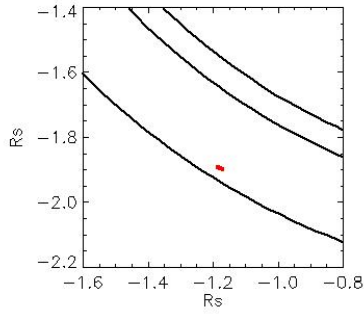
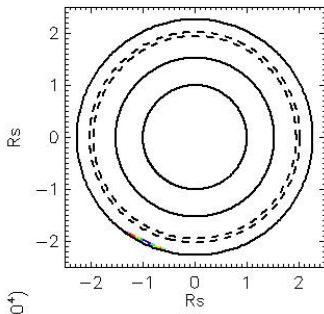
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_12_04

Observation Duration:
32 S

Integration time = 32 S



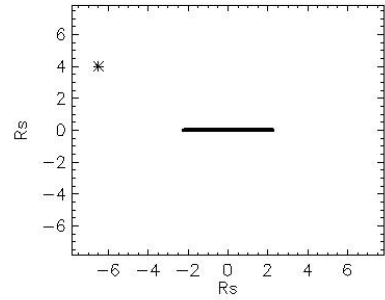
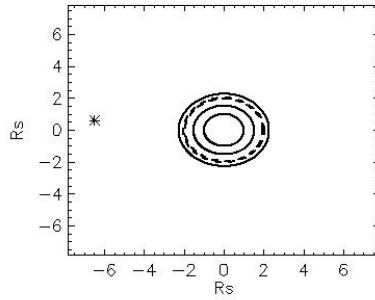
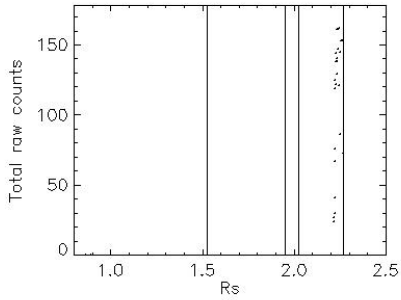
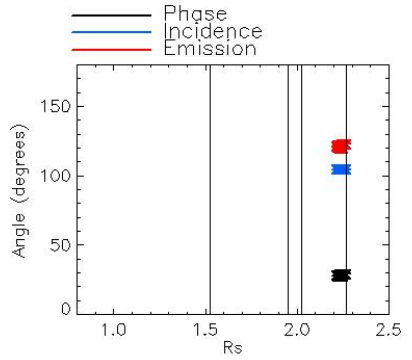
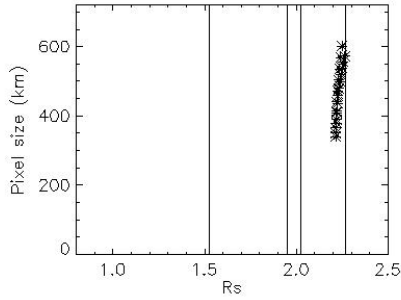
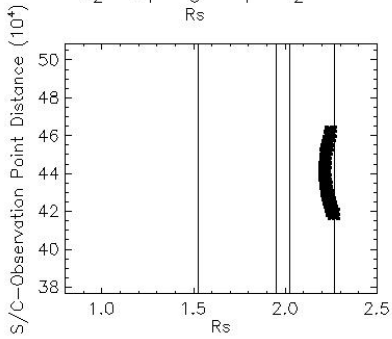


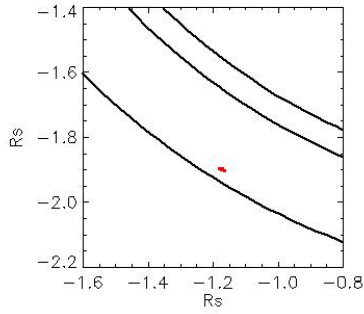
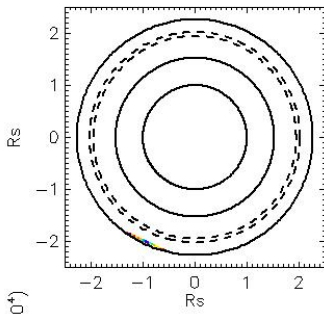
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_15_47

Observation Duration:
32 S

Integration time = 32 S



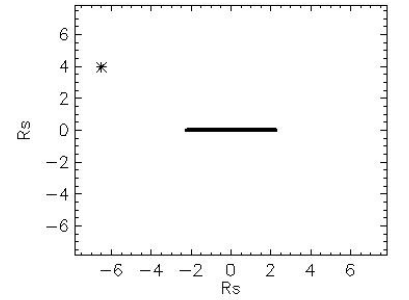
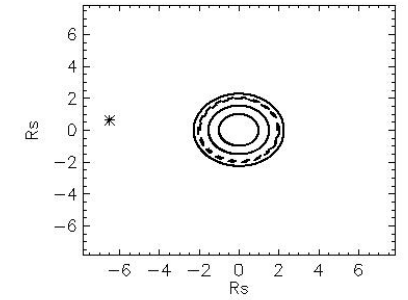
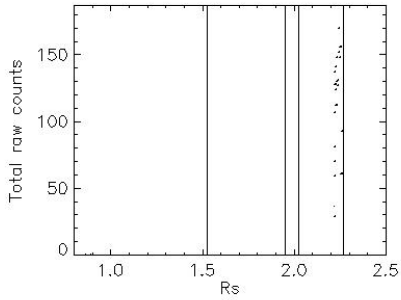
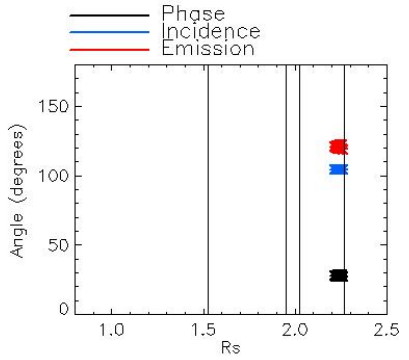
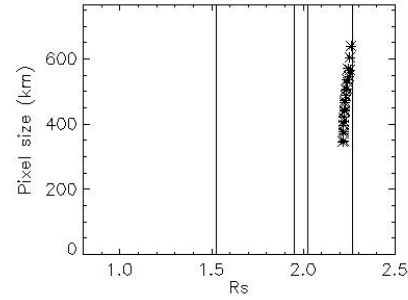
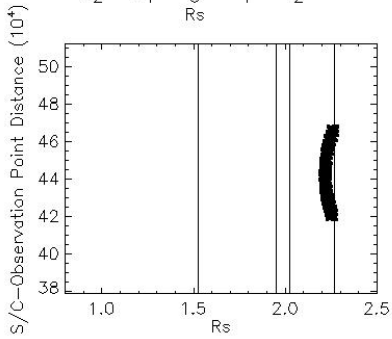


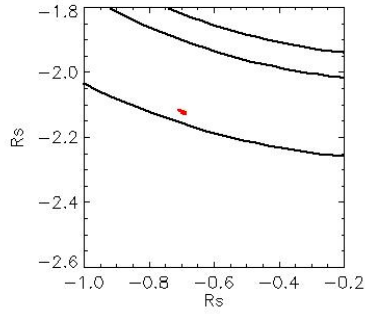
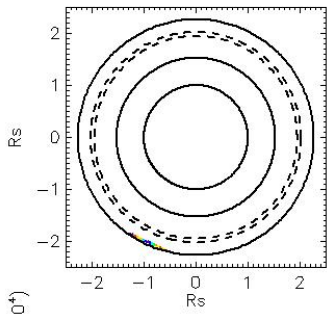
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_17_24

Observation Duration:
32 S

Integration time = 32 S



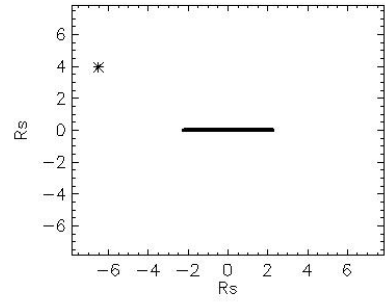
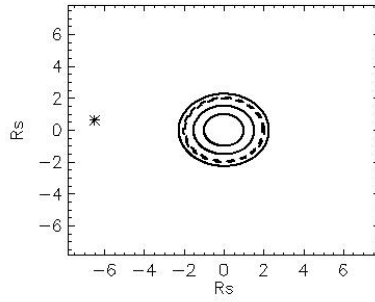
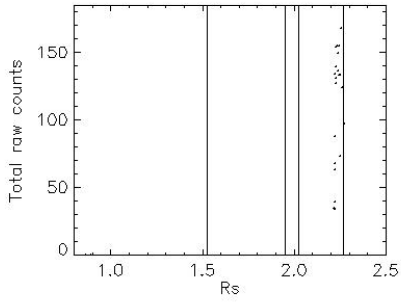
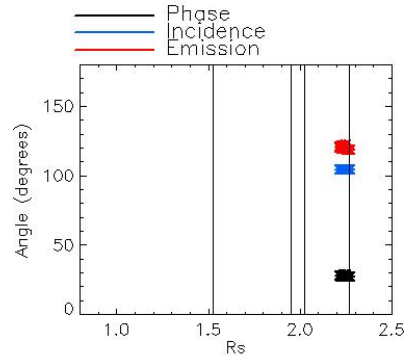
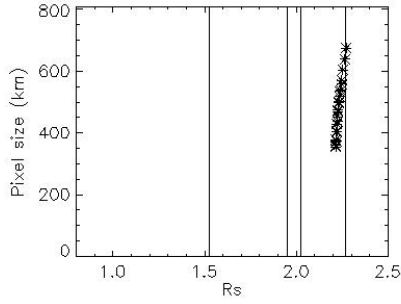
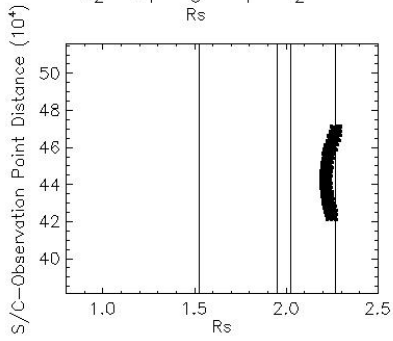


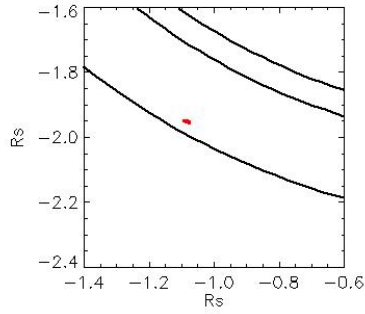
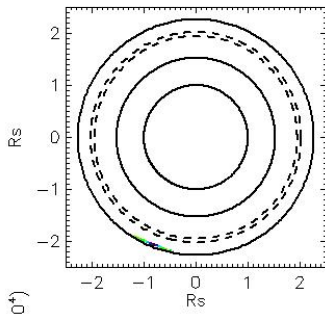
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_19_01

Observation Duration:
32 S

Integration time = 32 S



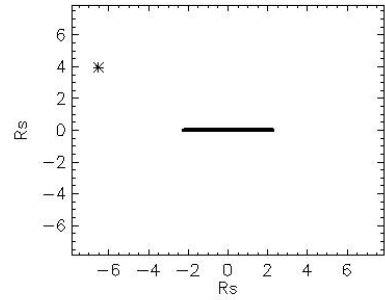
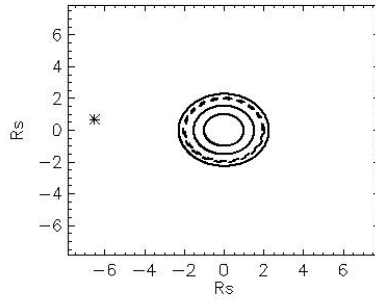
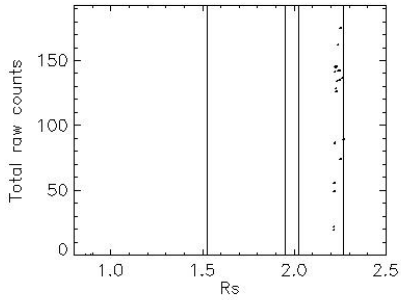
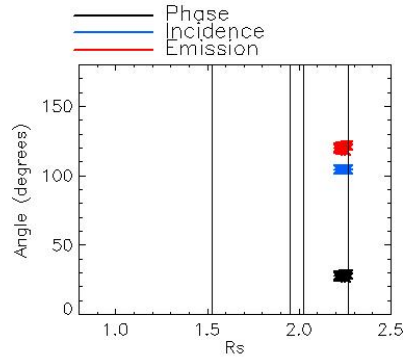
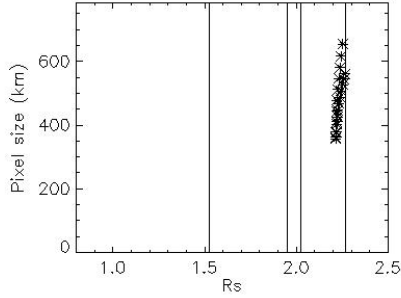
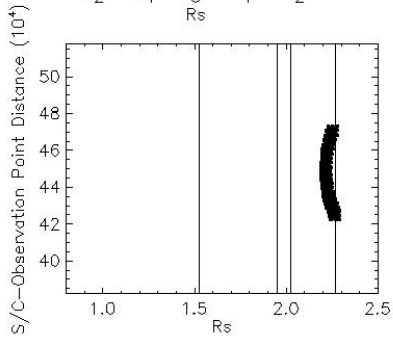


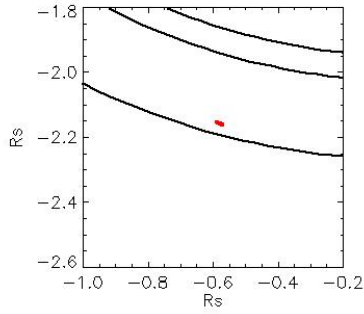
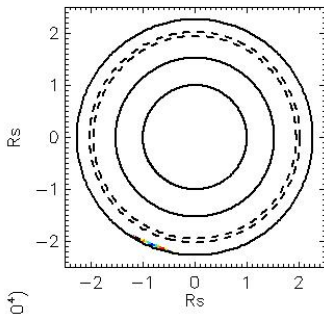
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_22_54

Observation Duration:
32 S

Integration time = 32 S



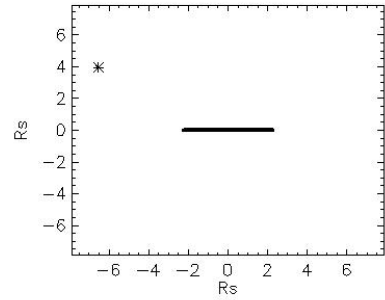
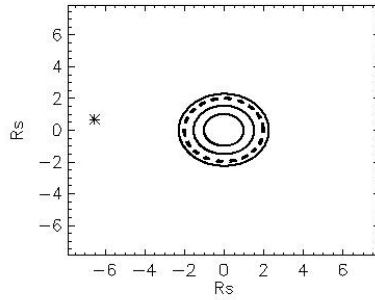
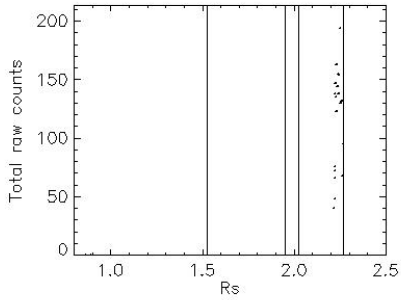
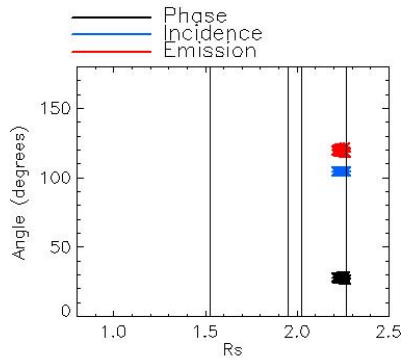
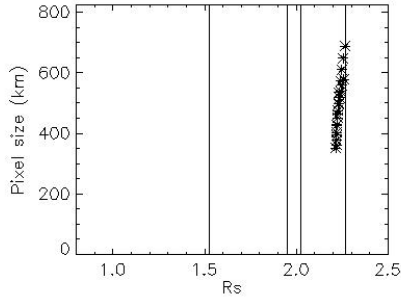
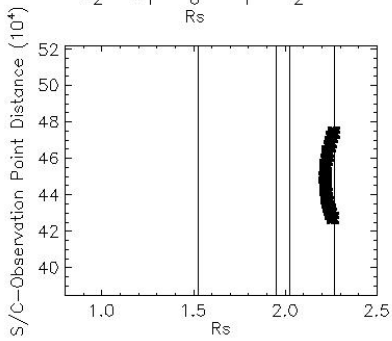


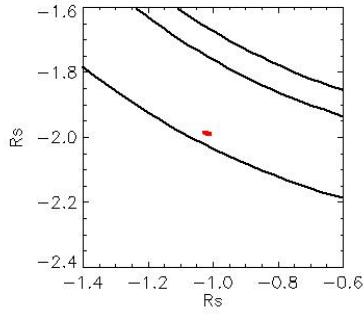
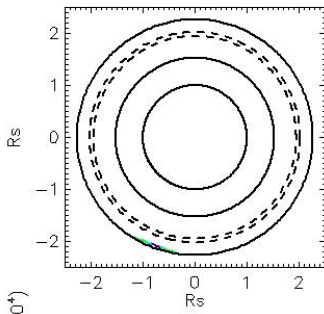
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_24_31

Observation Duration:
32 S

Integration time = 32 S



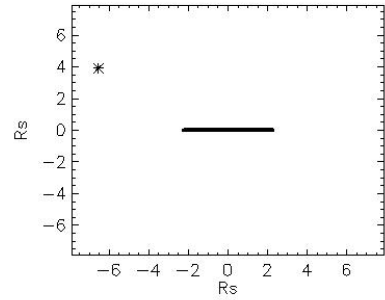
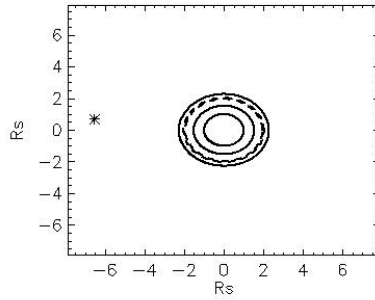
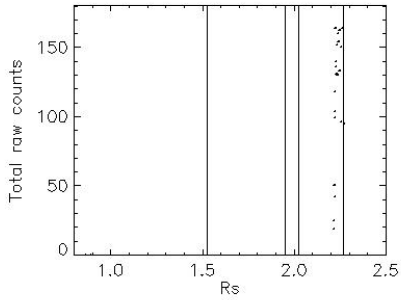
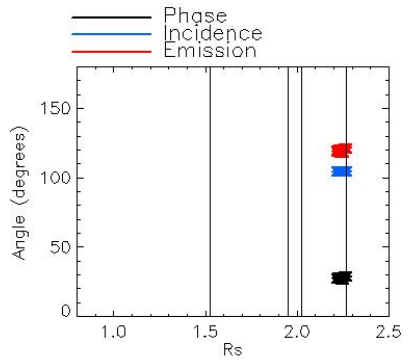
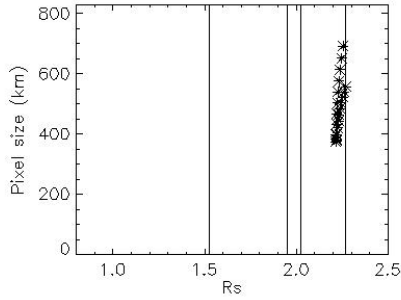
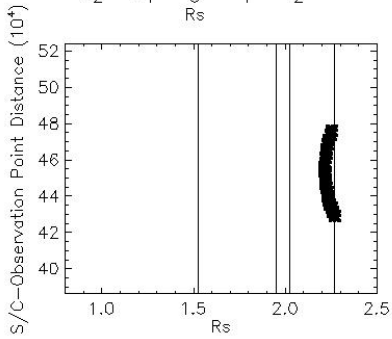


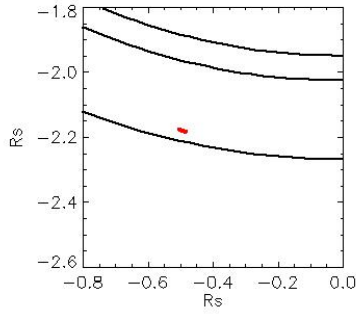
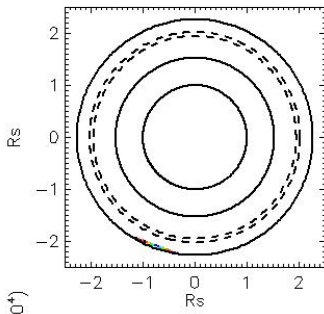
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_27_53

Observation Duration:
32 S

Integration time = 32 S



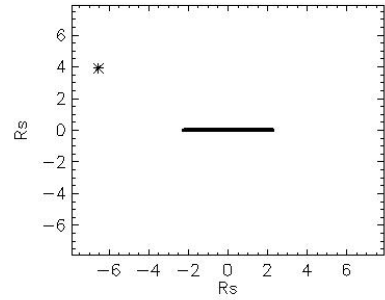
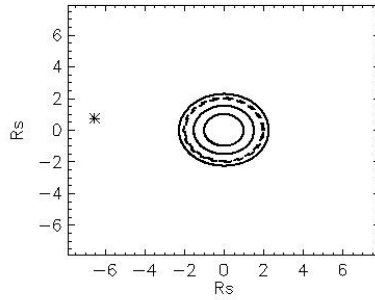
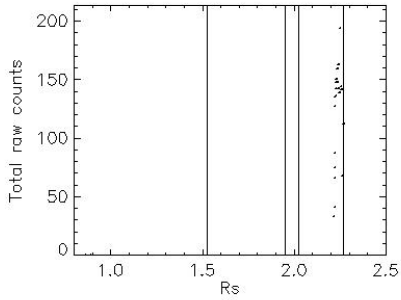
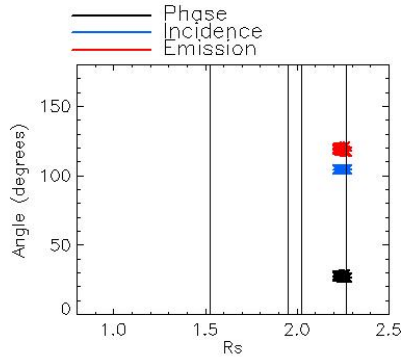
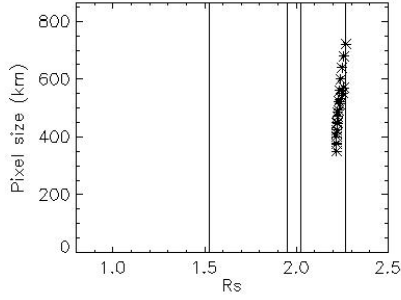
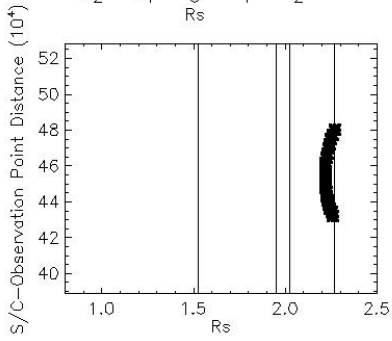


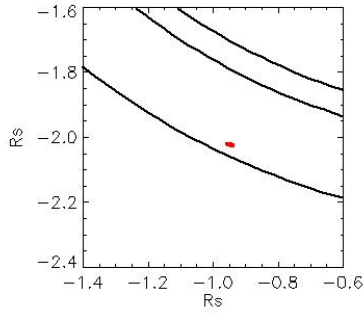
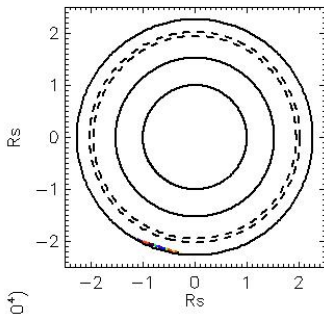
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_29_30

Observation Duration:
32 S

Integration time = 32 S



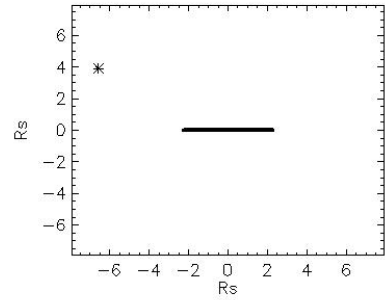
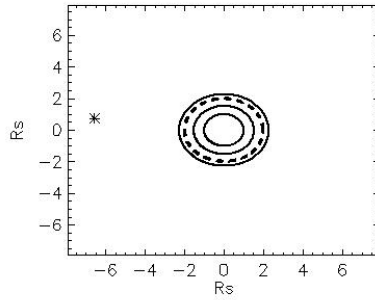
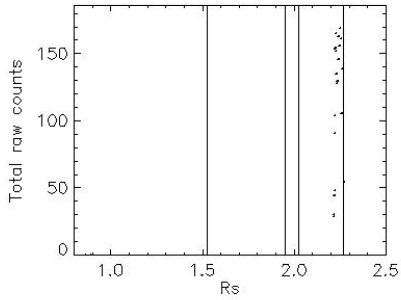
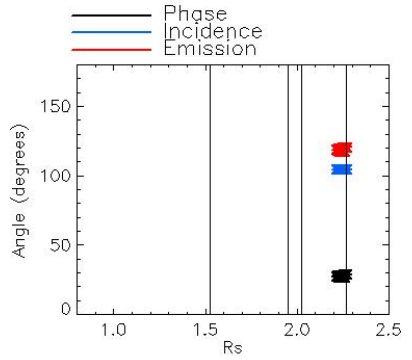
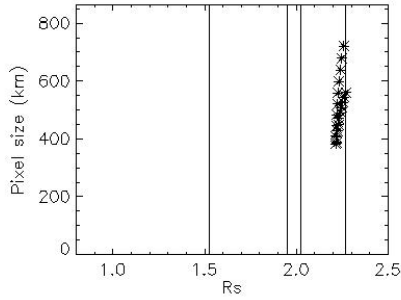
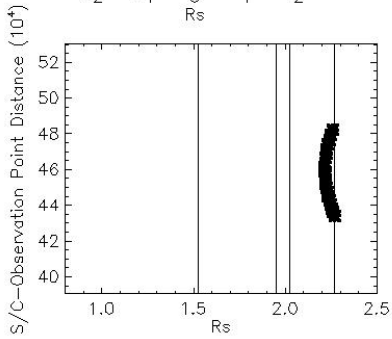


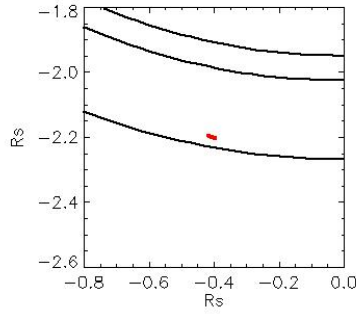
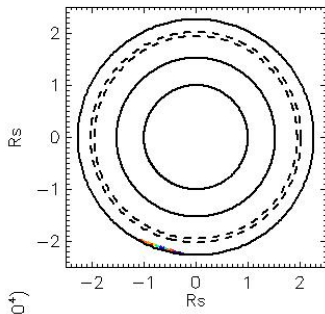
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_32_55

Observation Duration:
32 S

Integration time = 32 S



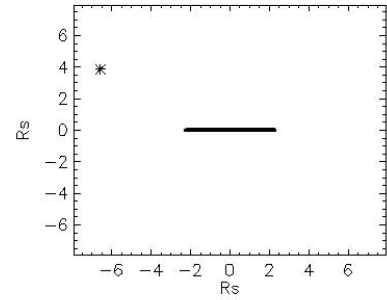
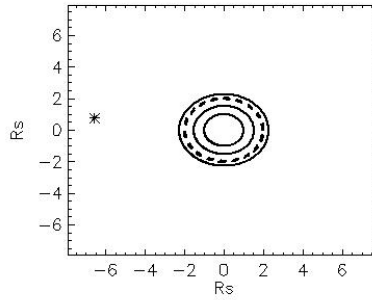
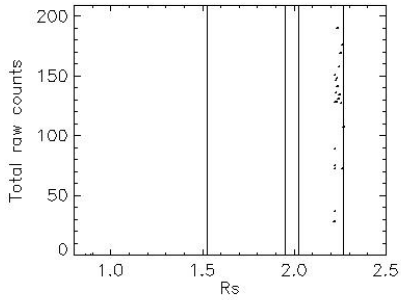
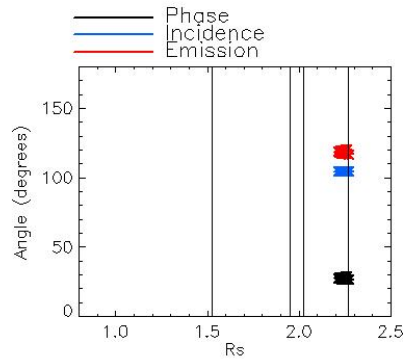
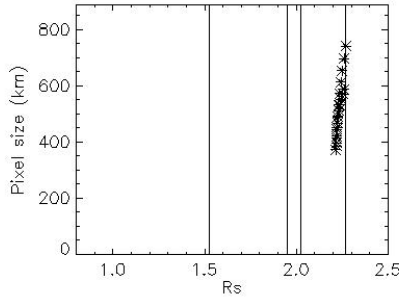
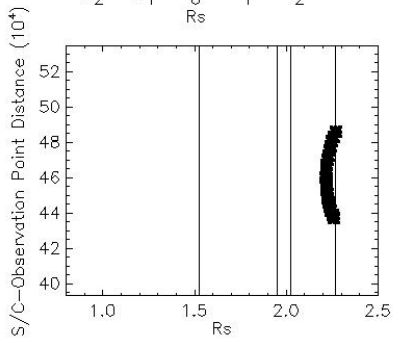


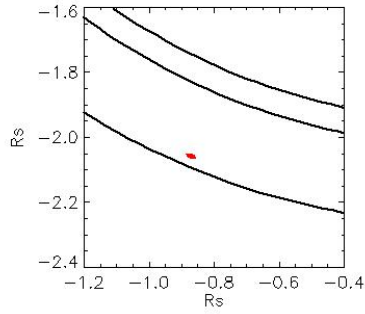
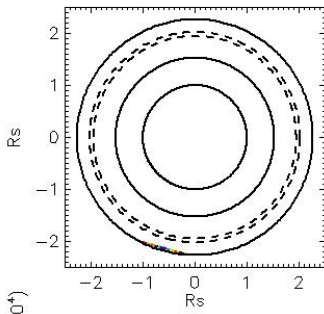
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_34_32

Observation Duration:
32 S

Integration time = 32 S



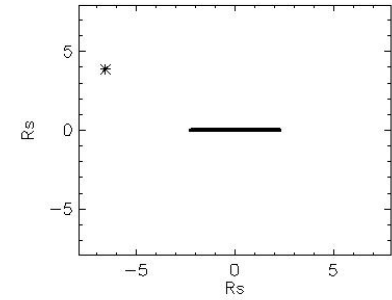
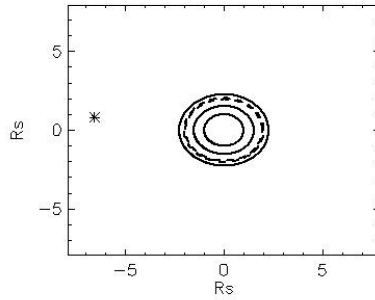
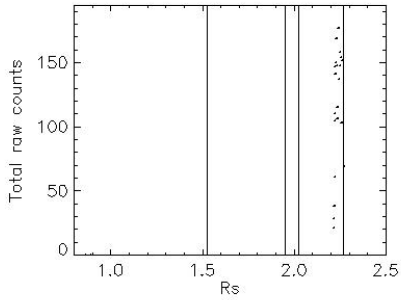
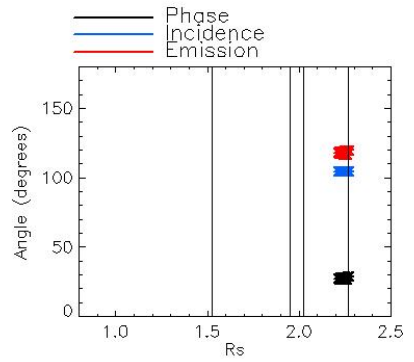
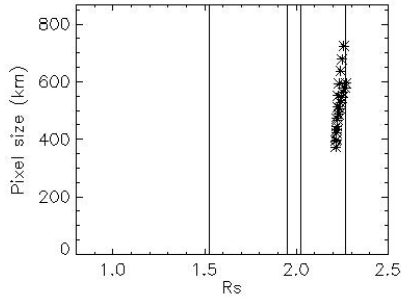
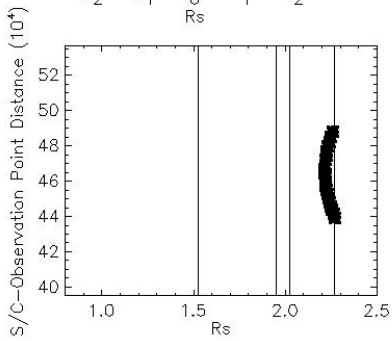


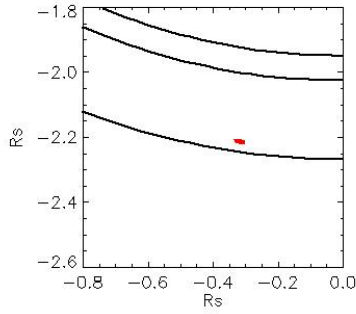
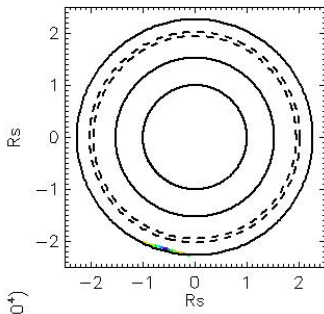
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_37_58

Observation Duration:
32 S

Integration time = 32 S



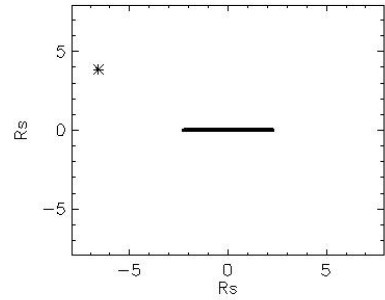
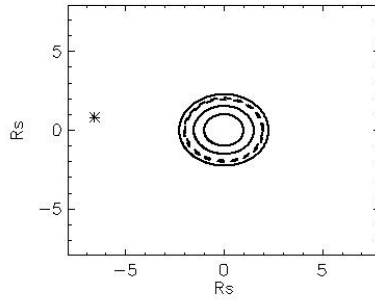
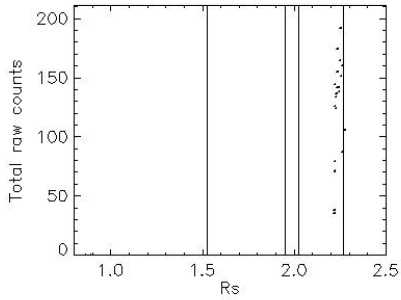
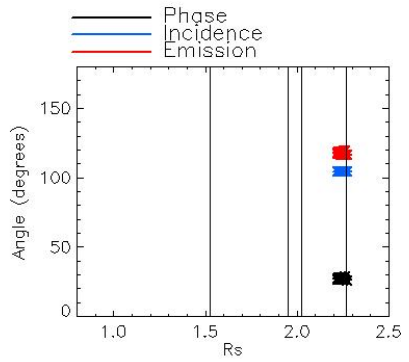
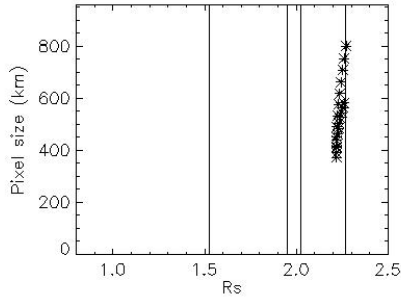
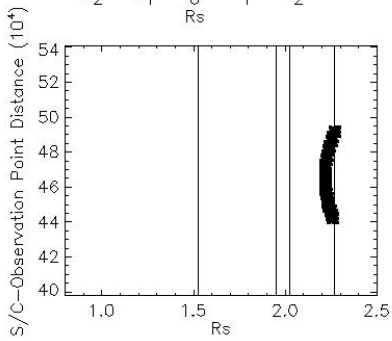


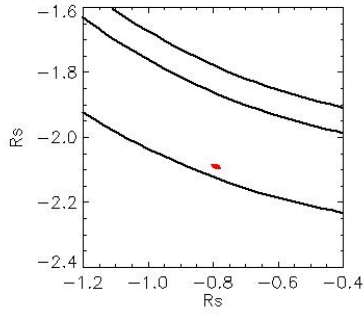
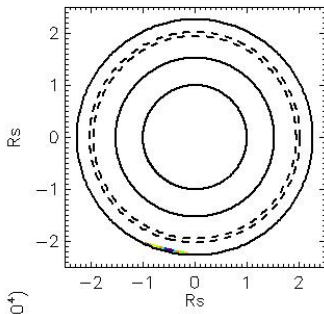
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_39_35

Observation Duration:
32 S

Integration time = 32 S



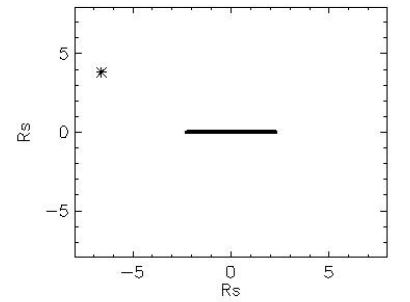
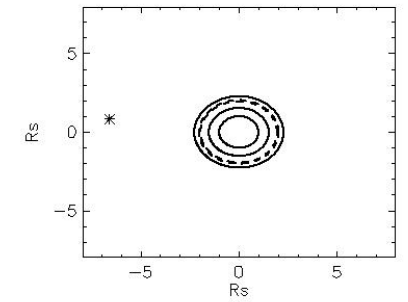
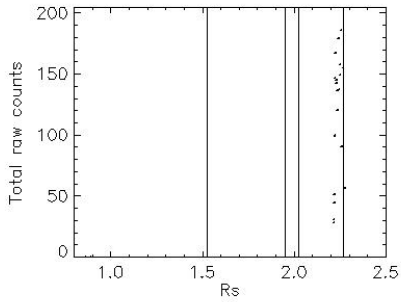
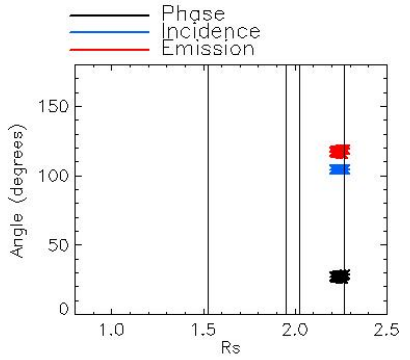
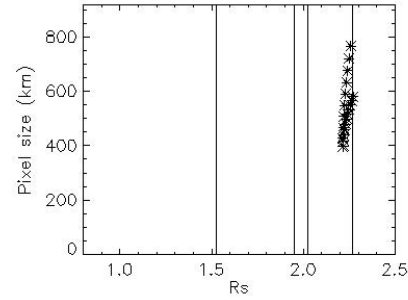
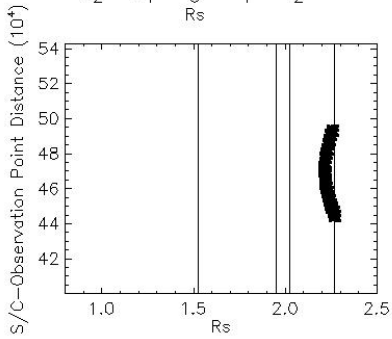


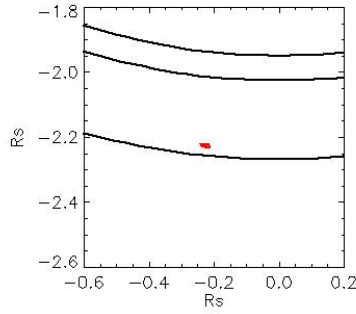
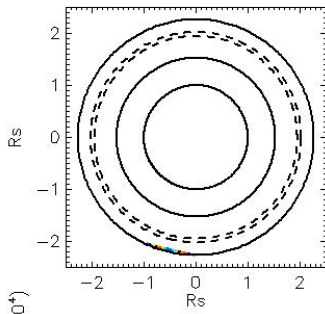
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_43_01

Observation Duration:
32 S

Integration time = 32 S



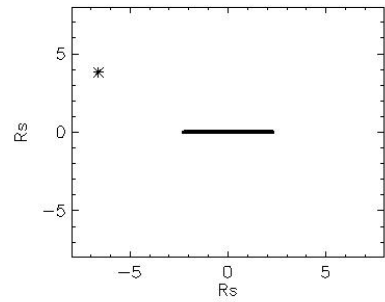
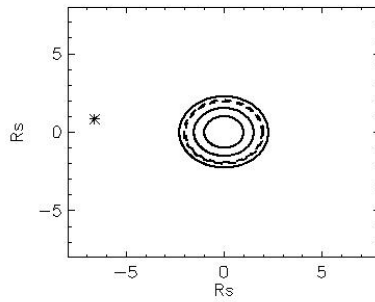
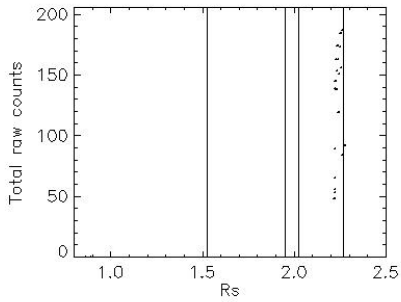
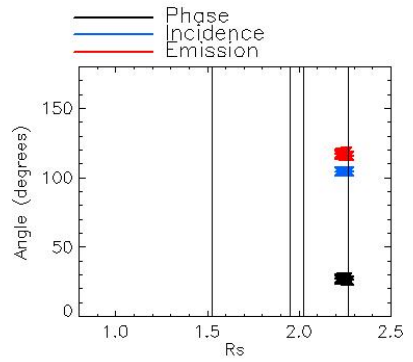
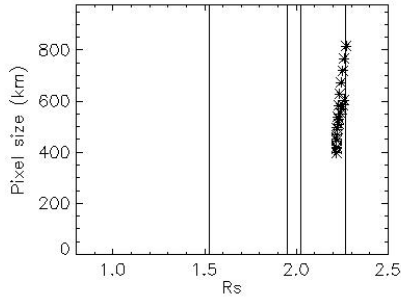
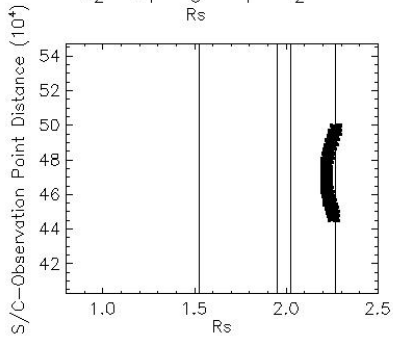


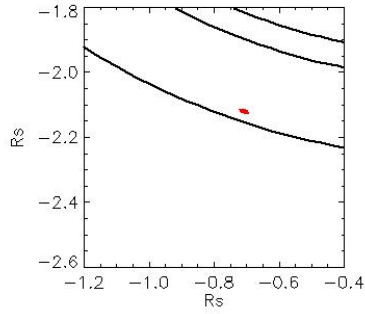
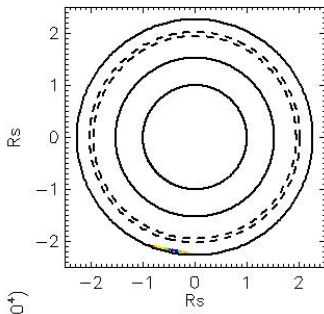
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_44_38

Observation Duration:
32 S

Integration time = 32 S



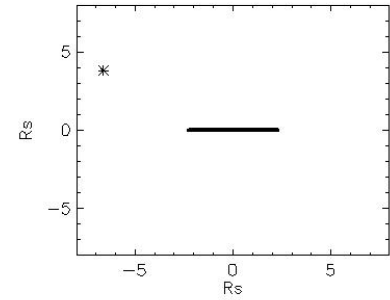
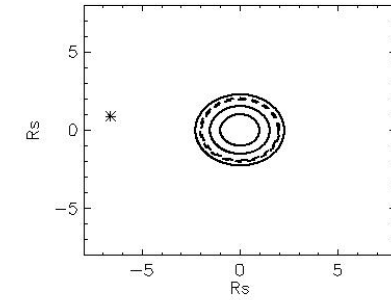
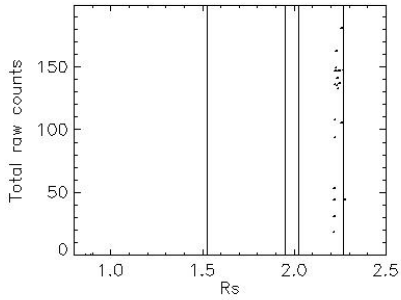
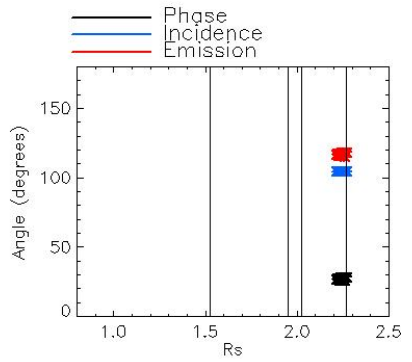
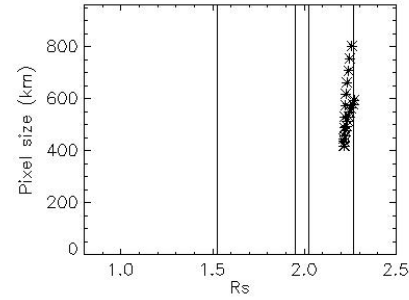
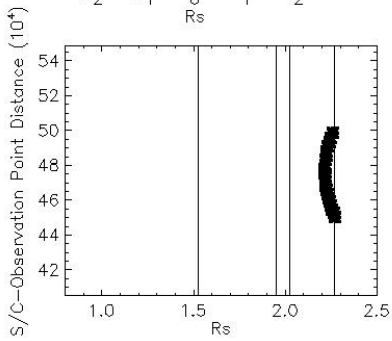


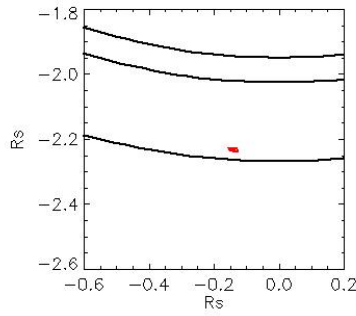
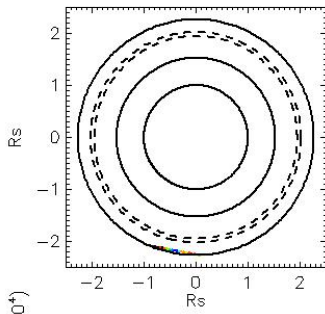
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_48_03

Observation Duration:
32 S

Integration time = 32 S



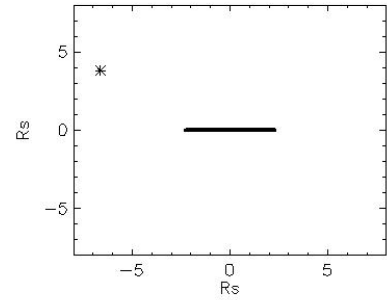
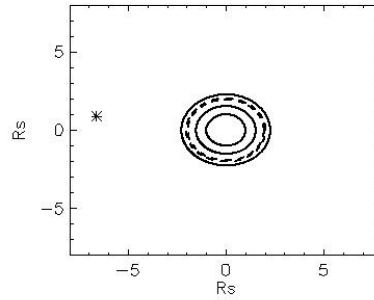
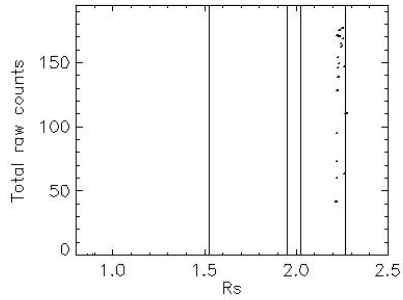
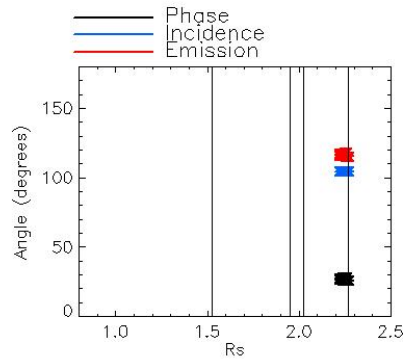
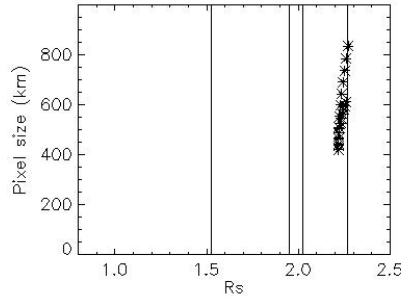
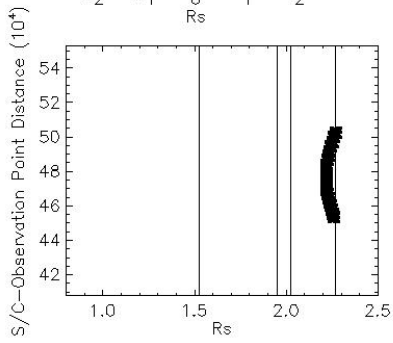


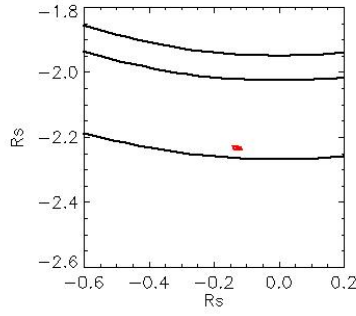
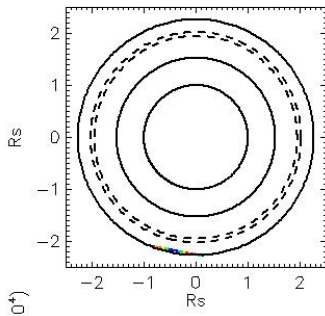
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_49_40

Observation Duration:
32 S

Integration time = 32 S



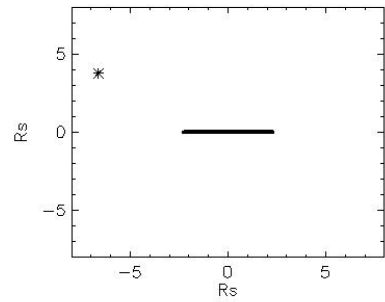
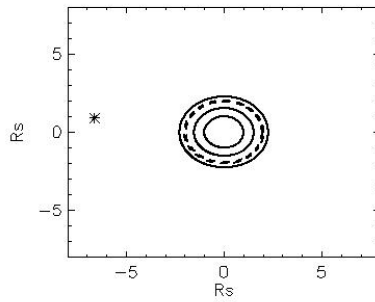
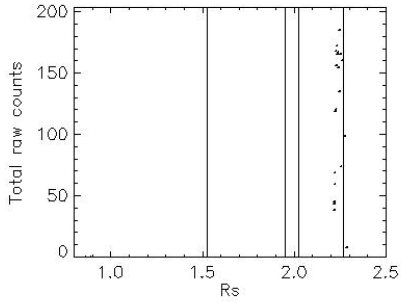
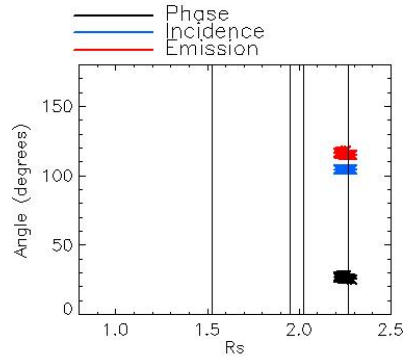
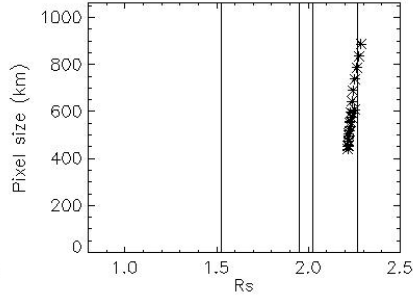
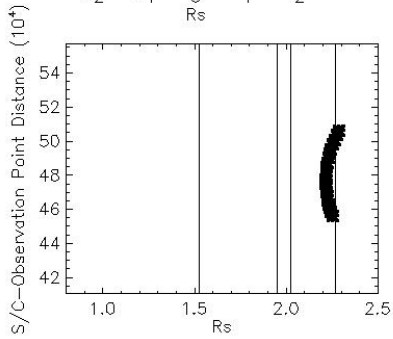


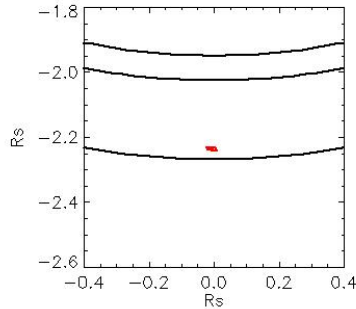
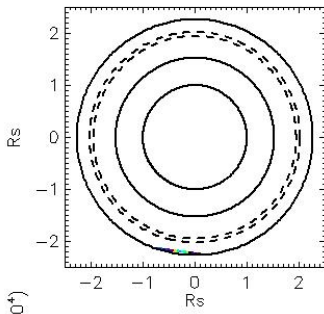
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_51_17

Observation Duration:
32 S

Integration time = 32 S



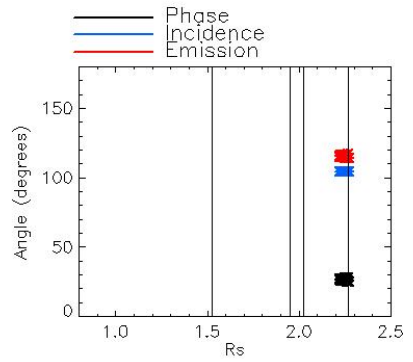
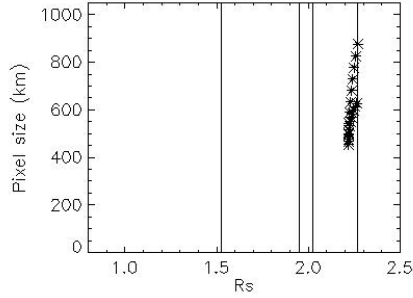
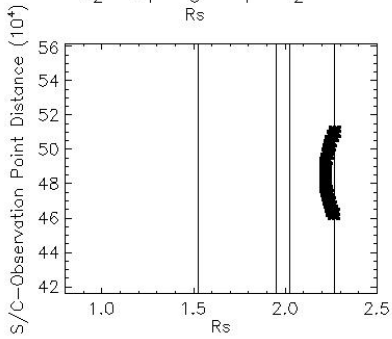


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

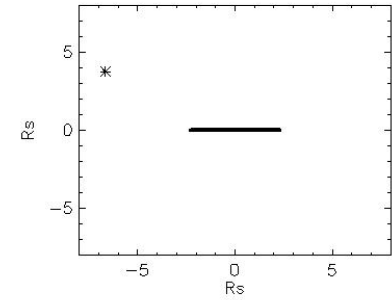
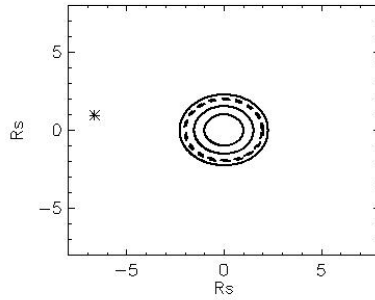
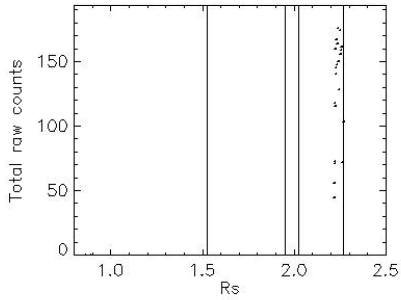
Observation Date:
2006_349_02_56_52

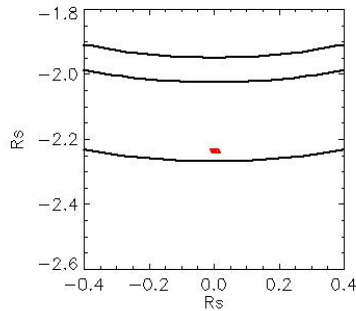
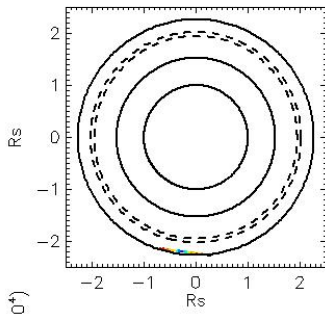
Observation Duration:
32 S

Integration time = 32 S



— Phase
— Incidence
— Emission



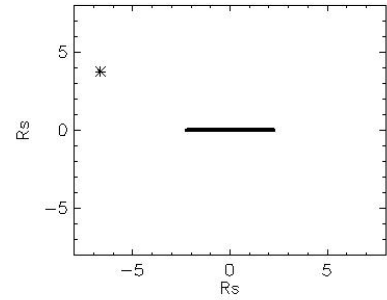
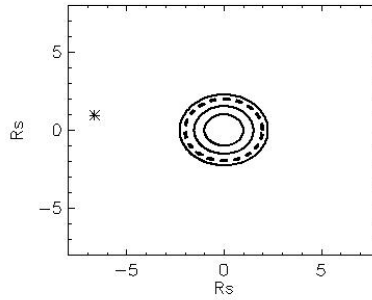
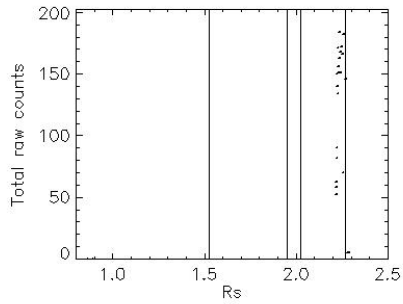
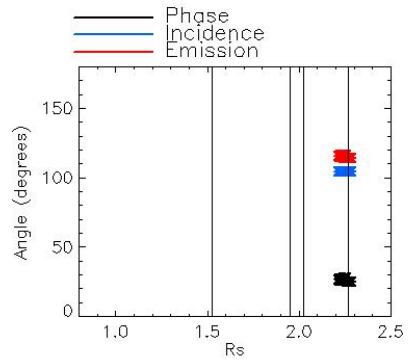
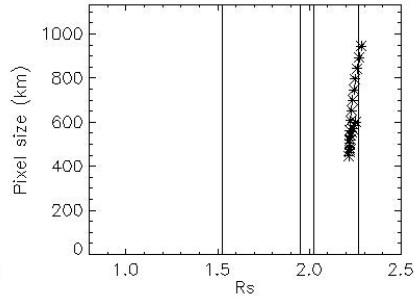
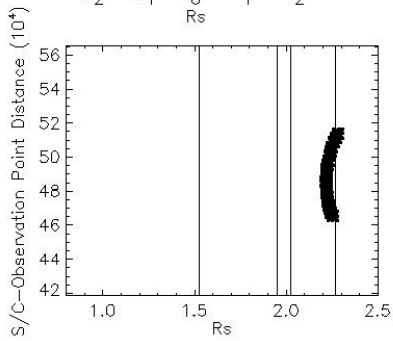


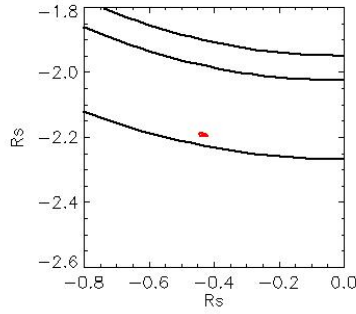
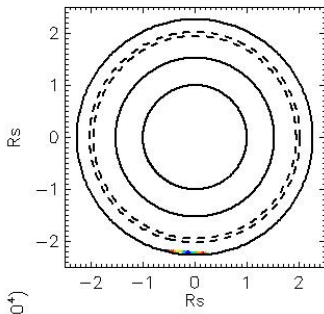
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_02_58_29

Observation Duration:
32 S

Integration time = 32 S



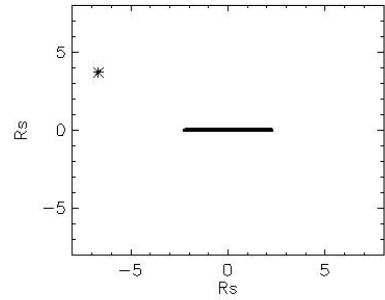
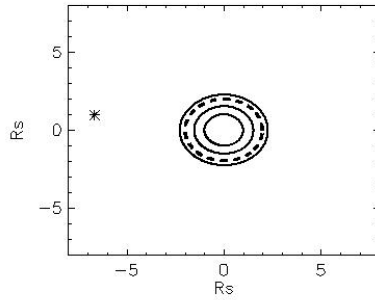
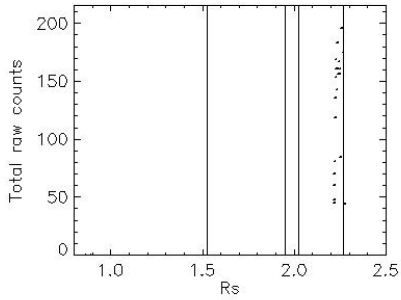
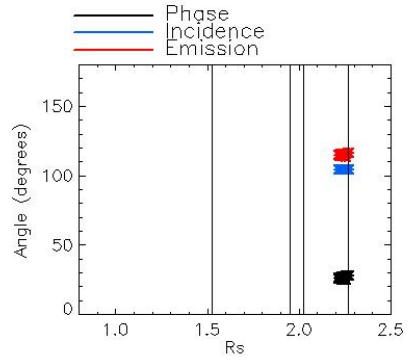
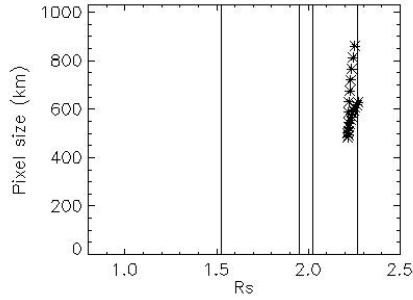
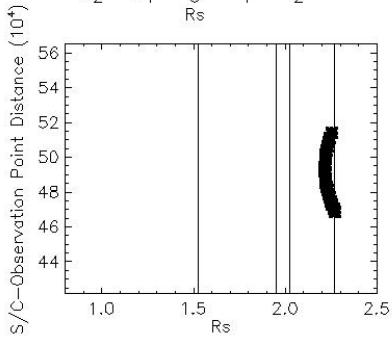


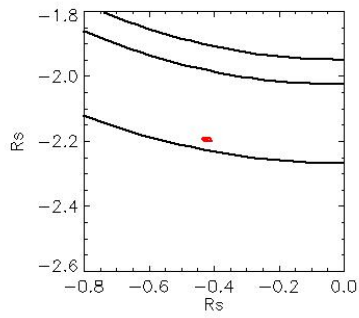
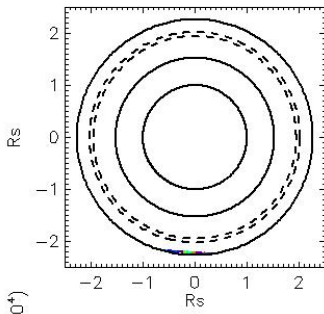
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_03_02_18

Observation Duration:
32 S

Integration time = 32 S



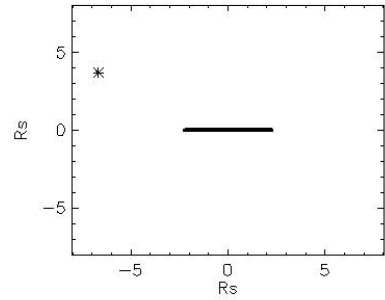
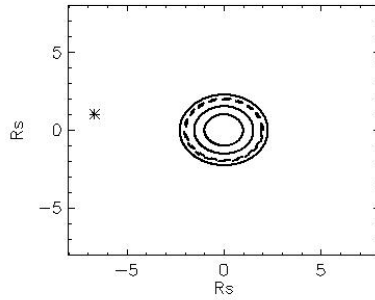
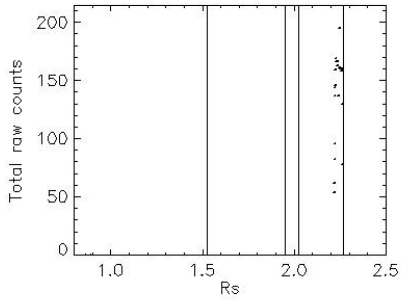
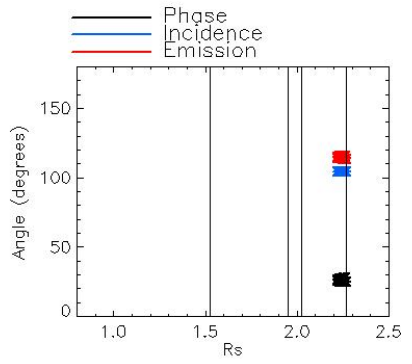
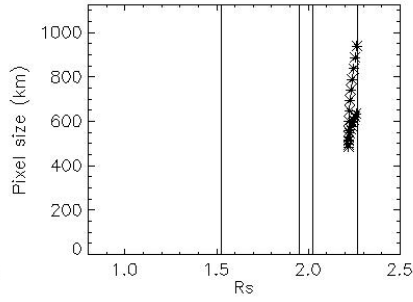
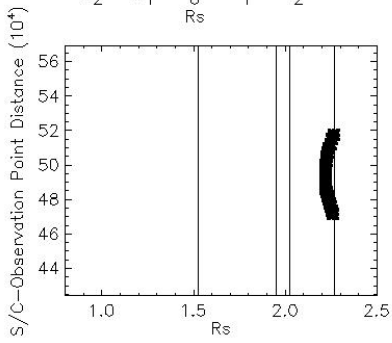


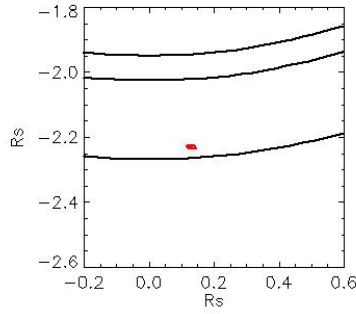
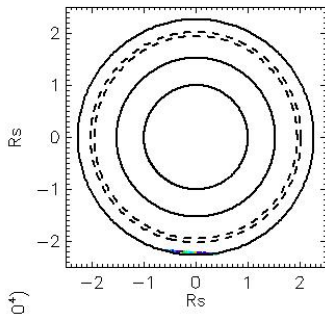
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_03_03_55

Observation Duration:
32 S

Integration time = 32 S



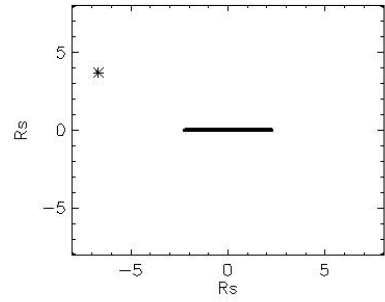
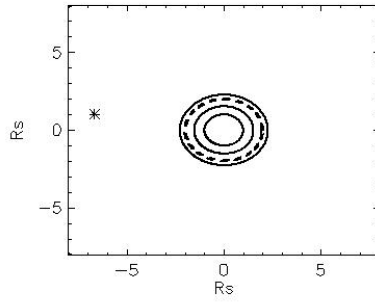
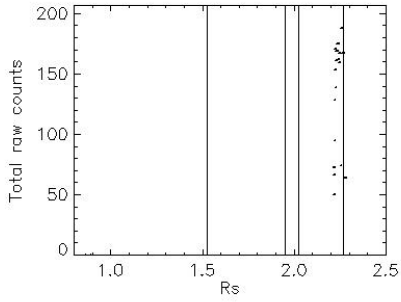
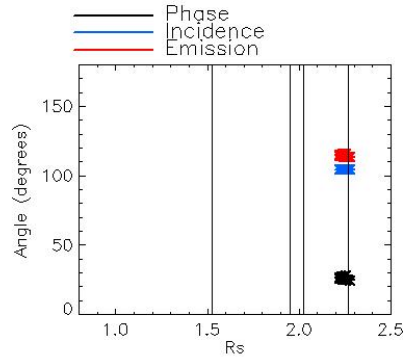
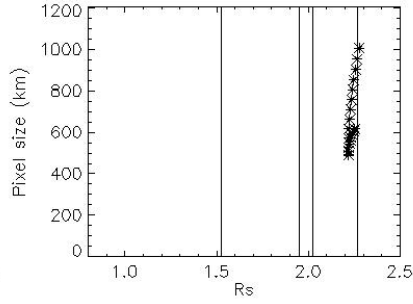
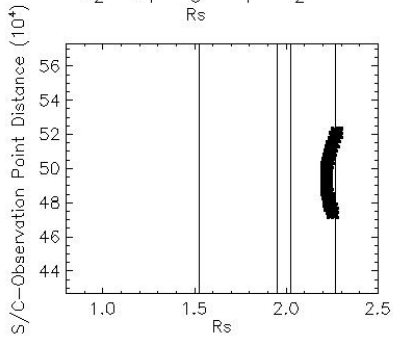


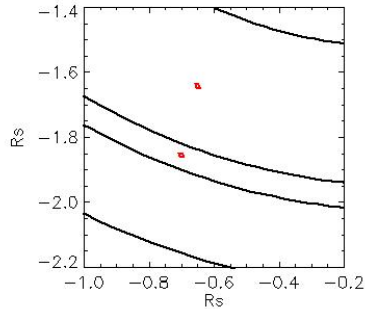
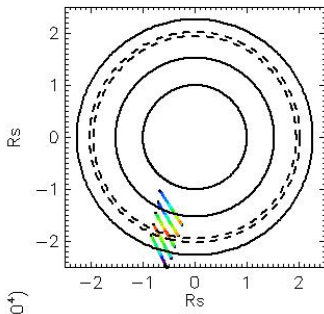
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_349_03_05_32

Observation Duration:
32 S

Integration time = 32 S



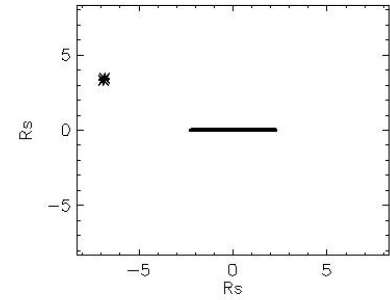
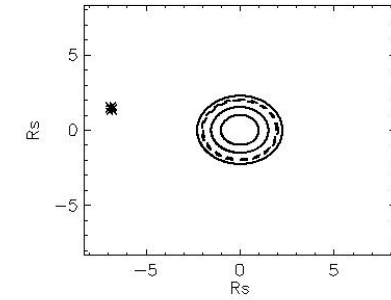
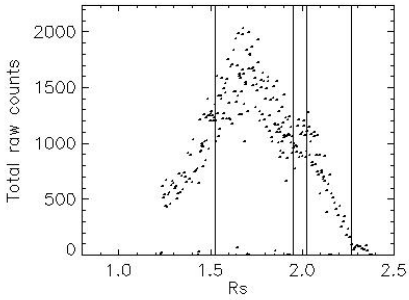
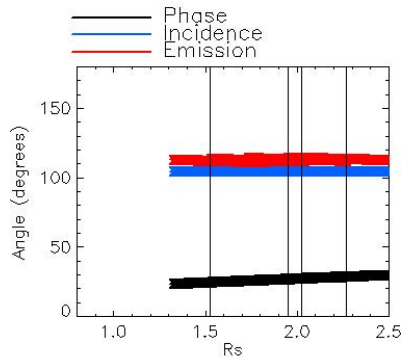
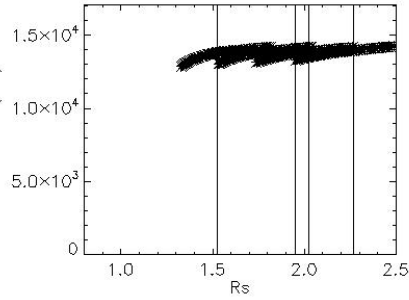
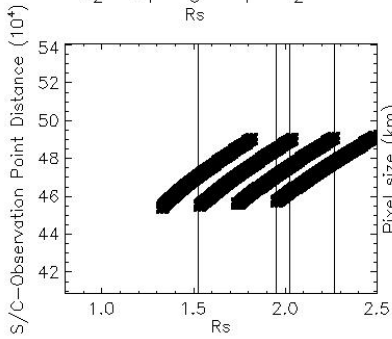


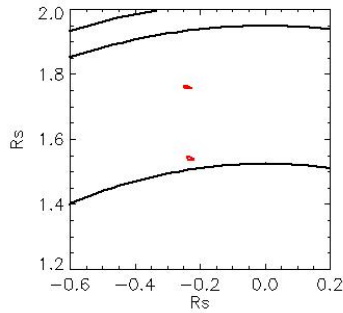
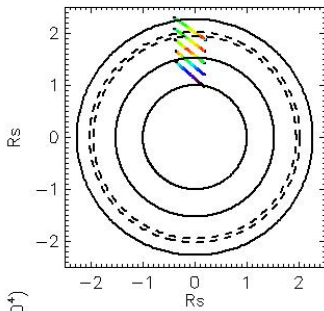
Observation Name:
UMS_035RLTEMPL25LP001_CIRS

Observation Date:
2006_349_03_47_03

Observation Duration:
2400 S

Integration time = 600 S



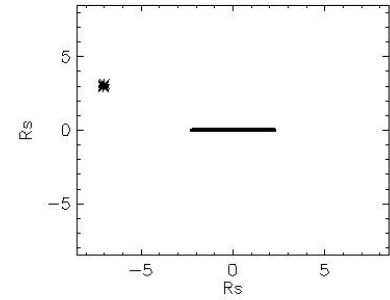
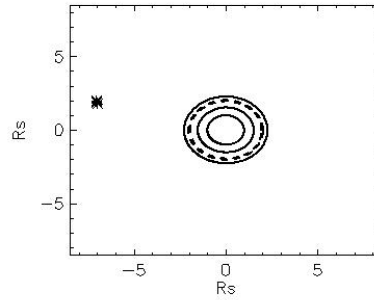
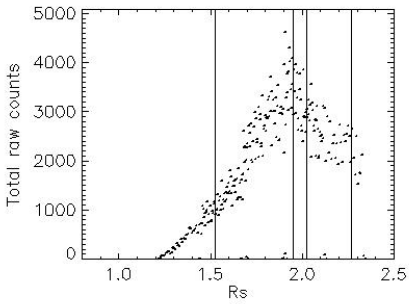
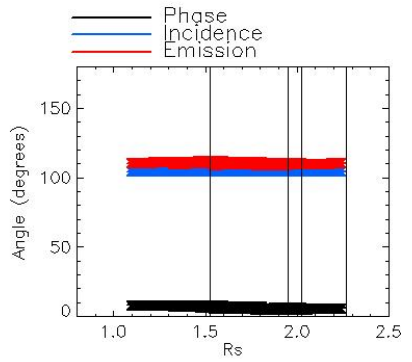
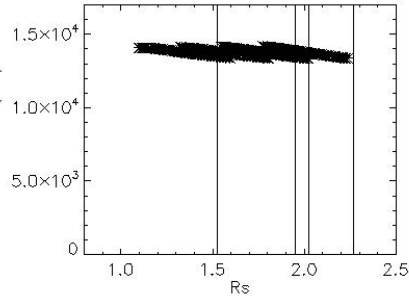
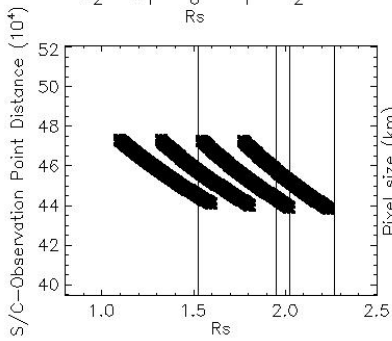


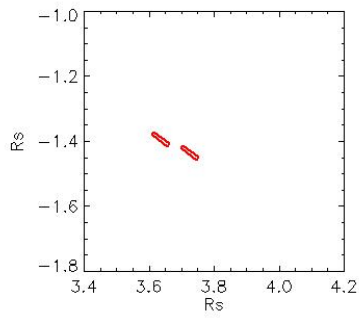
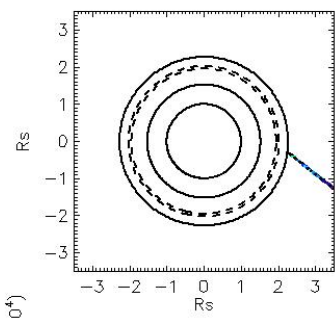
Observation Name:
UMS_035RLTEMPL25LP001_CIRS

Observation Date:
2006_349_04_44_02

Observation Duration:
2400 S

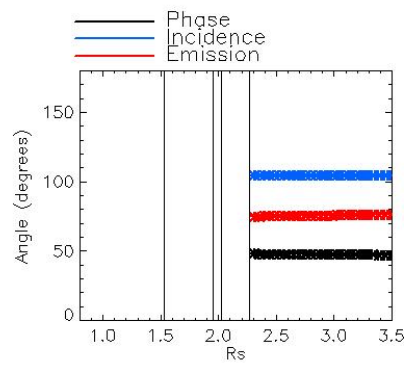
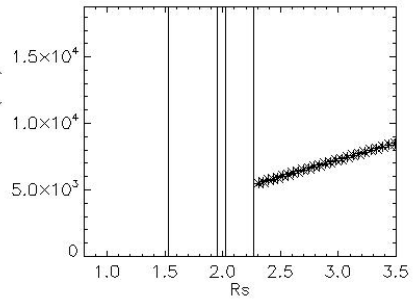
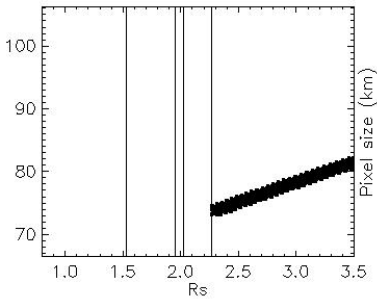
Integration time = 600 S



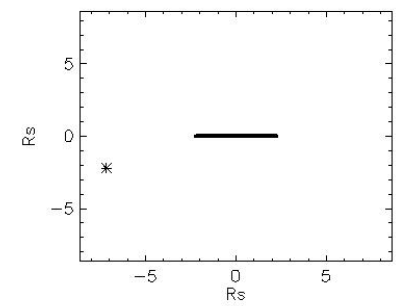
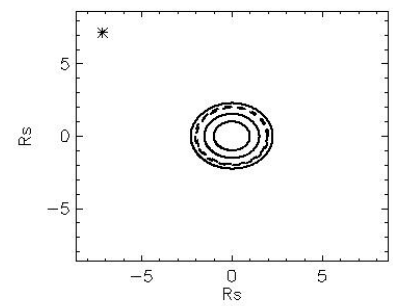
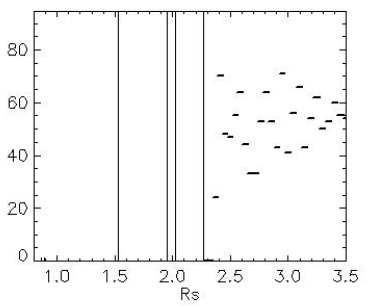


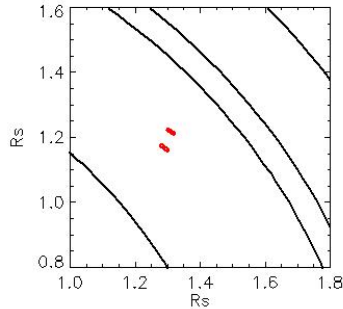
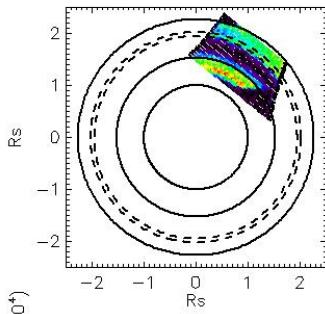
Observation Name:
 UVS_035RLSUBMU20MP001_CIRS
 Observation Date:
 2006_349_17_30_03
 Observation Duration:
 600 S
 Integration time = 600 S

S/C—Observation Point Distance (10^4)



Total raw counts



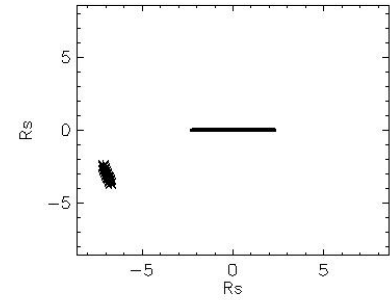
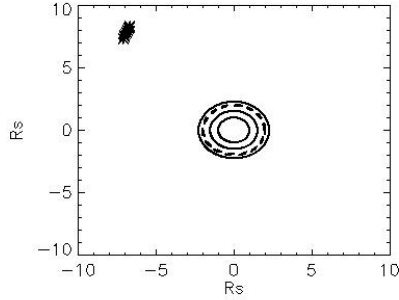
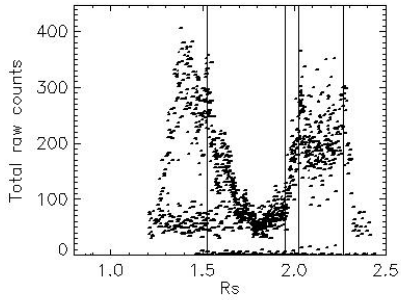
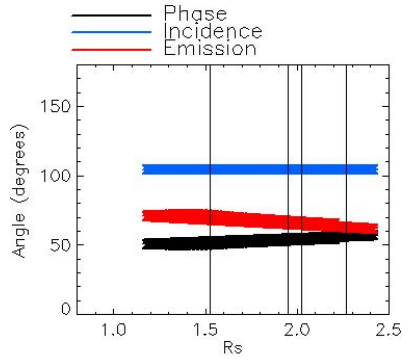
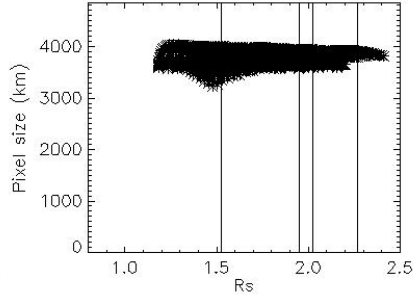
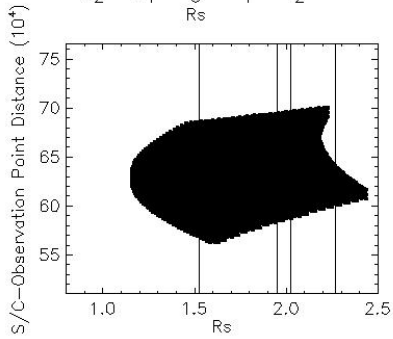


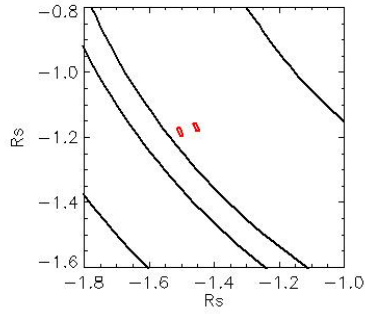
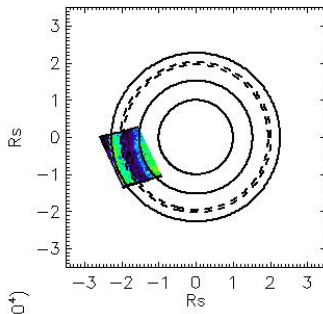
Observation Name:
UMS_035RLSUBMU20MP001_CIRS

Observation Date:
2006_349_17_55_02

Observation Duration:
12000 S

Integration time = 600 S



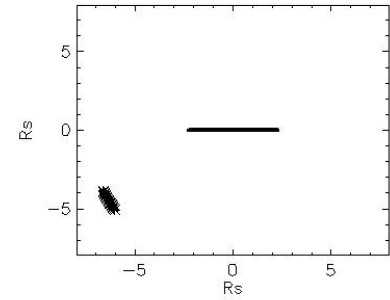
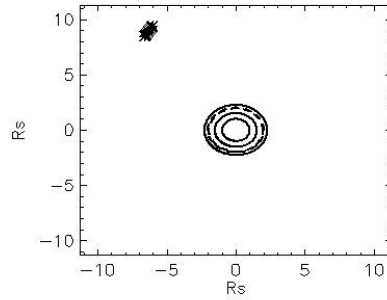
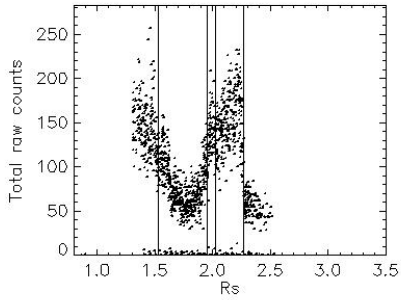
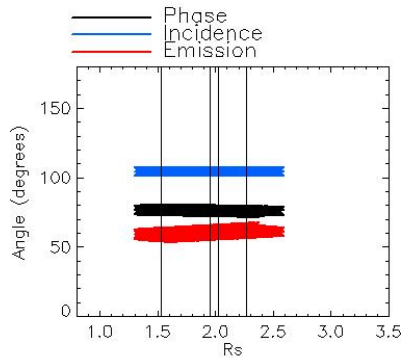
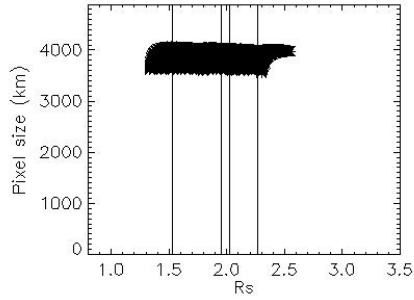
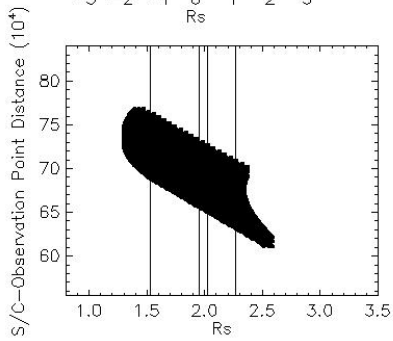


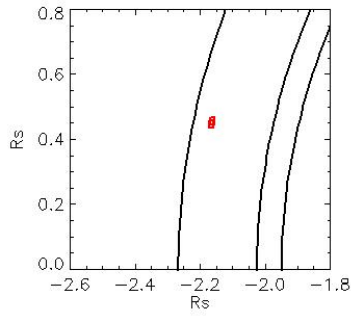
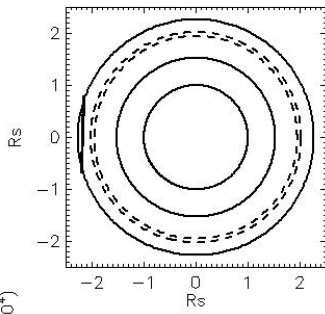
Observation Name:
UVS_035RLSUBMU20MP001_CIRS

Observation Date:
2006_349_21_31_03

Observation Duration:
12000 S

Integration time = 600 S



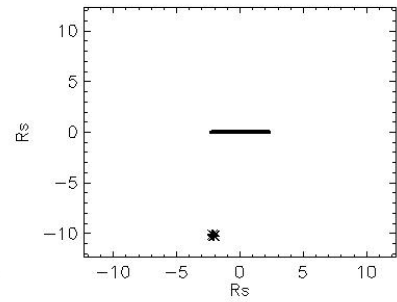
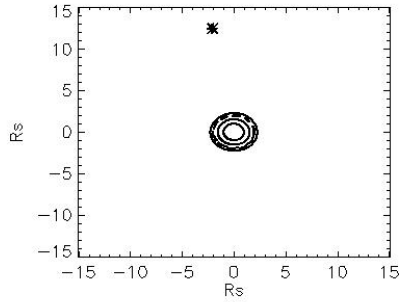
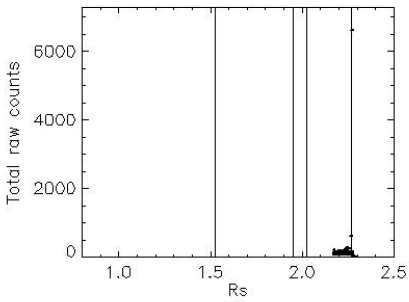
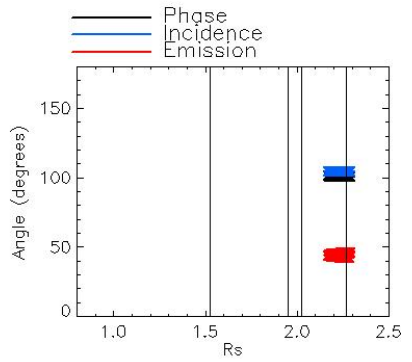
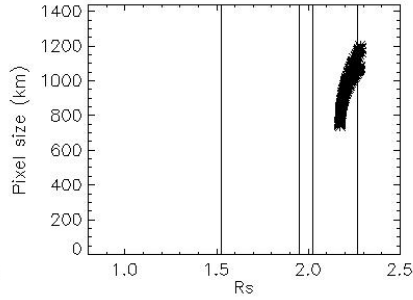
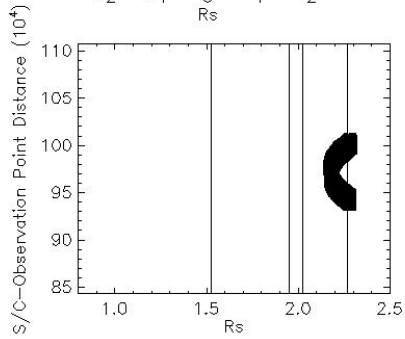


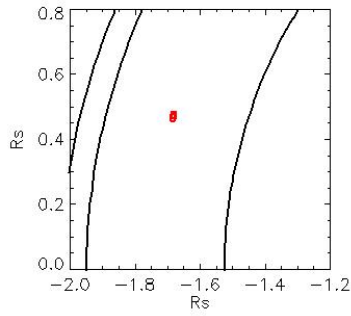
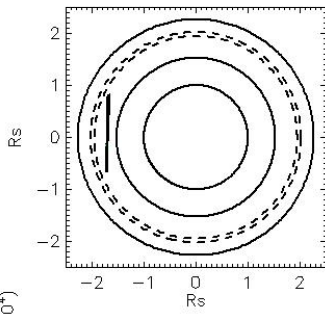
Observation Name:
UMS_035RLLATPHASE002_VIMS

Observation Date:
2006_350_15_47_04

Observation Duration:
3000 S

Integration time = 600 S



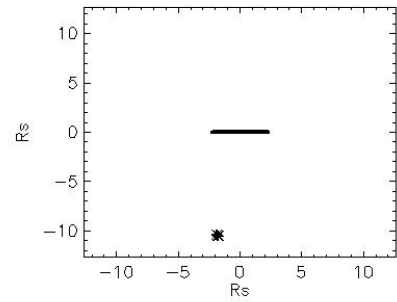
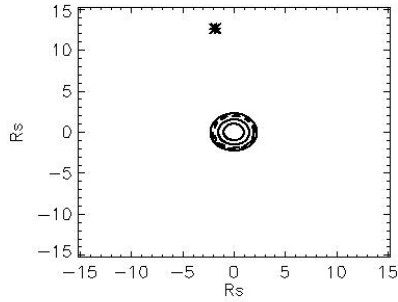
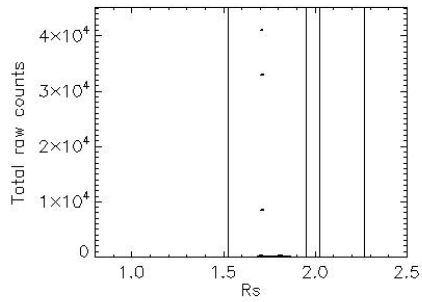
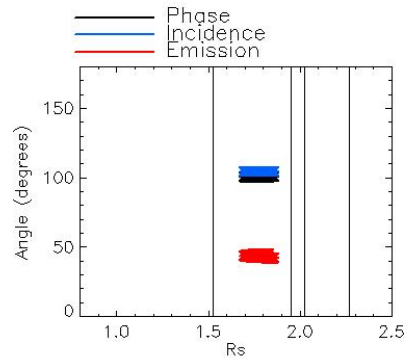
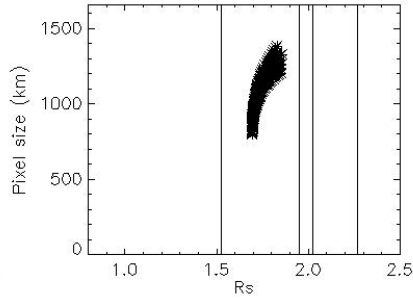
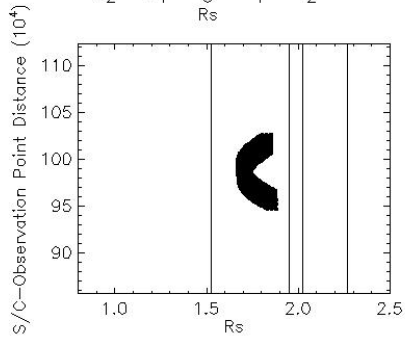


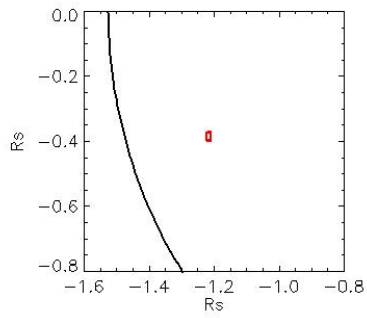
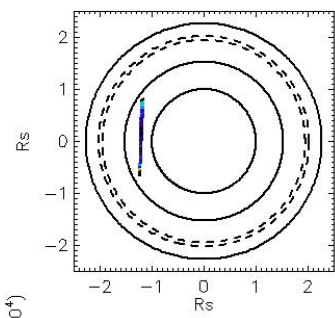
Observation Name:
UMS_035RLLATPHASE02_VIMS

Observation Date:
2006_350_16_43_25

Observation Duration:
3000 S

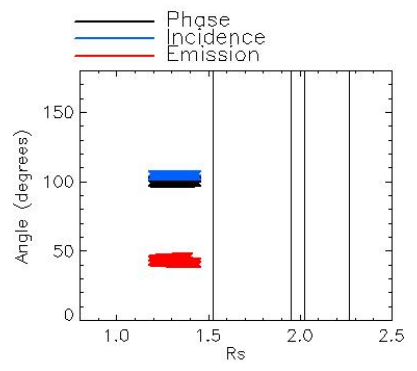
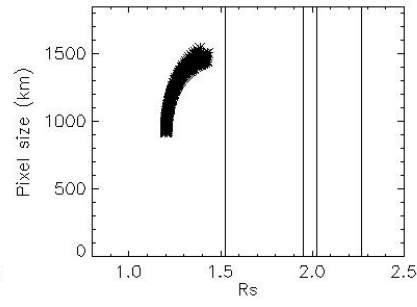
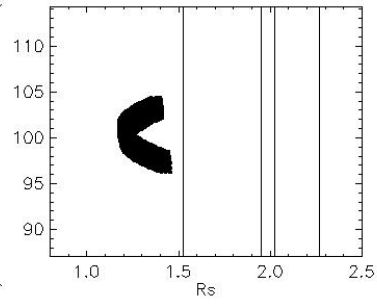
Integration time = 600 S



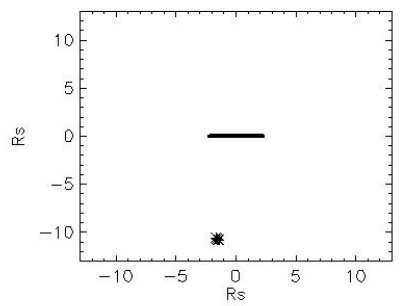
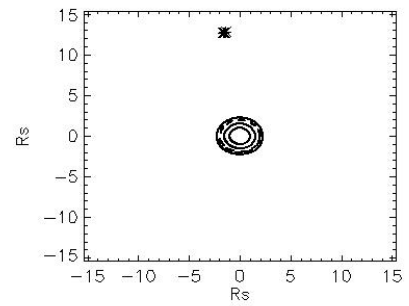
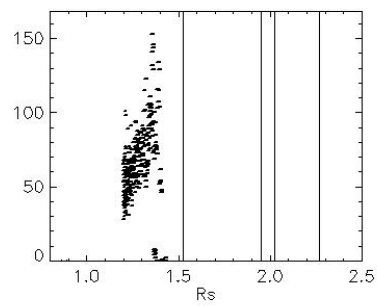


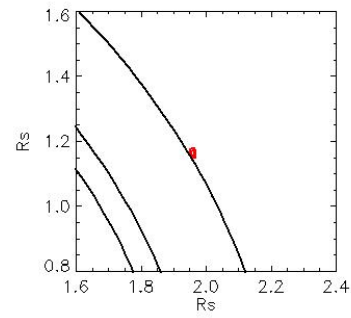
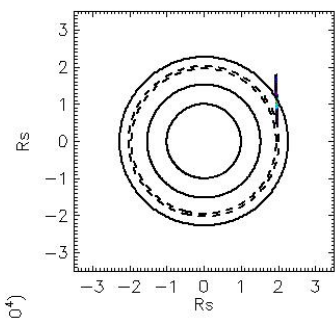
Observation Name:
 UVS_035RLLATPHASE002_VIMS
 Observation Date:
 2006_350_17_39_46
 Observation Duration:
 3600 S
 Integration time = 600 S

S/C—Observation Point Distance (10^4)

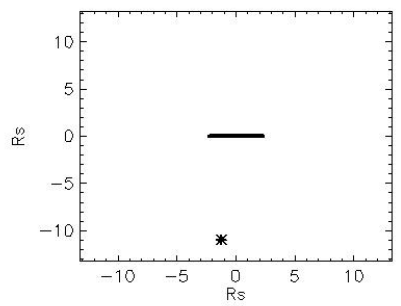
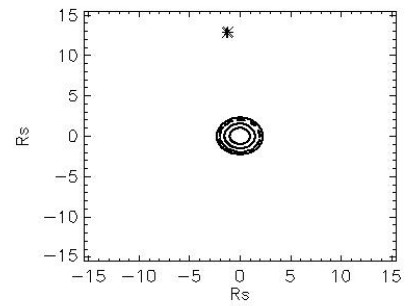
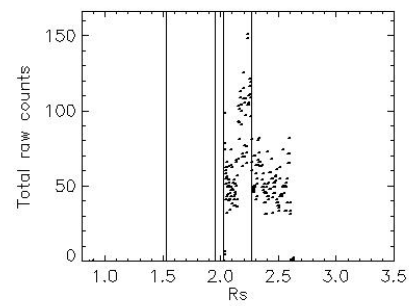
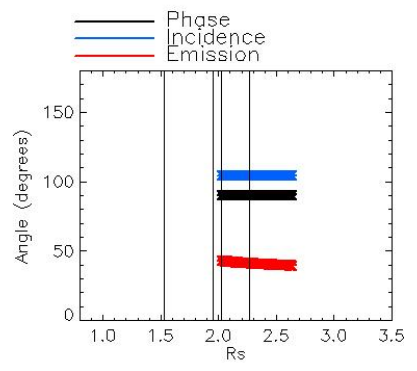
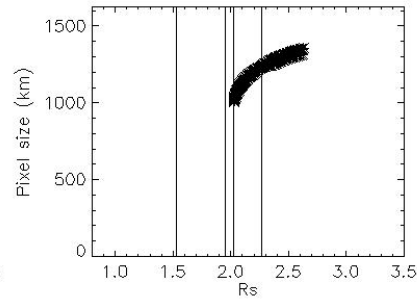
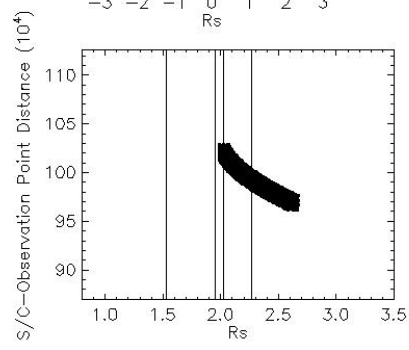


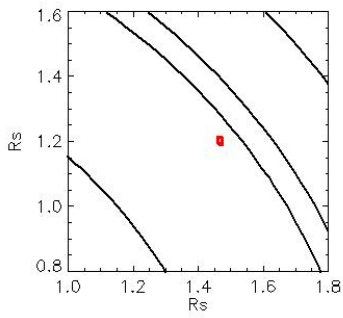
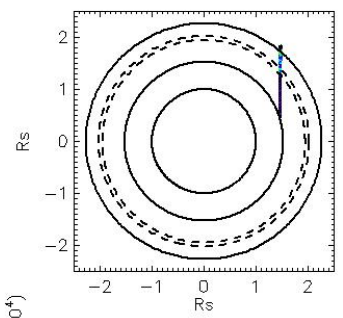
Total raw counts



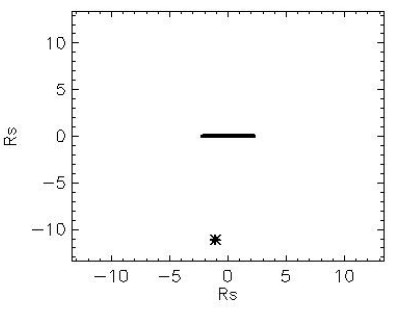
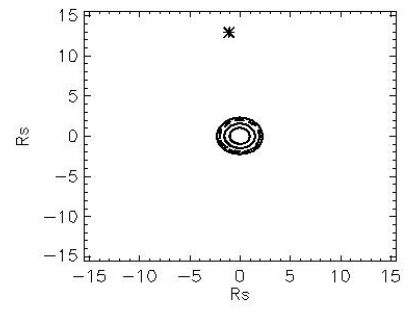
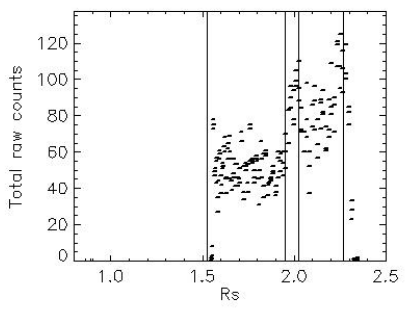
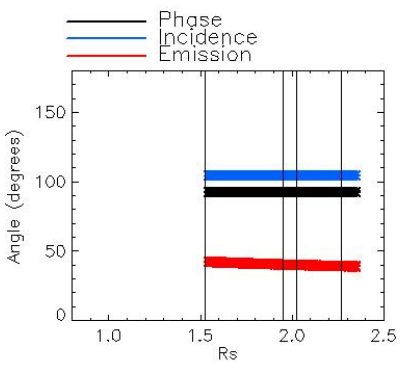
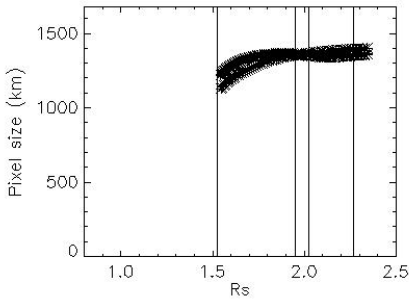
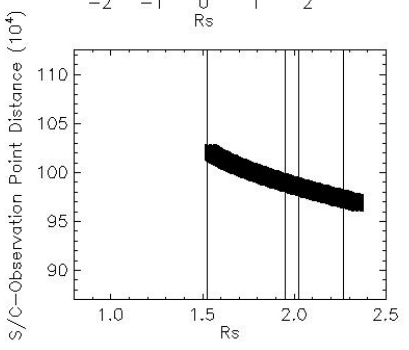


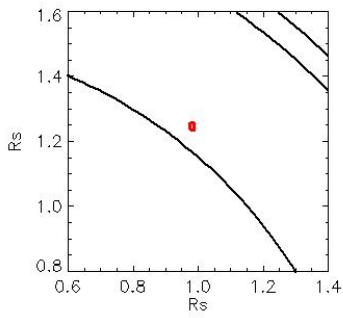
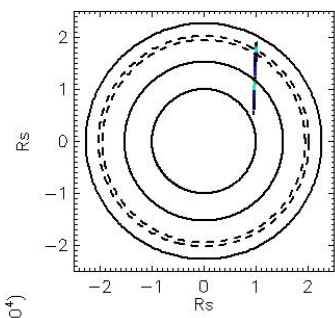
Observation Name:
 UVS_035RLLATPHASE002_VIMS
 Observation Date:
 2006_350_18_50_04
 Observation Duration:
 1800 S
 Integration time = 600 S





Observation Name:
 UVS_035RLLATPHASE002_VIMS
 Observation Date:
 2006_350_19_23_07
 Observation Duration:
 1800 S
 Integration time = 600 S





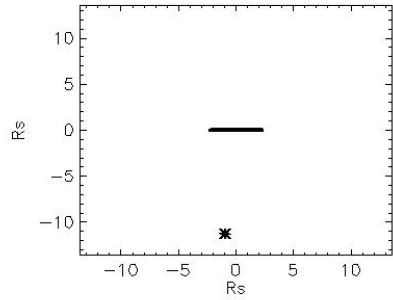
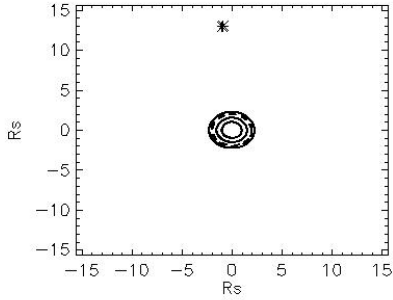
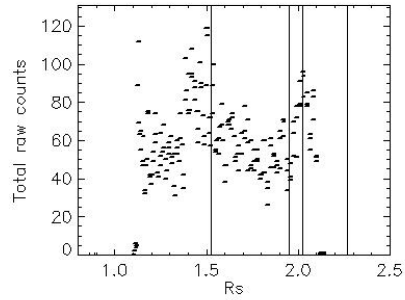
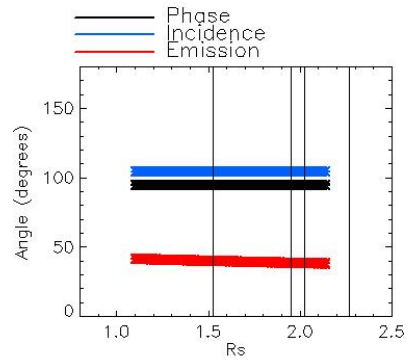
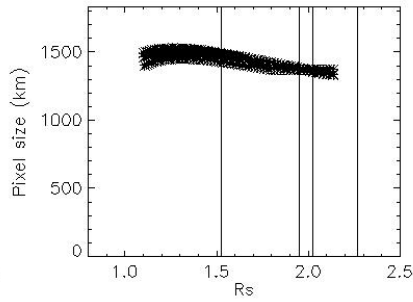
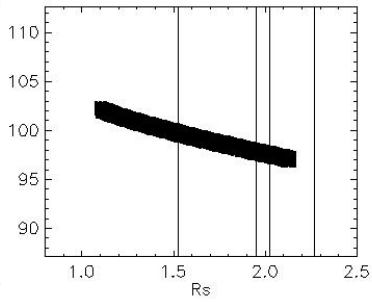
Observation Name:
UVIS_035RLLATPHASE002_VIMS

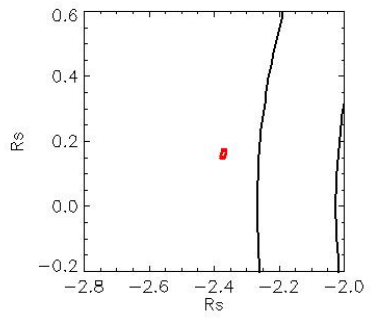
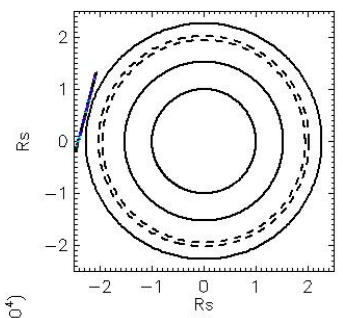
Observation Date:
2006_350_19_56_10

Observation Duration:
1800 S

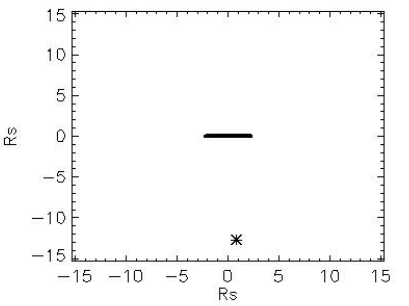
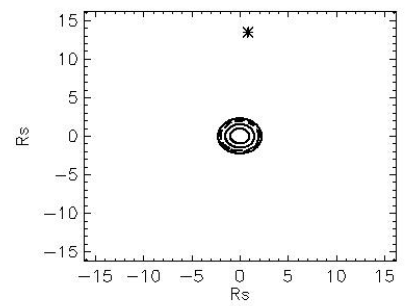
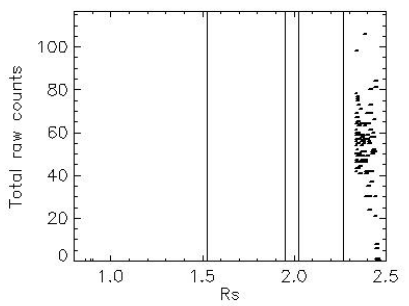
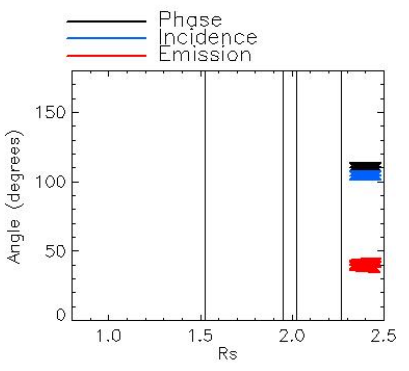
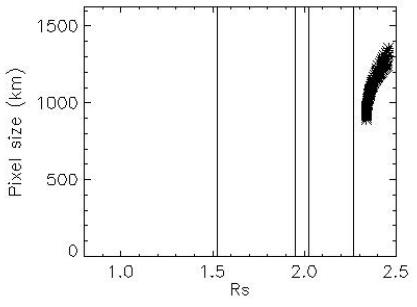
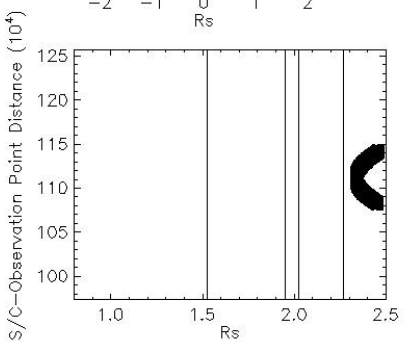
Integration time = 600 S

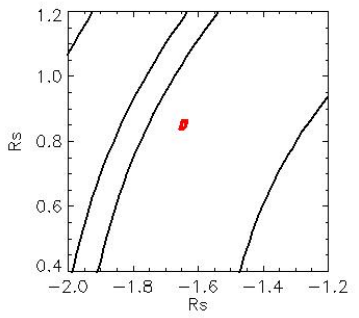
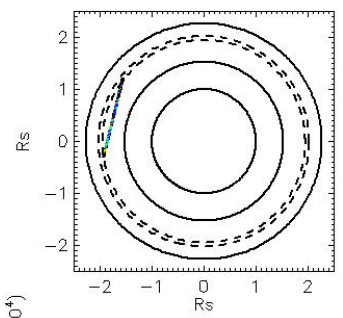
S/C—Observation Point Distance (10^4)





Observation Name:
UVIS_035RLLATPHASE004_VIMS
Observation Date:
2006_351_01_52_03
Observation Duration:
1200 S
Integration time = 600 S



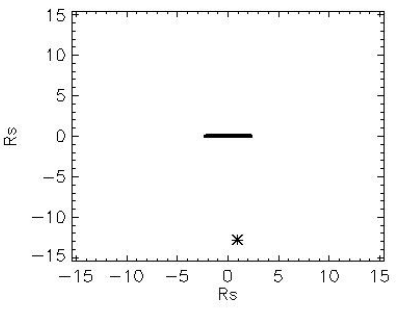
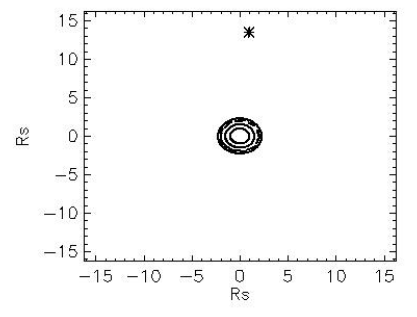
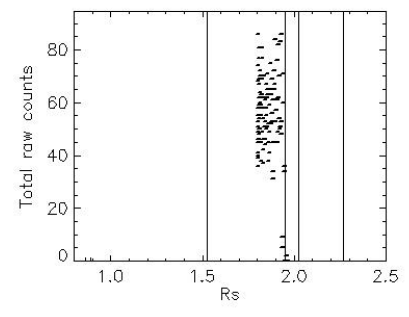
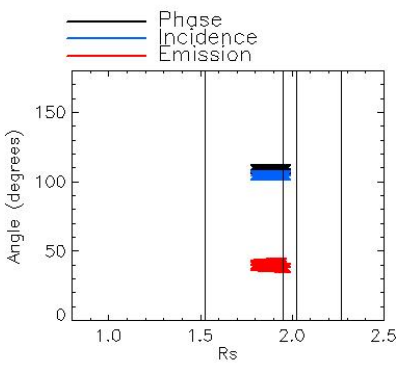
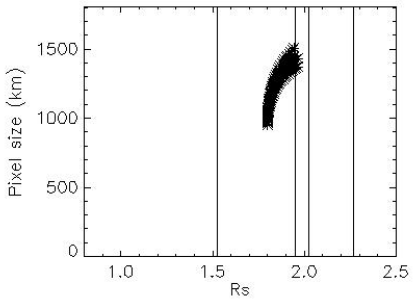
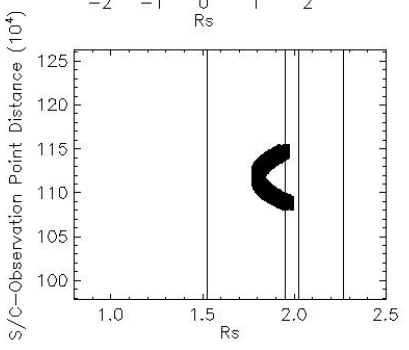


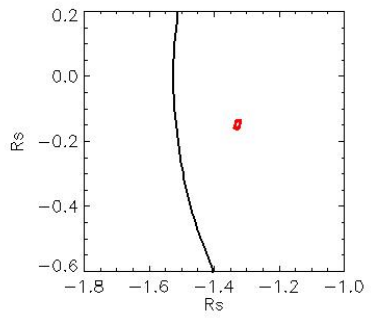
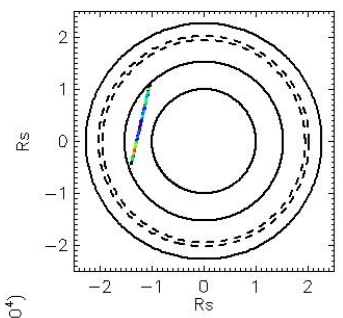
Observation Name:
UVIS_035RLLATPHASE004_VIMS

Observation Date:
2006_351_02_13_24

Observation Duration:
1200 S

Integration time = 600 S





Observation Name:
 UVS_035RLLATPHASE004_VIMS
 Observation Date:
 2006_351_02_34_45
 Observation Duration:
 1200 S
 Integration time = 600 S

