

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.

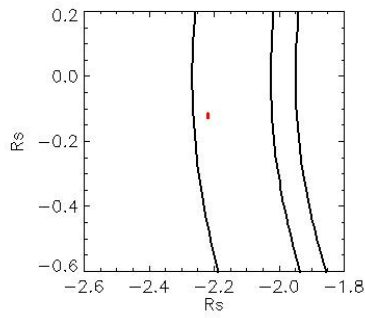
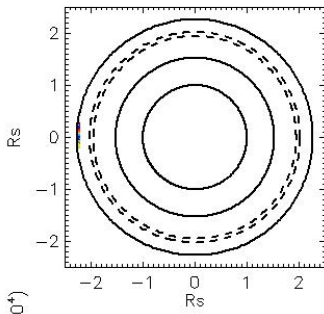
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.

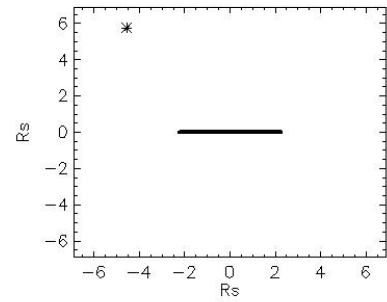
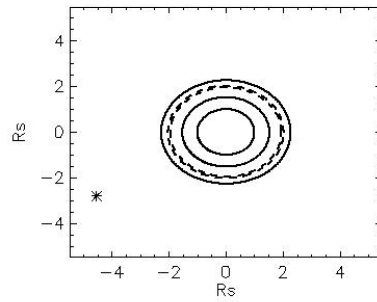
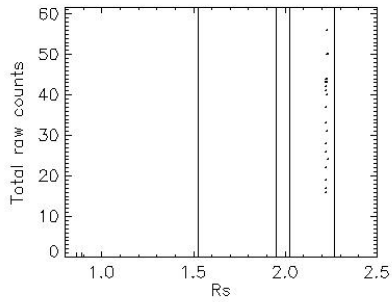
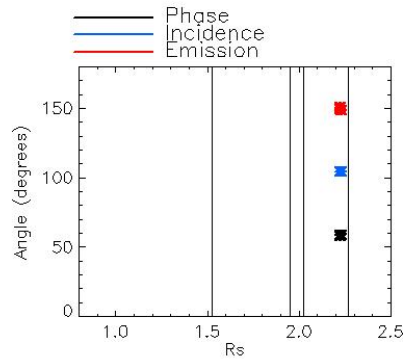
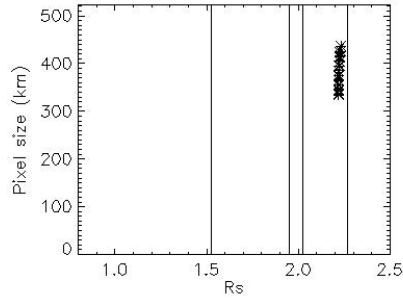
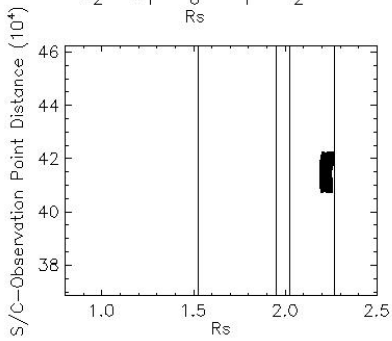


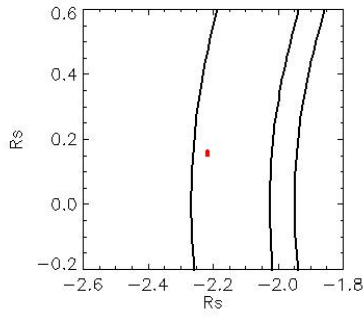
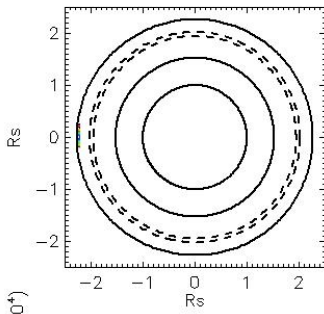
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_348_19_35_18

Observation Duration:
32 S

Integration time = 32 S



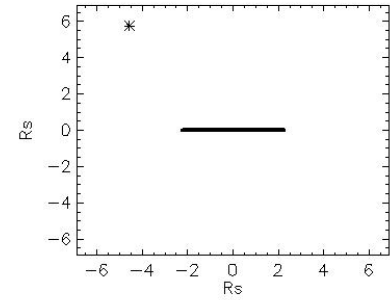
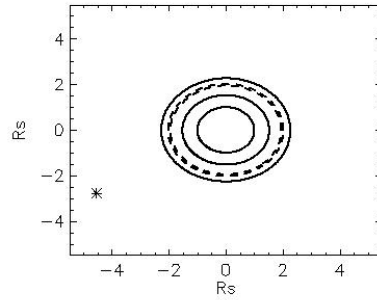
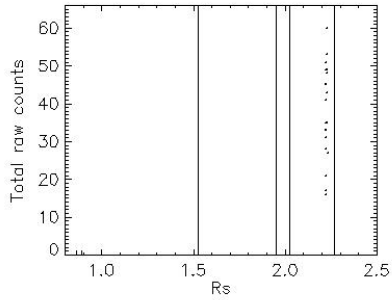
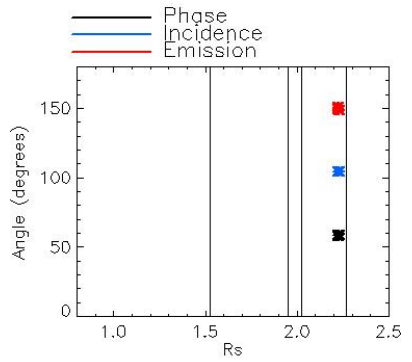
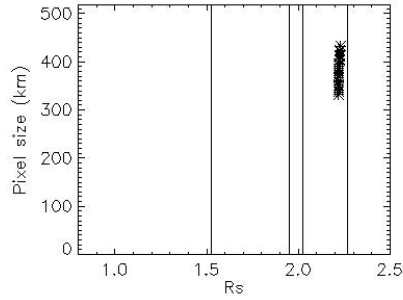
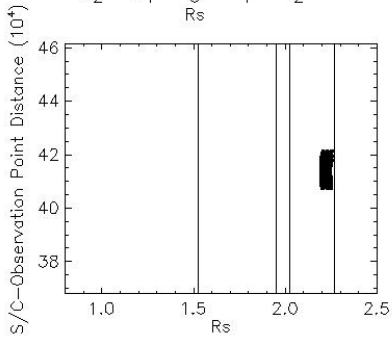


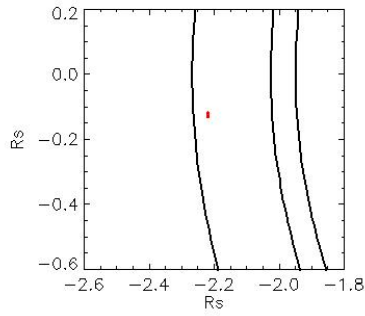
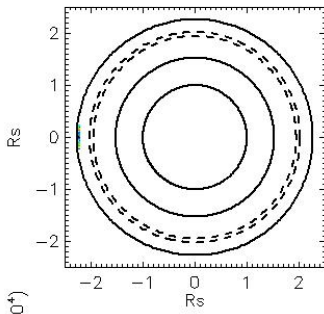
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_36_55

Observation Duration:
32 S

Integration time = 32 S



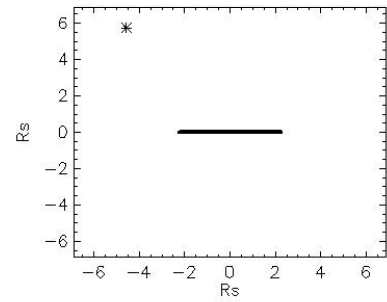
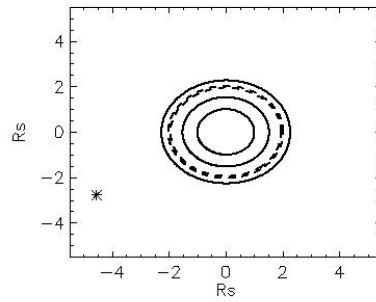
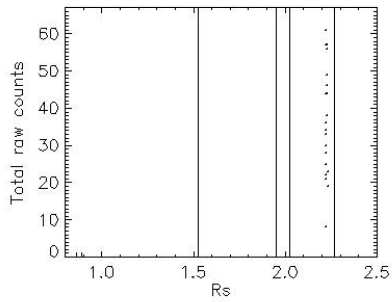
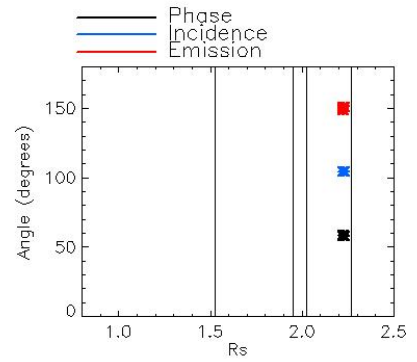
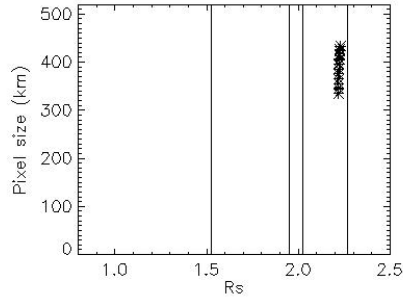
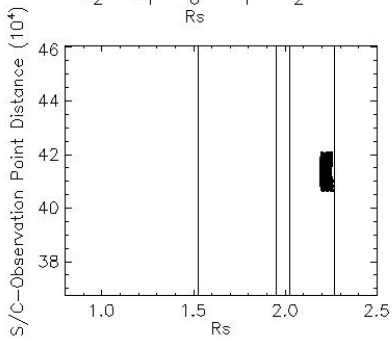


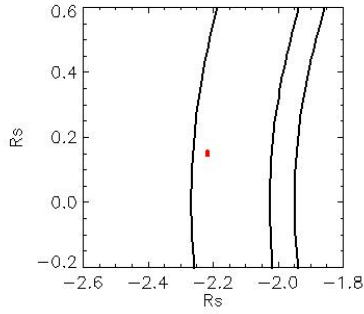
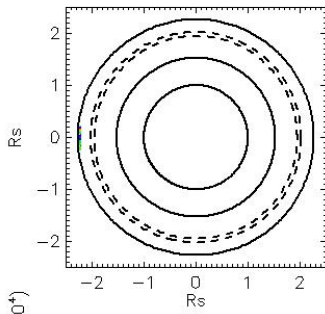
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_38_32

Observation Duration:
32 S

Integration time = 32 S



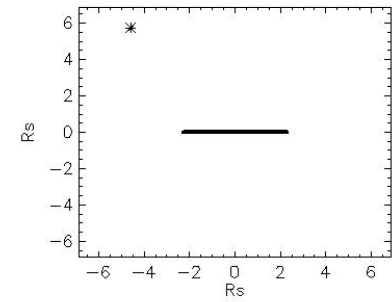
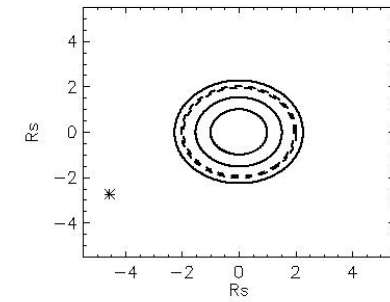
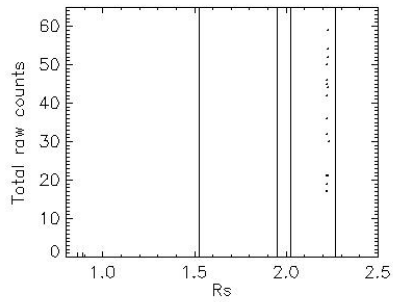
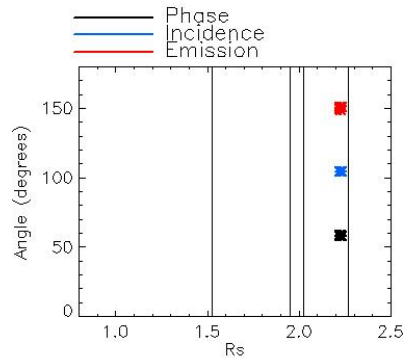
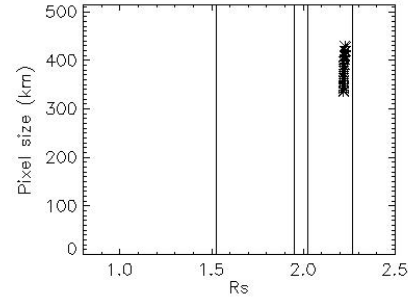
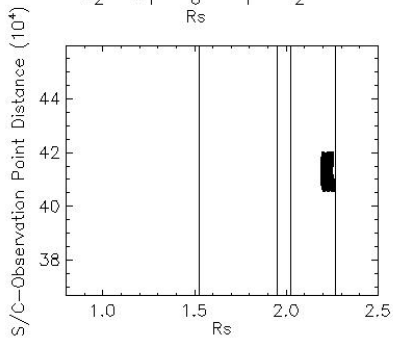


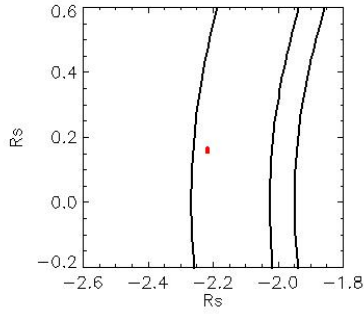
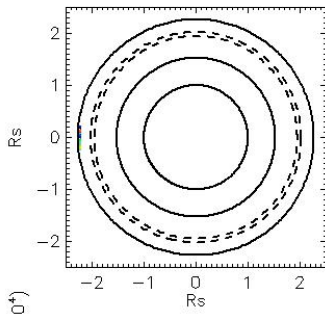
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_40_09

Observation Duration:
32 S

Integration time = 32 S



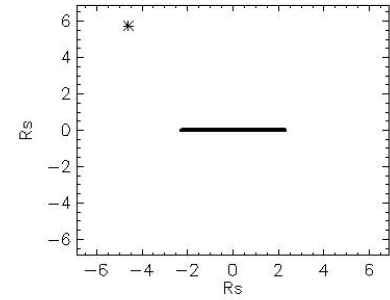
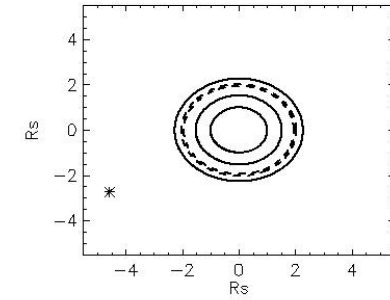
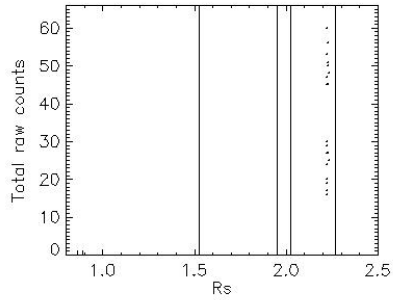
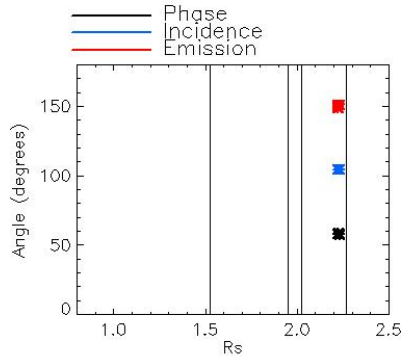
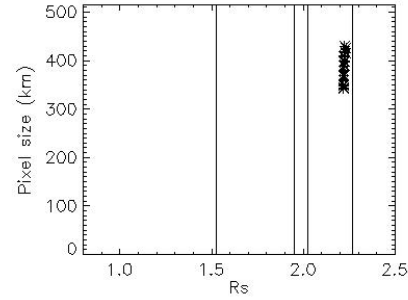
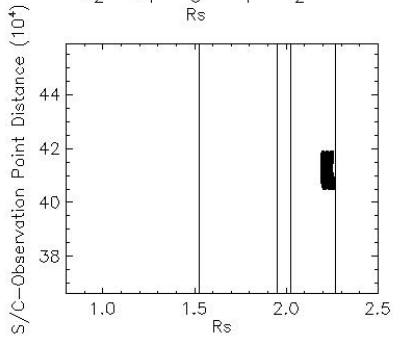


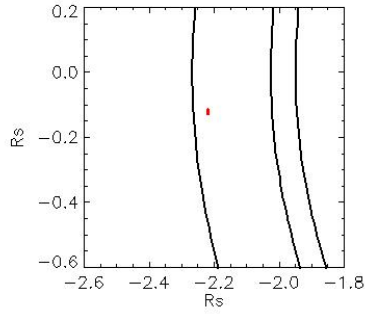
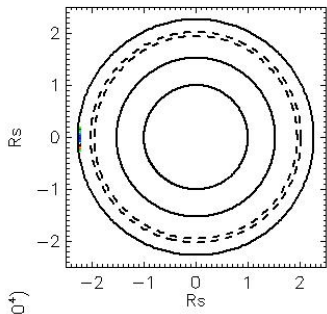
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_41_46

Observation Duration:
32 S

Integration time = 32 S



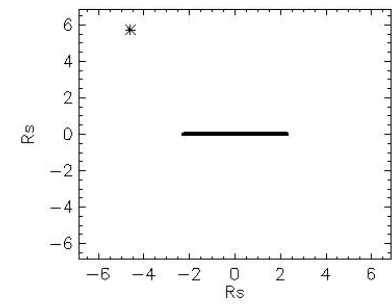
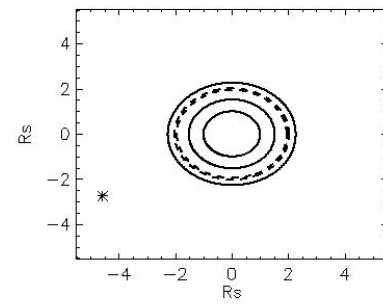
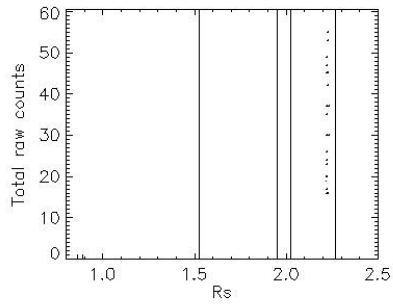
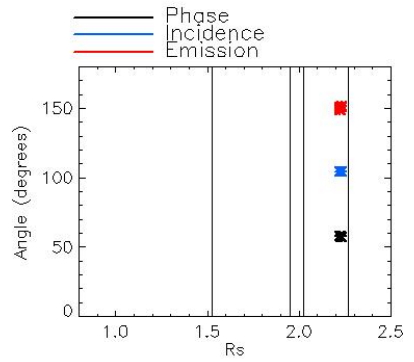
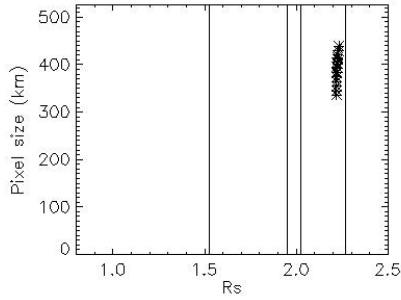
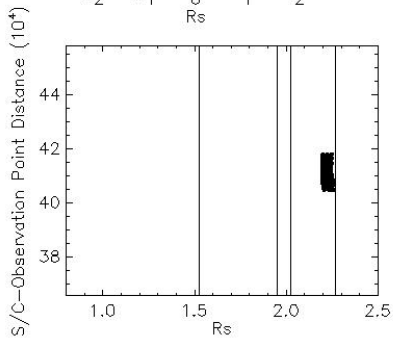


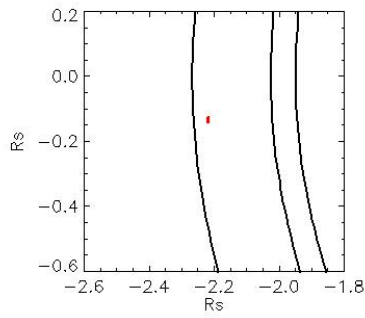
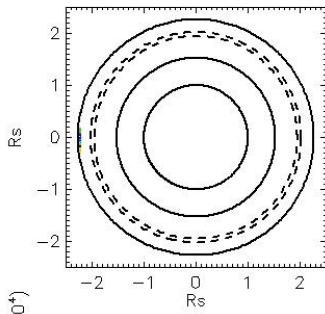
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_43_23

Observation Duration:
32 S

Integration time = 32 S



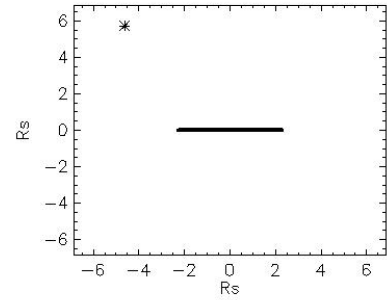
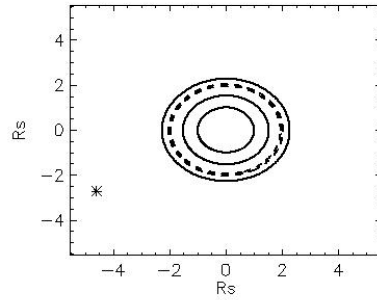
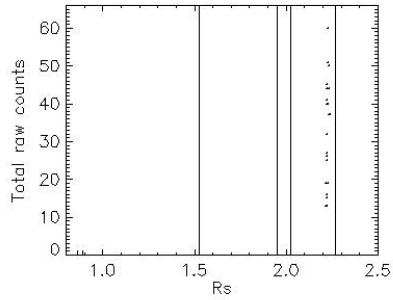
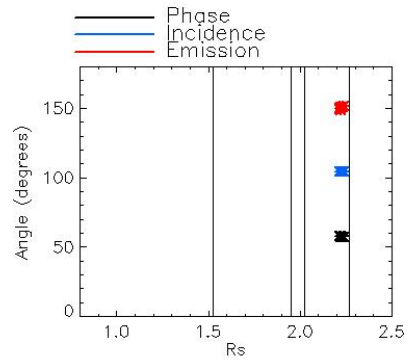
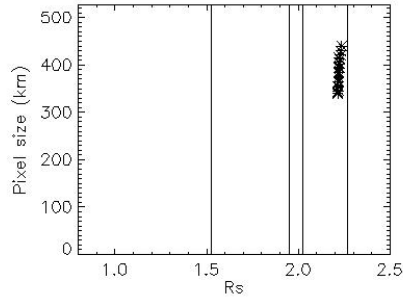
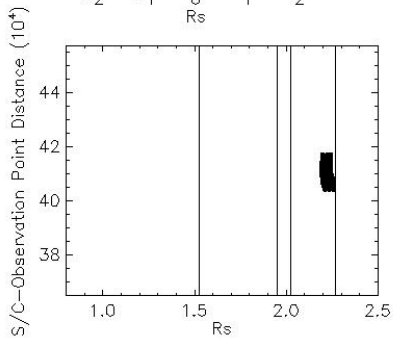


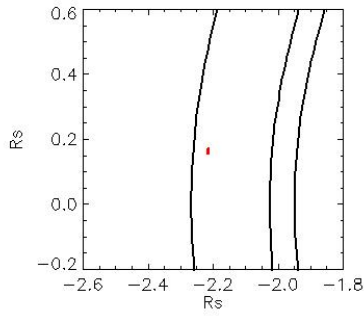
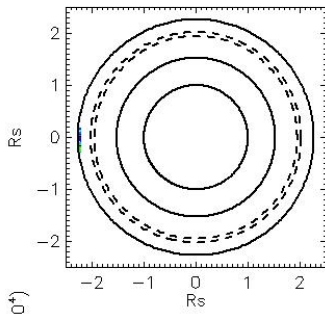
Observation Name:
UVS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_45_00

Observation Duration:
32 S

Integration time = 32 S



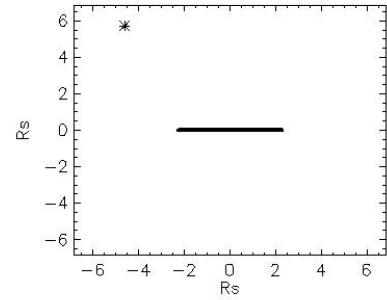
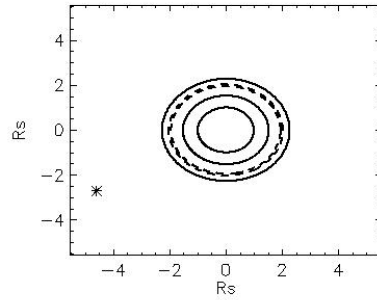
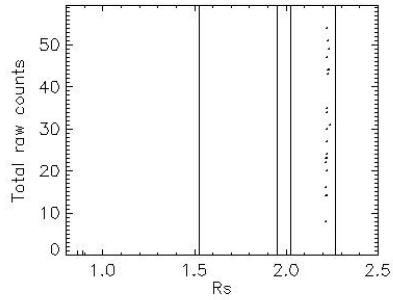
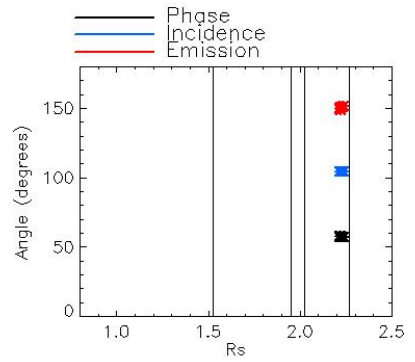
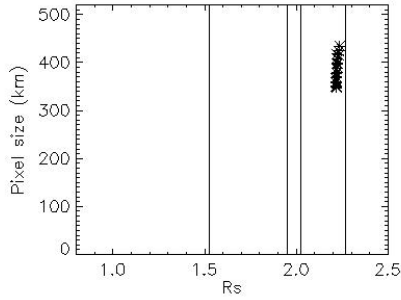
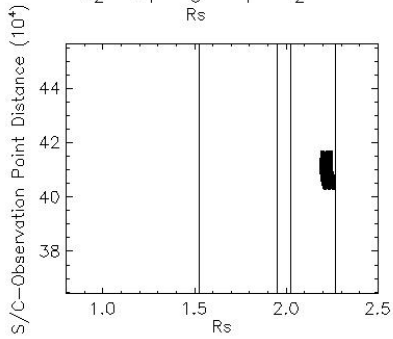


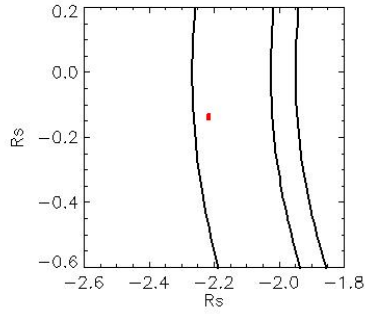
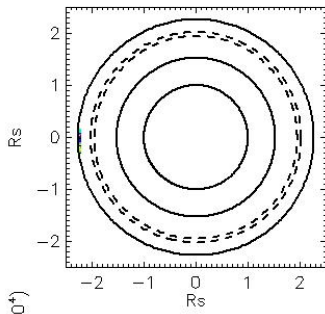
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_46_37

Observation Duration:
32 S

Integration time = 32 S



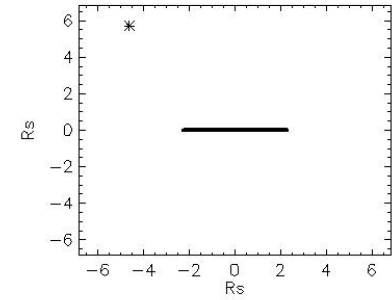
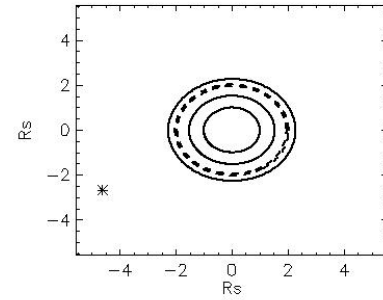
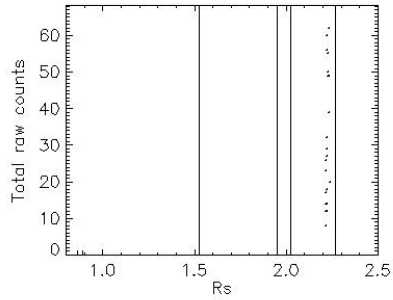
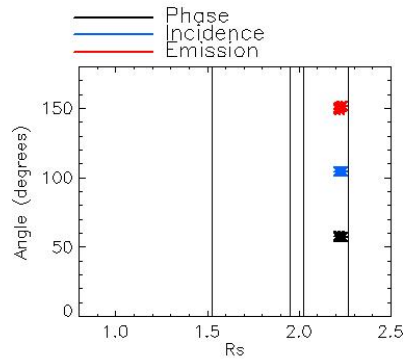
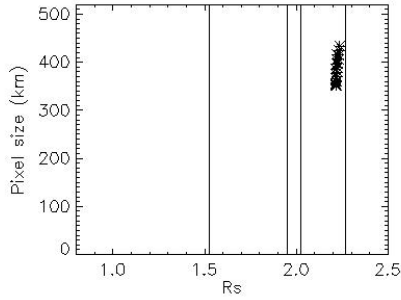
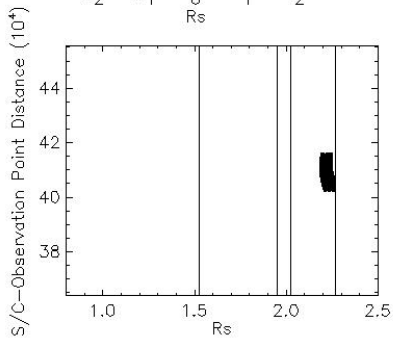


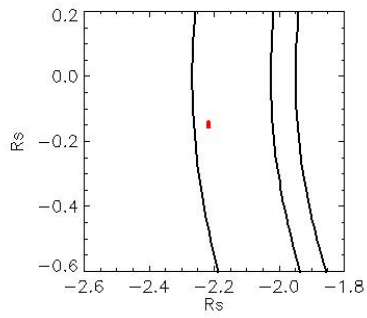
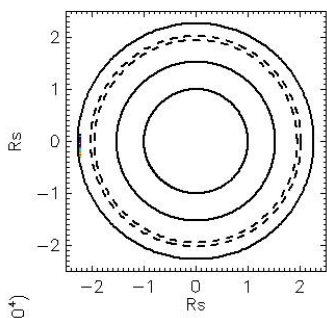
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_348_19_48_14

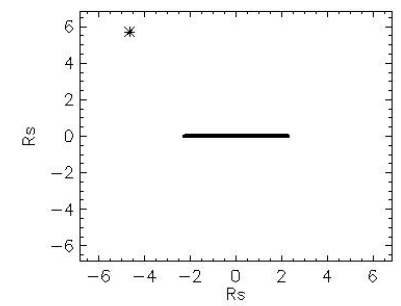
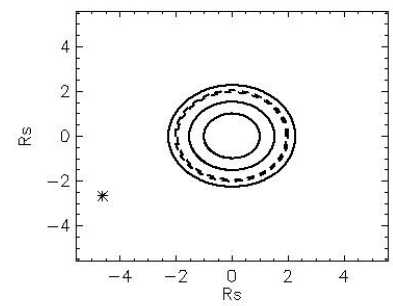
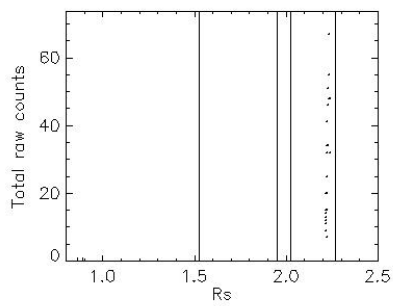
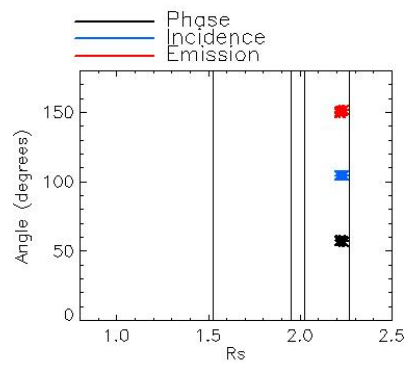
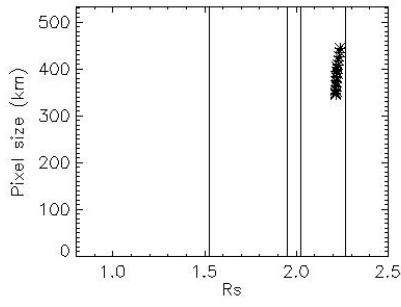
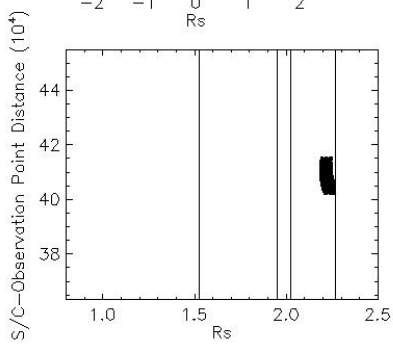
Observation Duration:
32 S

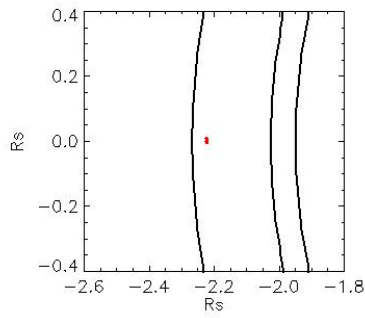
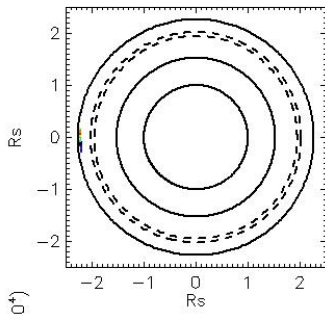
Integration time = 32 S





Observation Name:
 UVS_035RLAZSCNLOPH001_ISS
 Observation Date:
 2006_348_19_49_51
 Observation Duration:
 32 S
 Integration time = 32 S



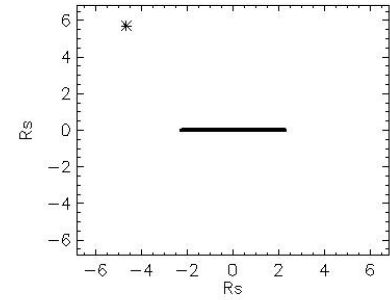
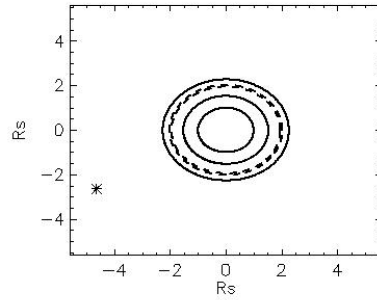
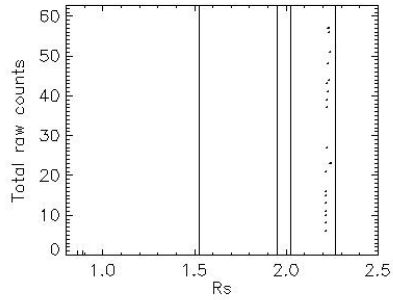
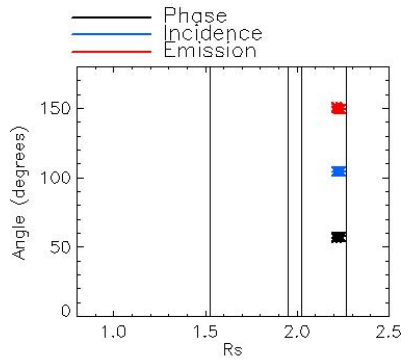
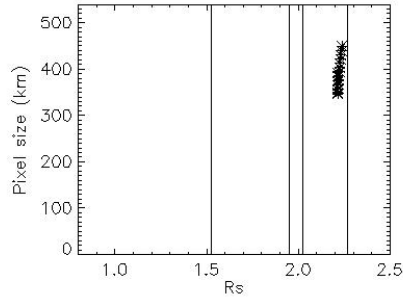
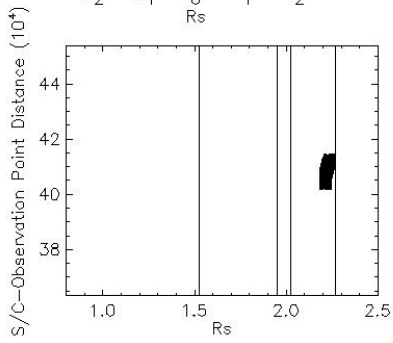


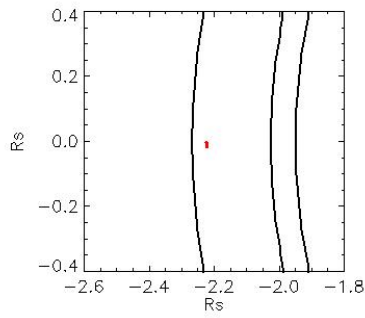
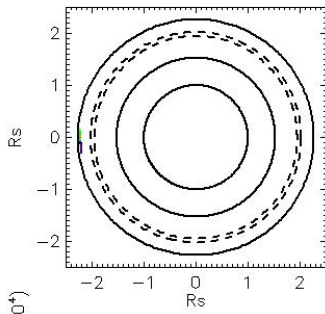
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_53_28

Observation Duration:
32 S

Integration time = 32 S



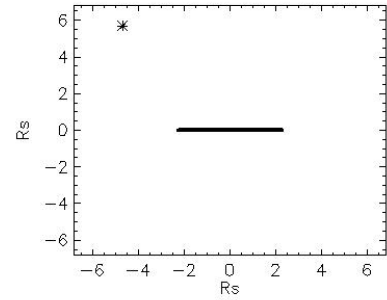
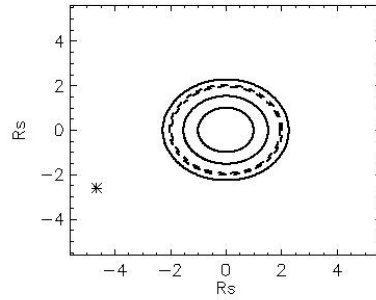
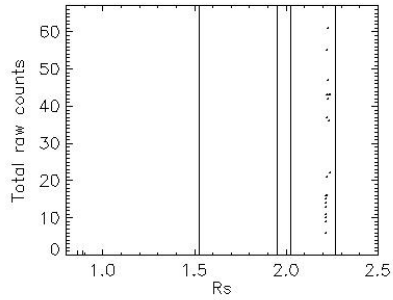
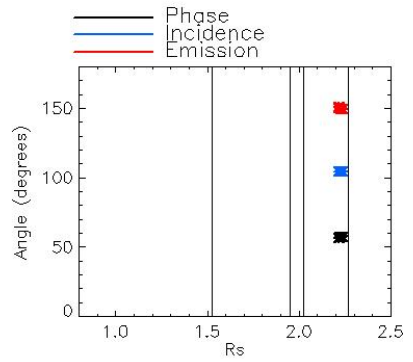
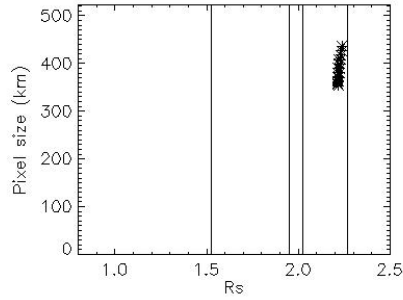
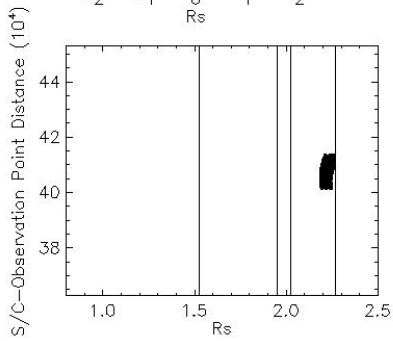


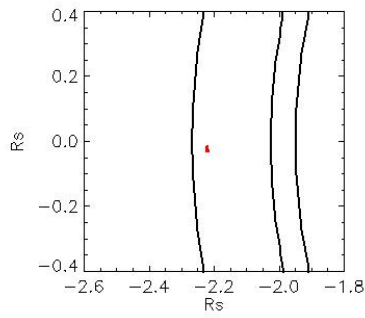
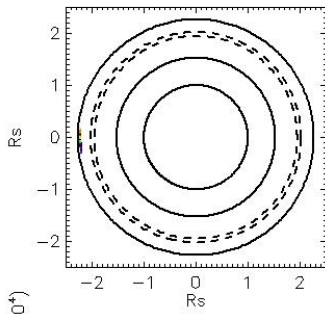
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_55_05

Observation Duration:
32 S

Integration time = 32 S



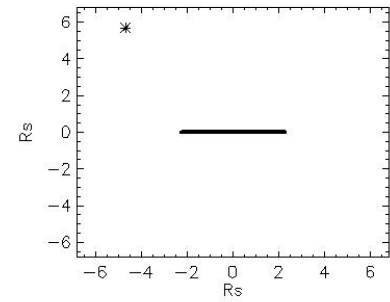
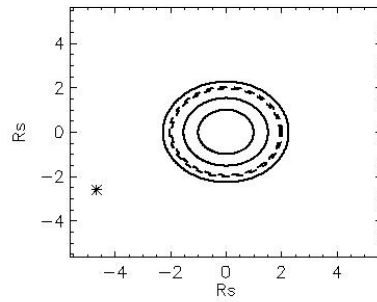
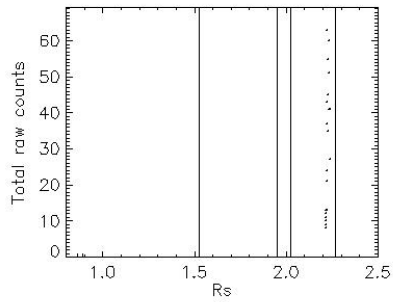
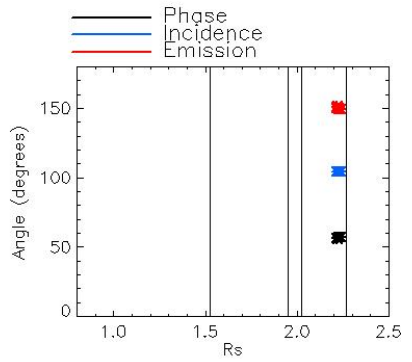
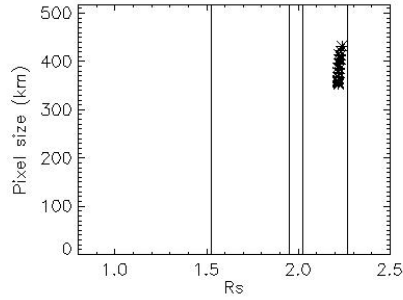
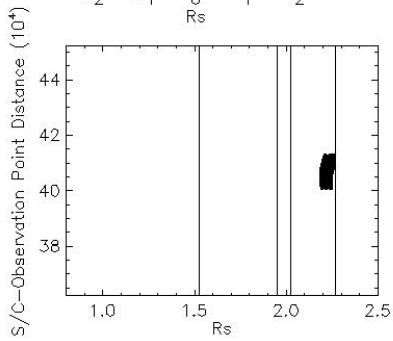


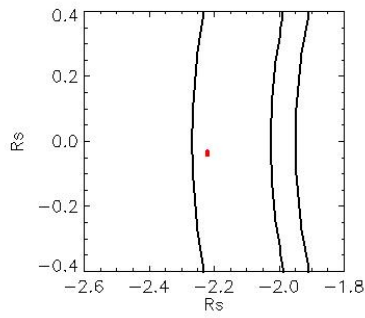
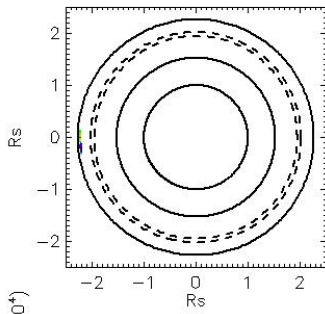
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_348_19_56_42

Observation Duration:
32 S

Integration time = 32 S



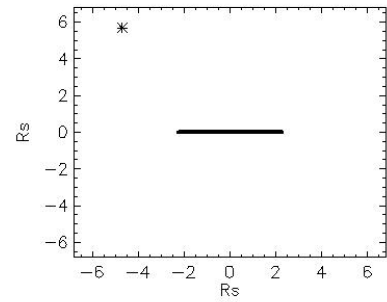
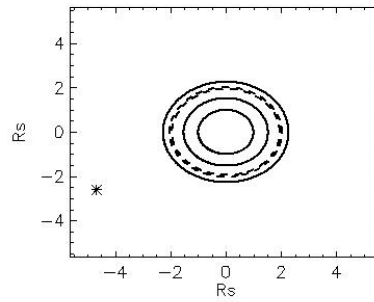
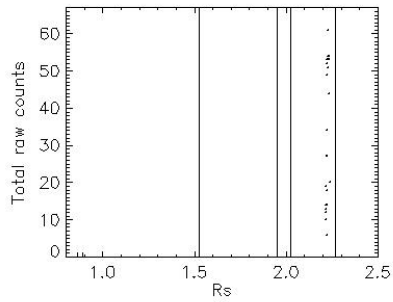
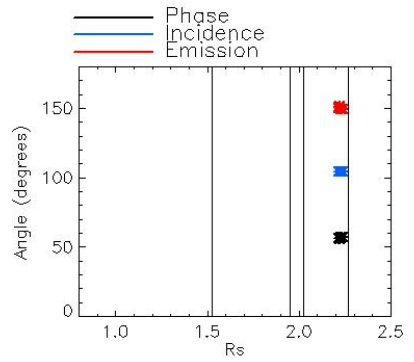
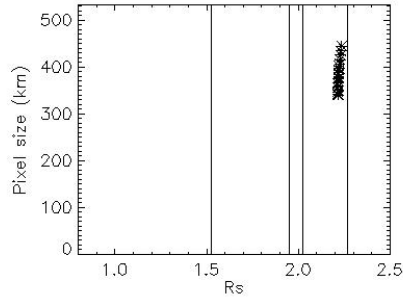
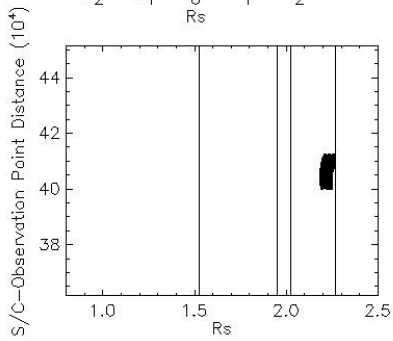


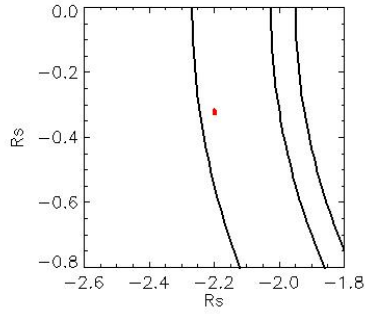
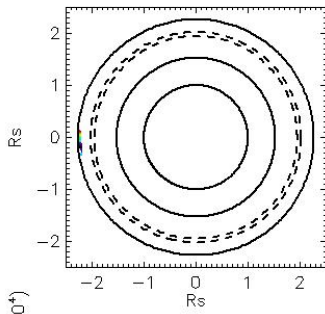
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_58_19

Observation Duration:
32 S

Integration time = 32 S



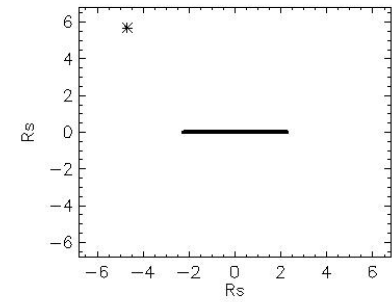
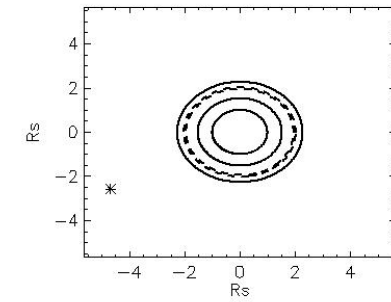
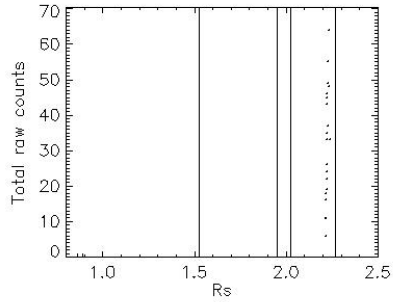
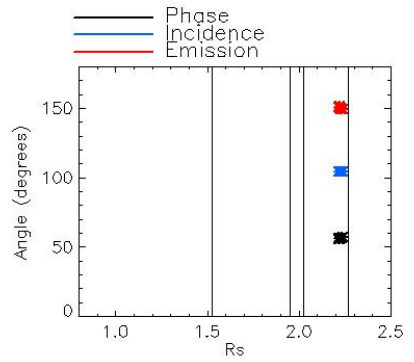
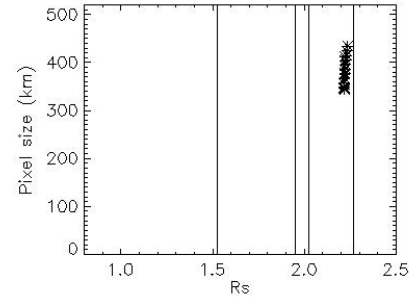
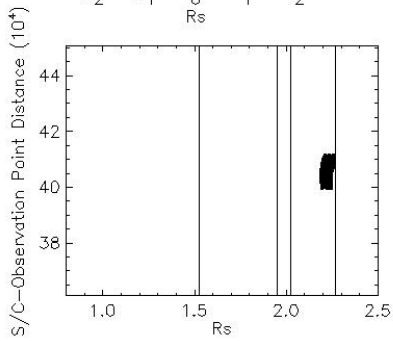


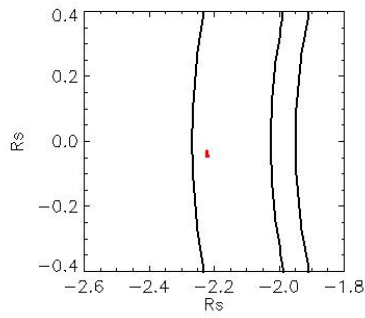
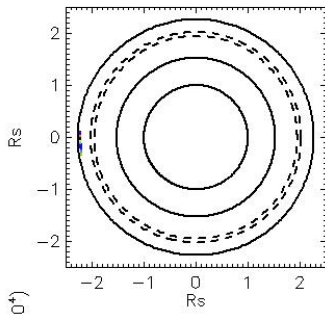
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_19_59_56

Observation Duration:
32 S

Integration time = 32 S



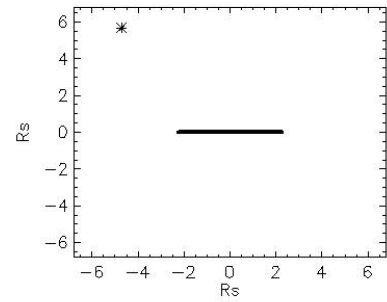
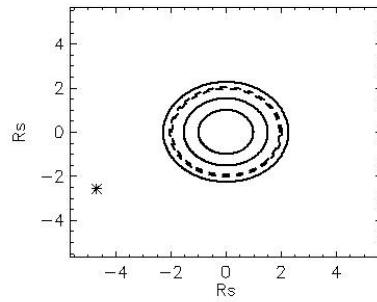
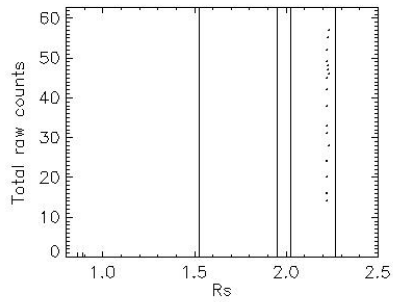
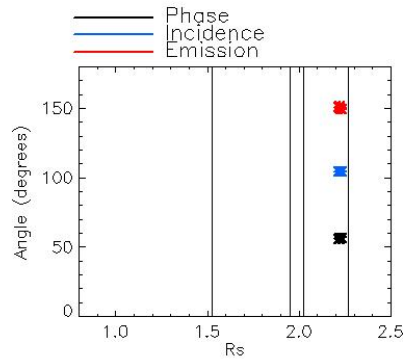
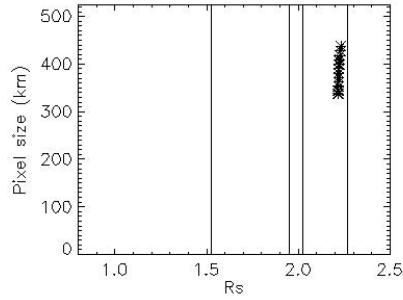
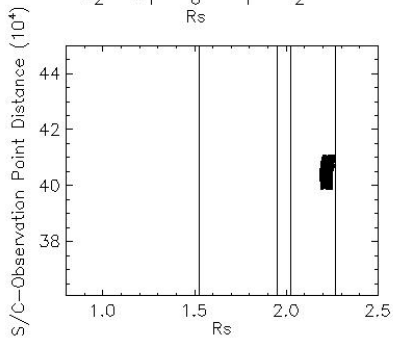


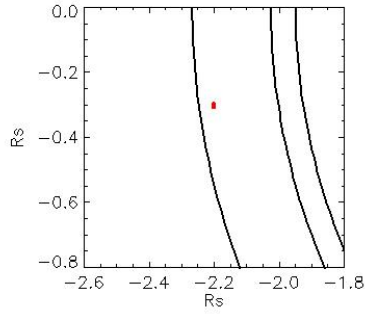
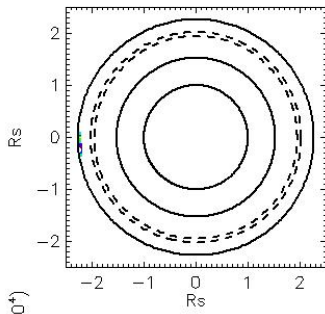
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_01_33

Observation Duration:
32 S

Integration time = 32 S



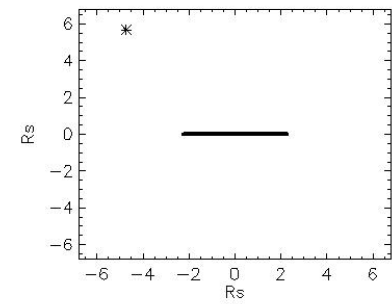
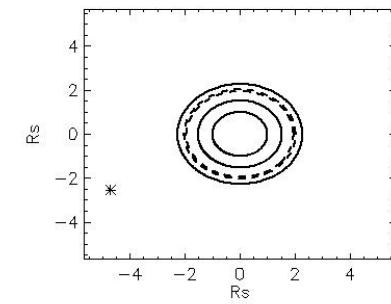
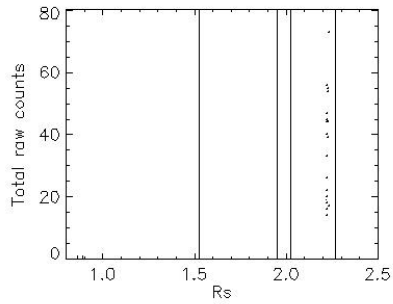
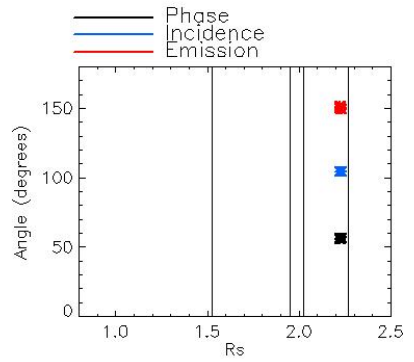
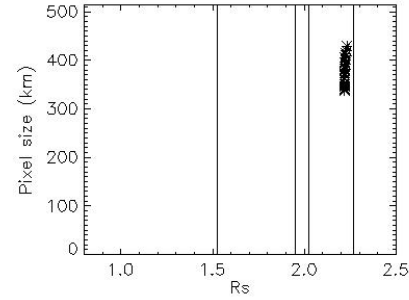
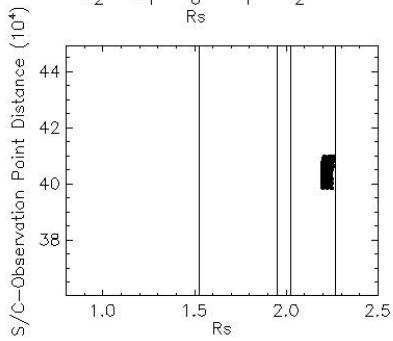


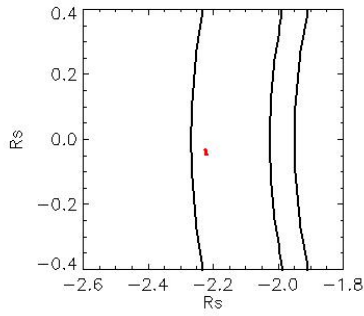
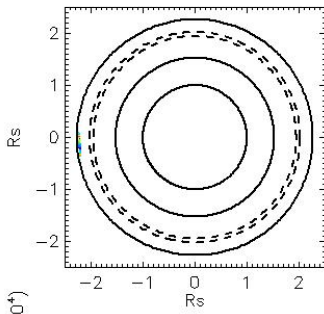
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_03_10

Observation Duration:
32 S

Integration time = 32 S



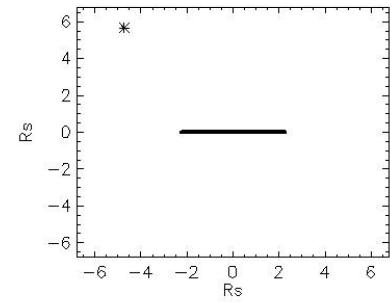
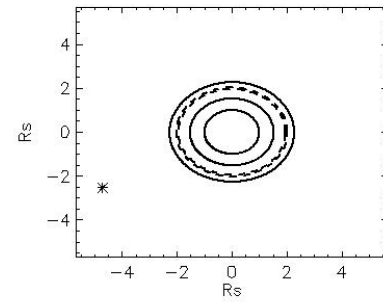
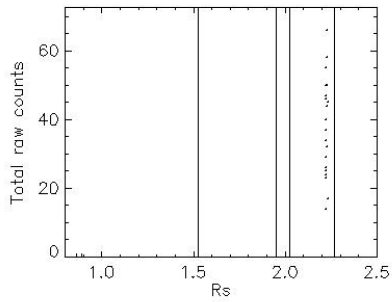
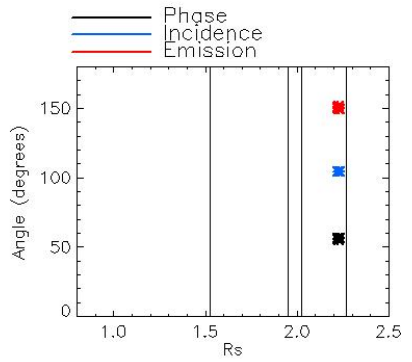
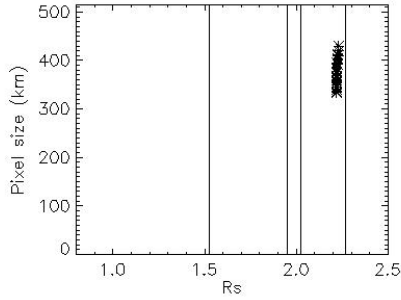
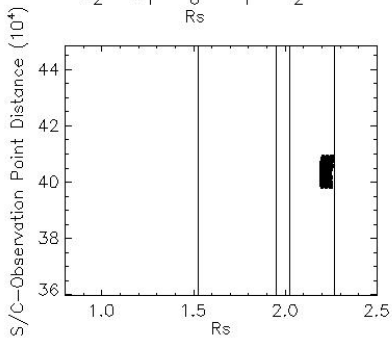


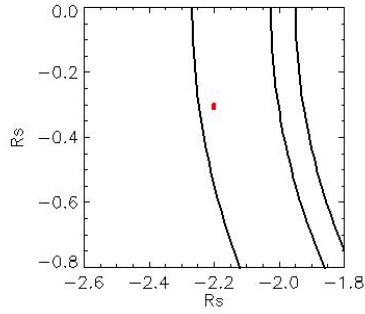
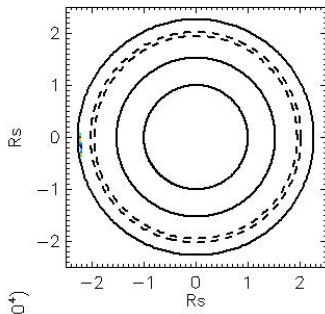
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_04_47

Observation Duration:
32 S

Integration time = 32 S



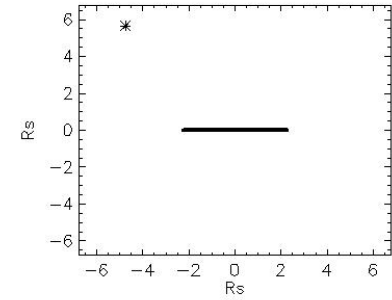
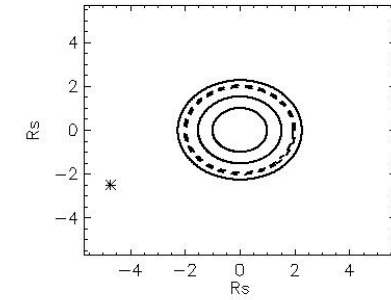
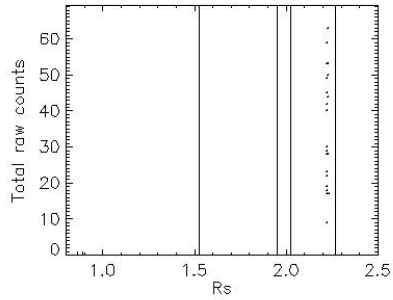
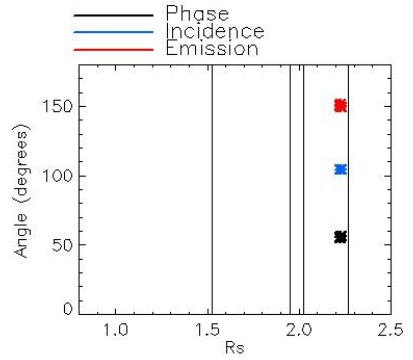
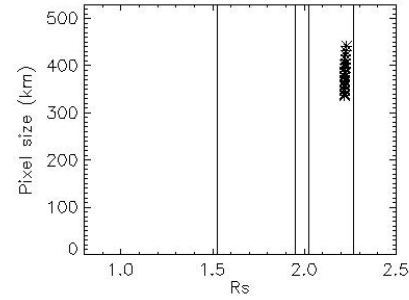
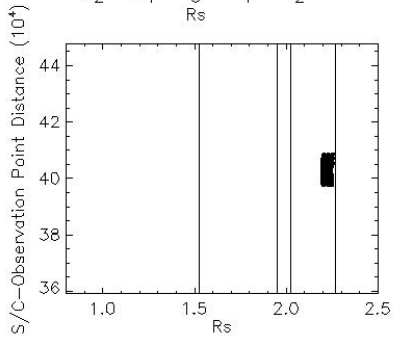


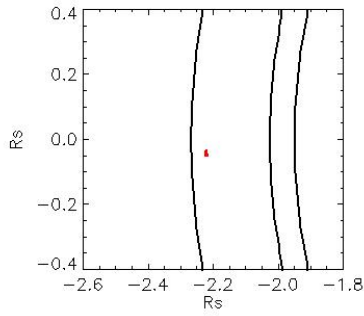
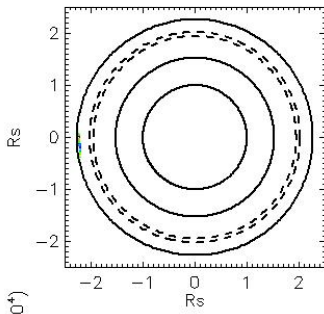
Observation Name:
UVS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_348_20_06_24

Observation Duration:
32 S

Integration time = 32 S



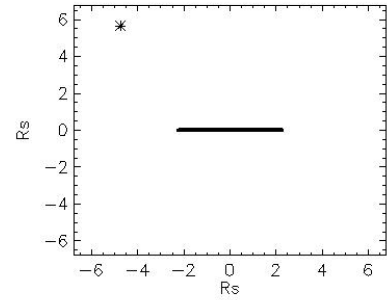
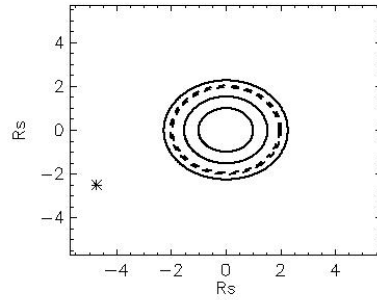
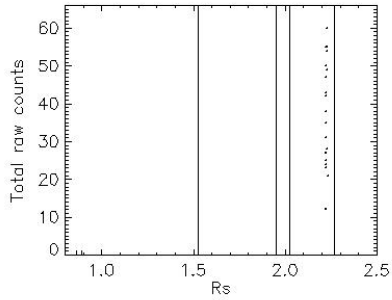
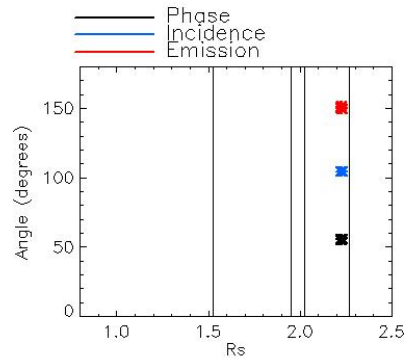
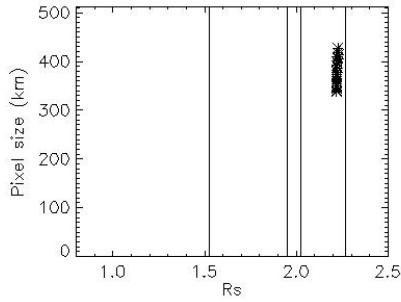
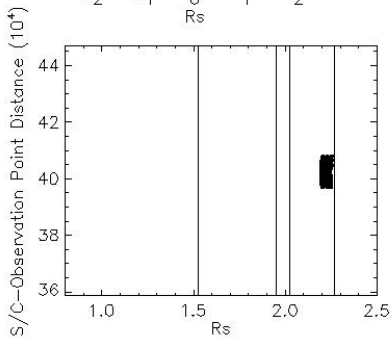


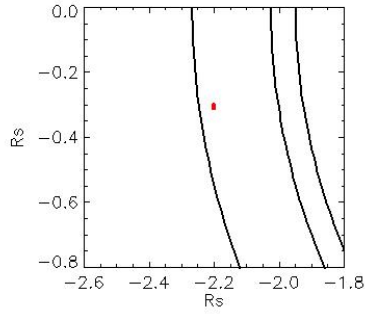
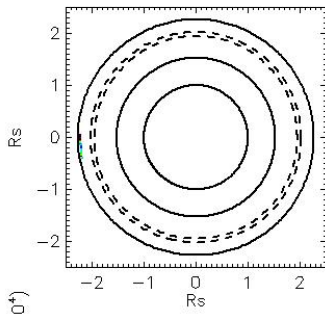
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_08_01

Observation Duration:
32 S

Integration time = 32 S



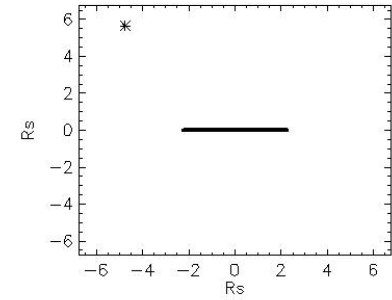
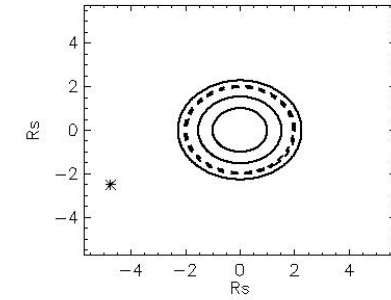
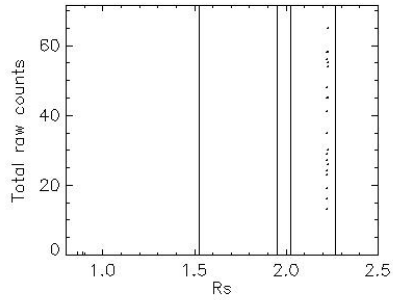
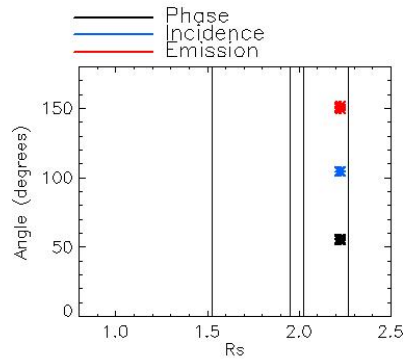
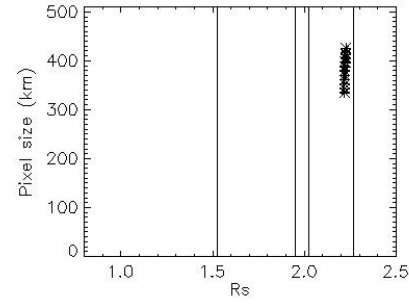
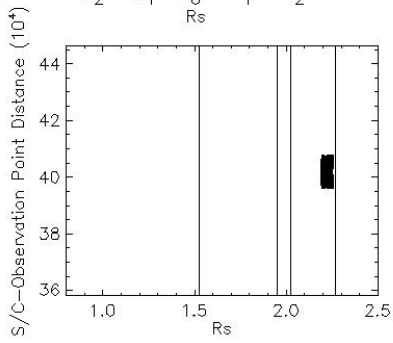


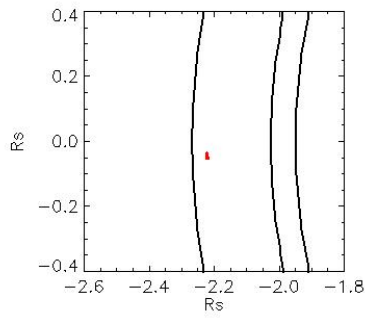
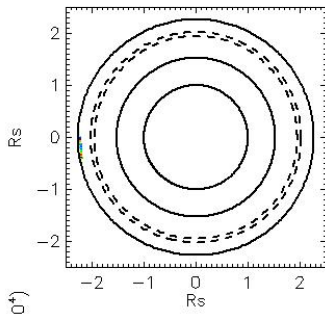
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_09_38

Observation Duration:
32 S

Integration time = 32 S



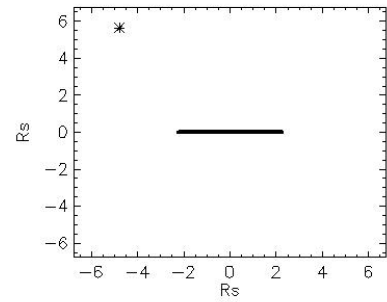
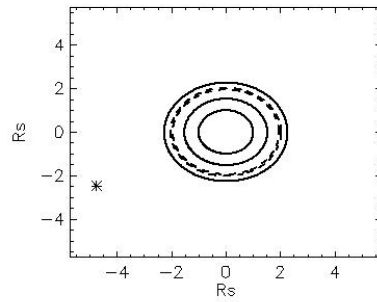
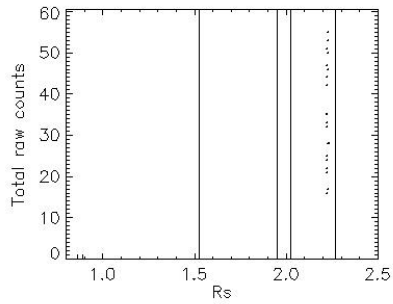
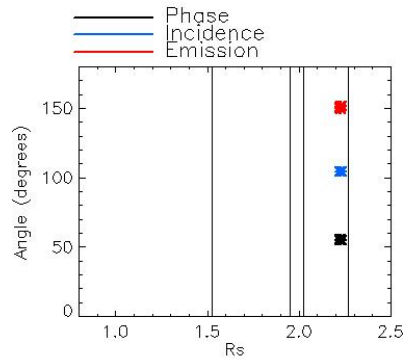
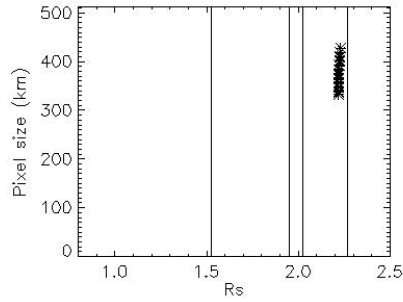
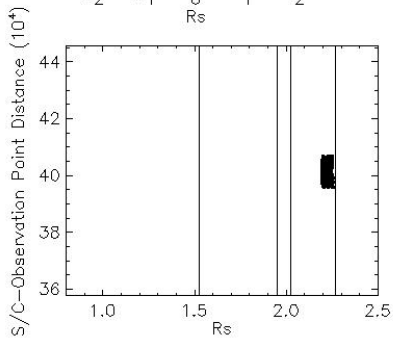


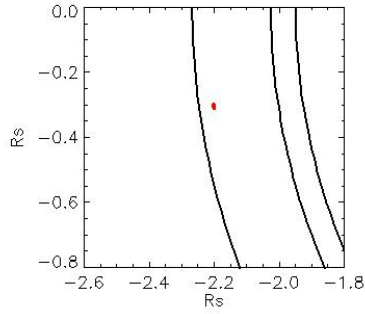
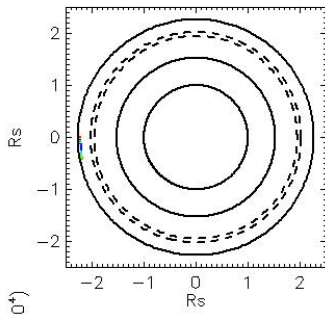
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_11_15

Observation Duration:
32 S

Integration time = 32 S



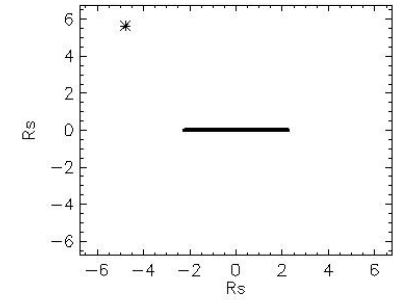
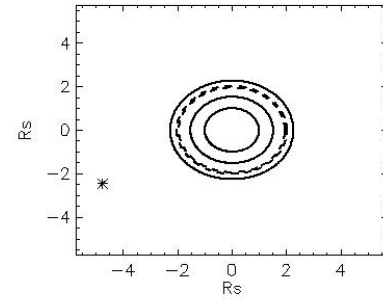
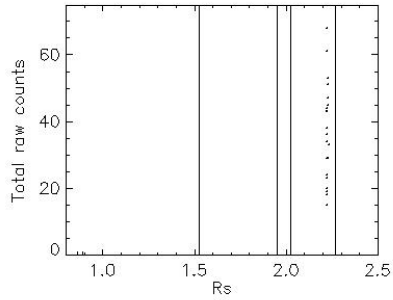
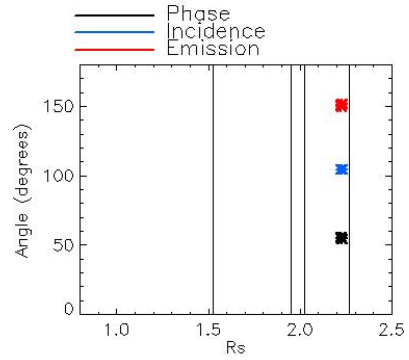
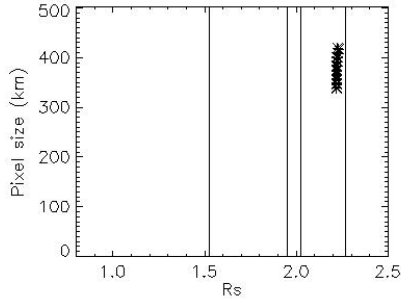
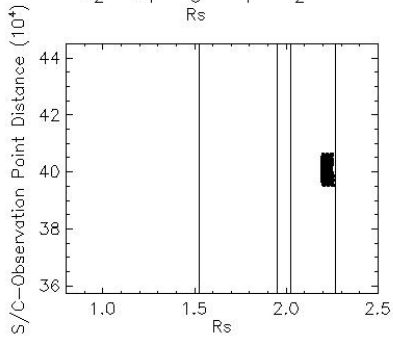


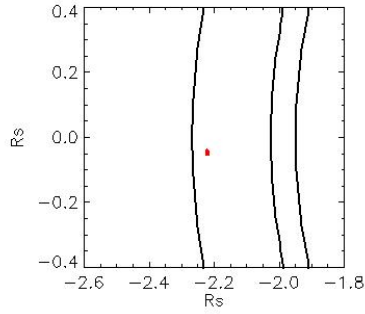
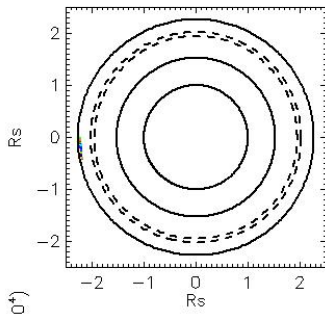
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_12_52

Observation Duration:
32 S

Integration time = 32 S



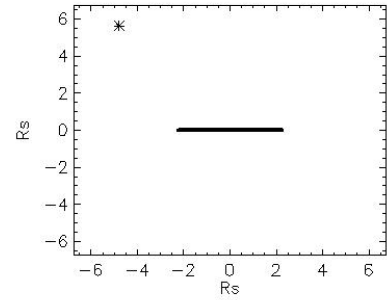
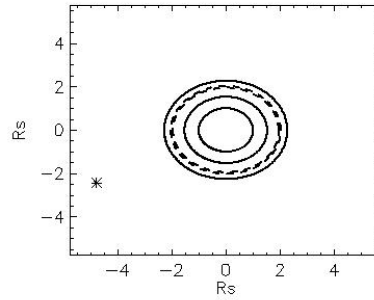
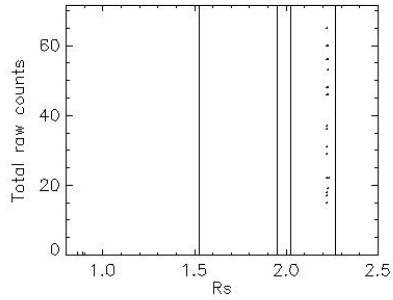
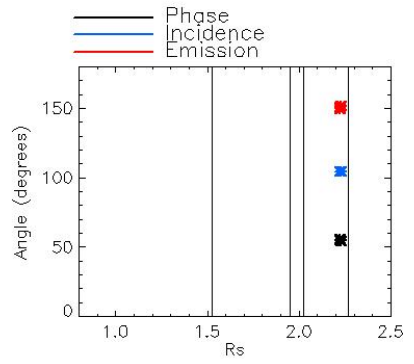
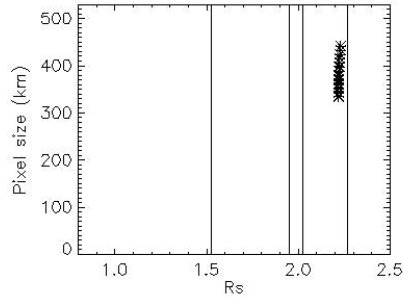
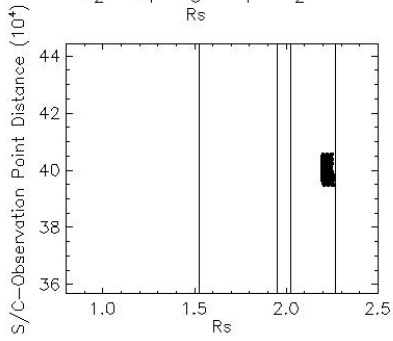


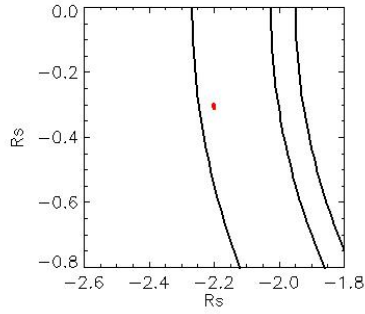
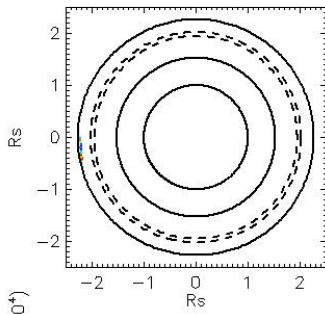
Observation Name:
UWS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_14_29

Observation Duration:
32 S

Integration time = 32 S



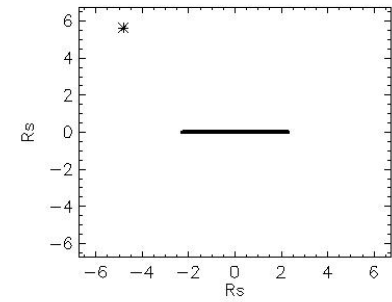
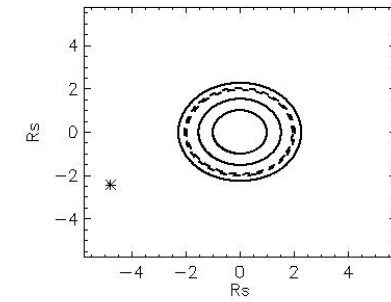
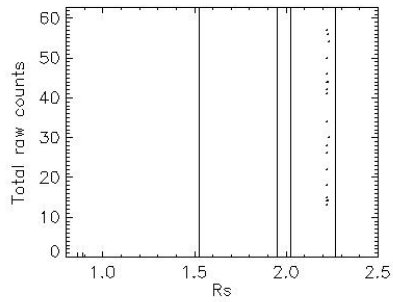
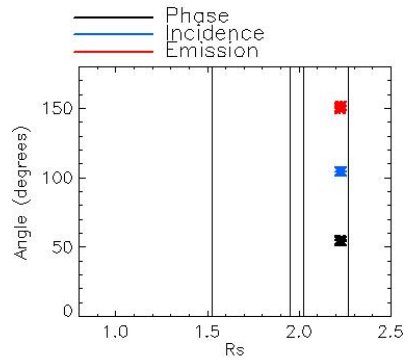
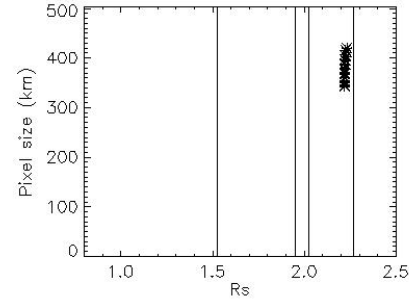
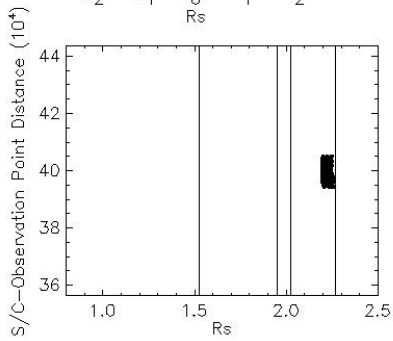


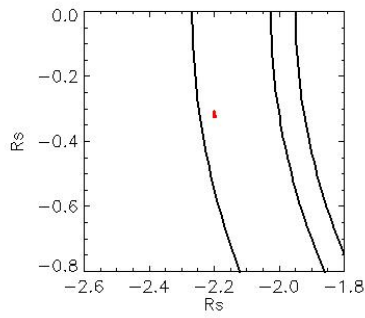
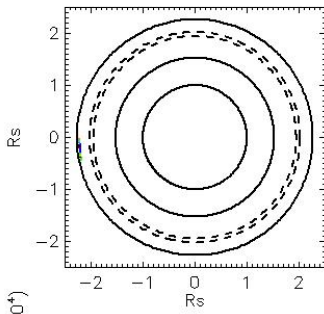
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_16_06

Observation Duration:
32 S

Integration time = 32 S



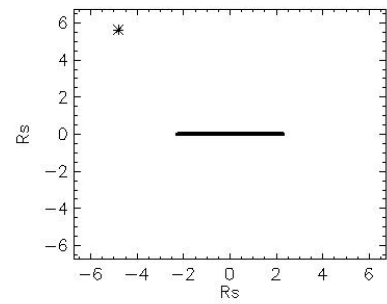
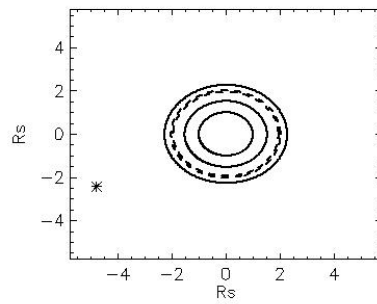
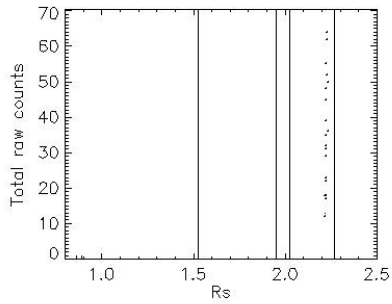
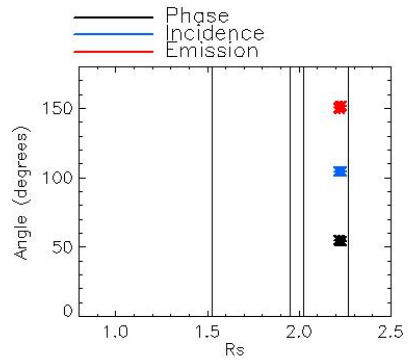
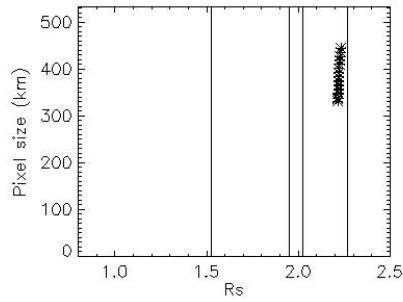
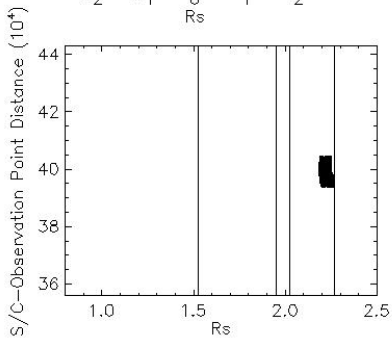


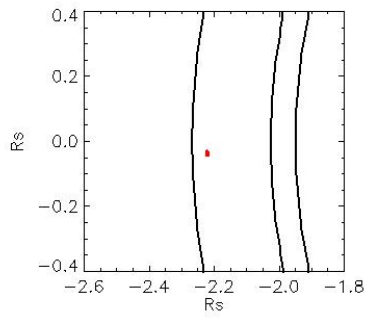
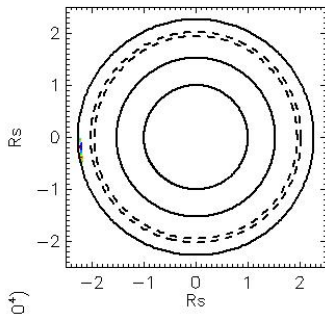
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_17_43

Observation Duration:
32 S

Integration time = 32 S



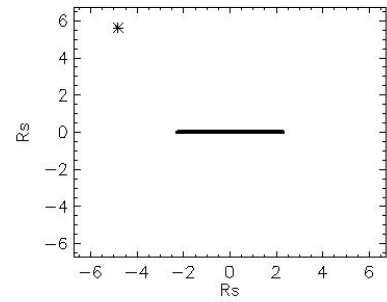
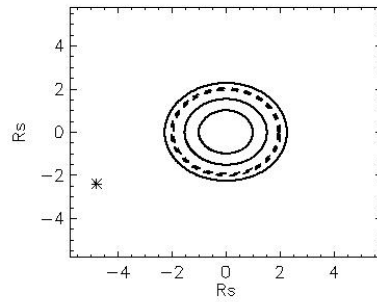
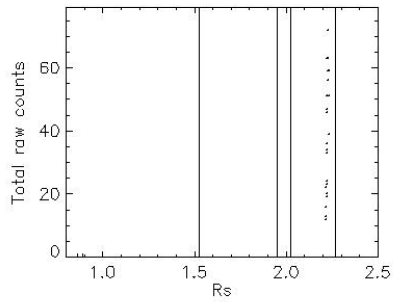
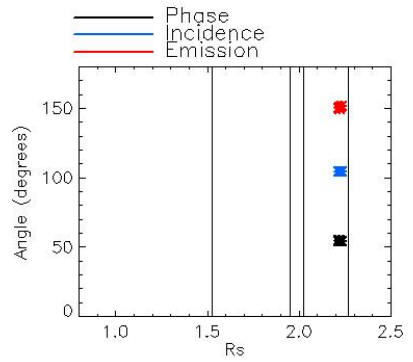
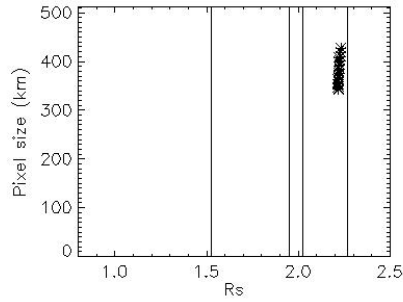
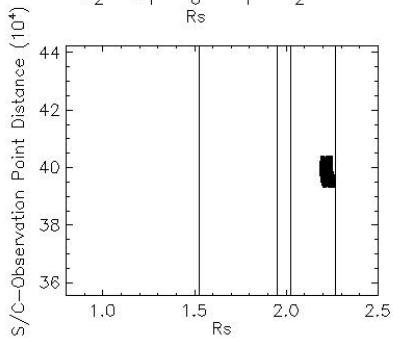


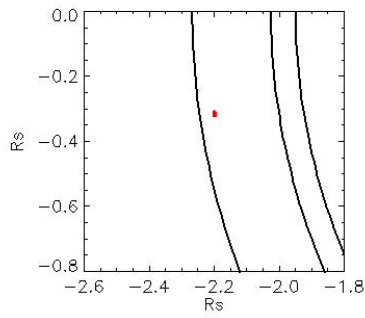
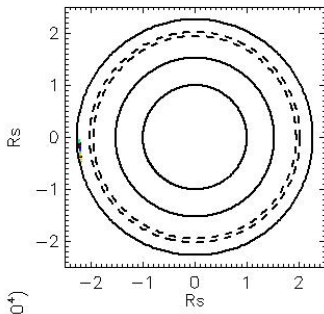
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_19_20

Observation Duration:
32 S

Integration time = 32 S



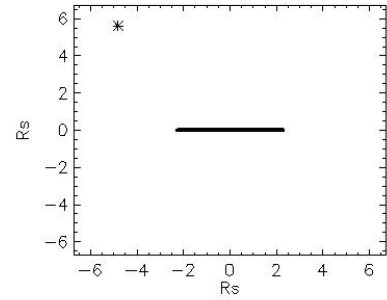
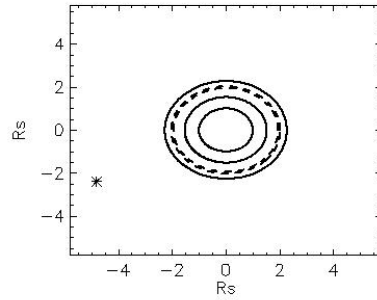
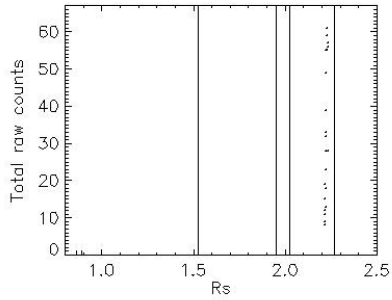
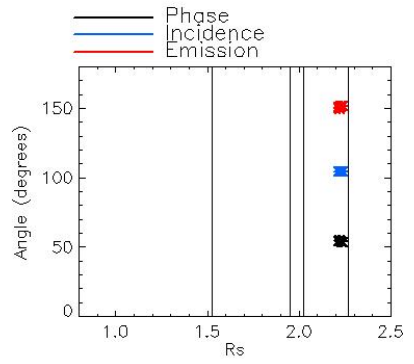
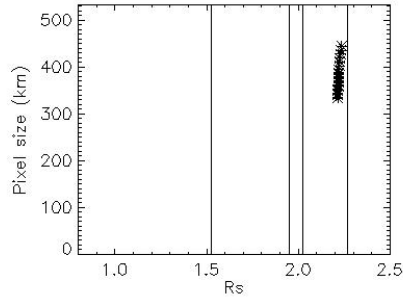
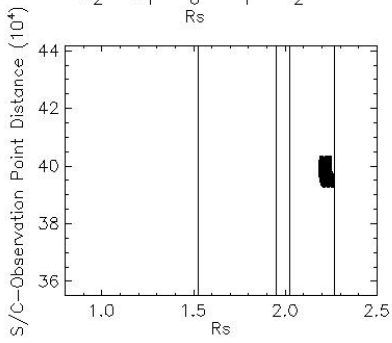


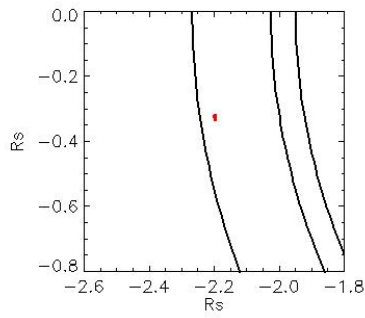
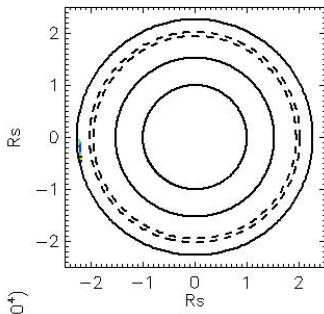
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_20_57

Observation Duration:
32 S

Integration time = 32 S



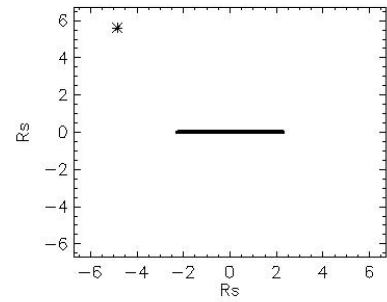
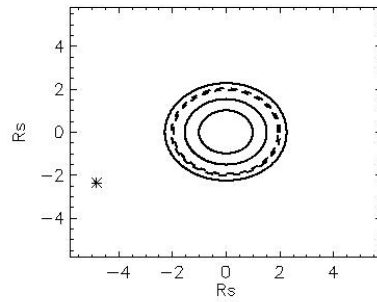
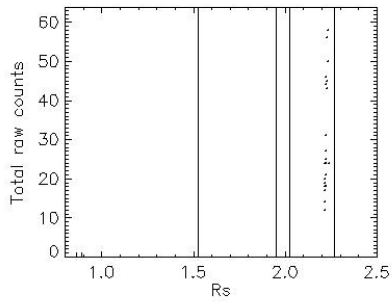
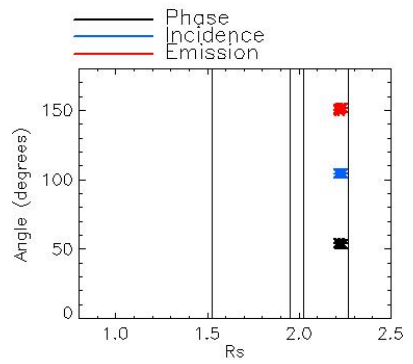
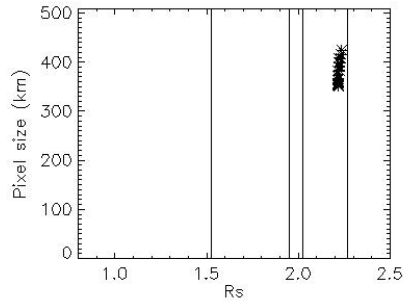
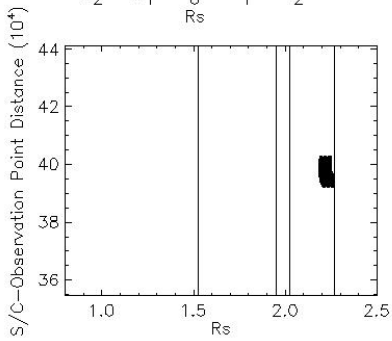


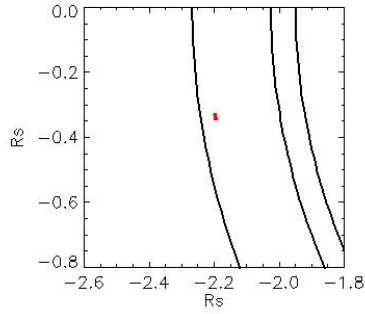
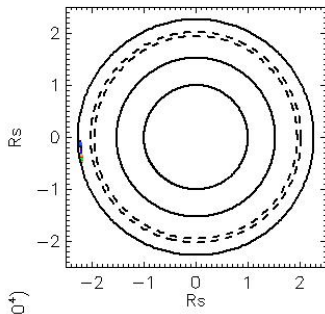
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_348_20_22_34

Observation Duration:
32 S

Integration time = 32 S



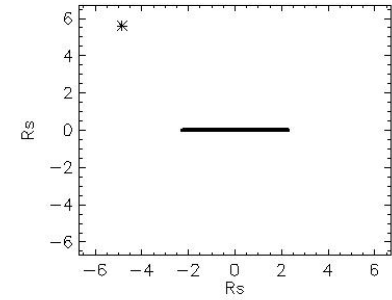
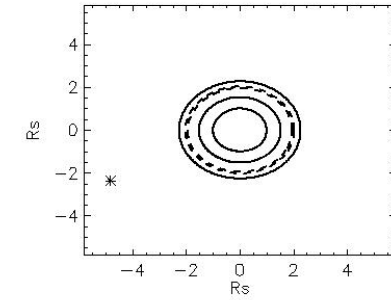
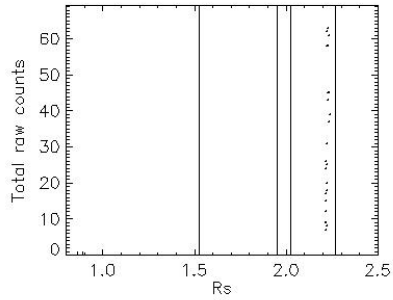
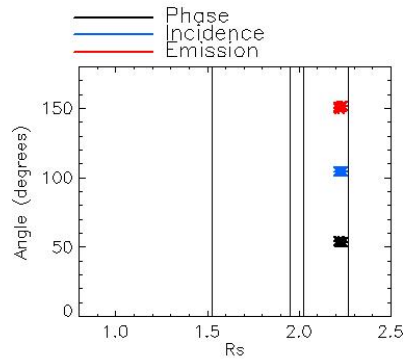
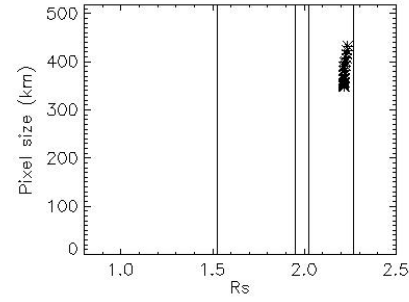
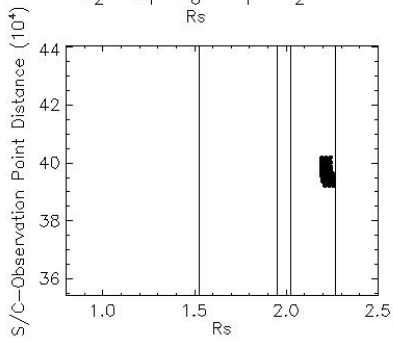


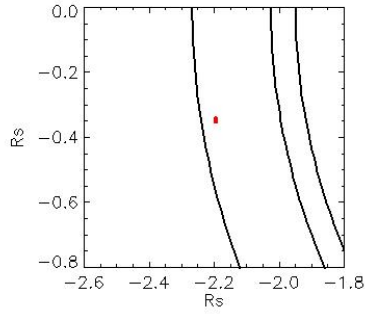
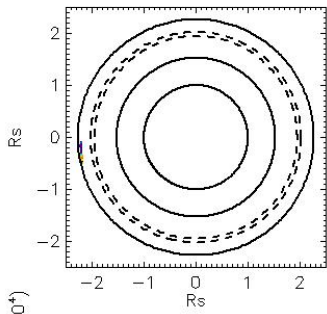
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_24_11

Observation Duration:
32 S

Integration time = 32 S



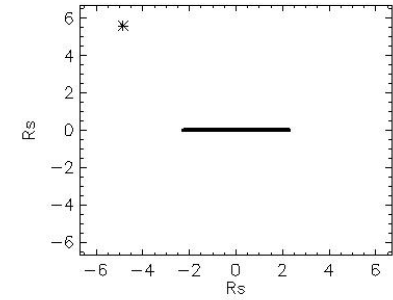
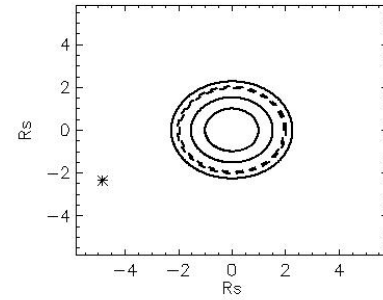
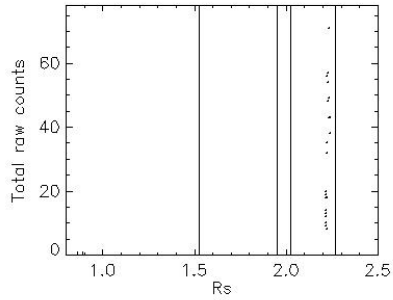
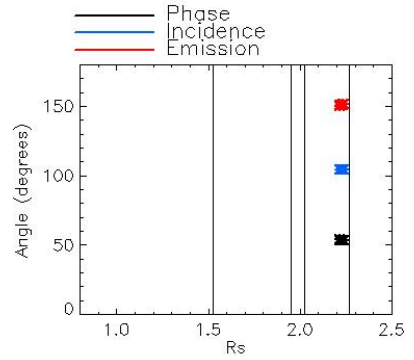
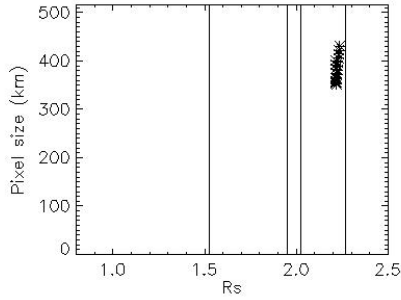
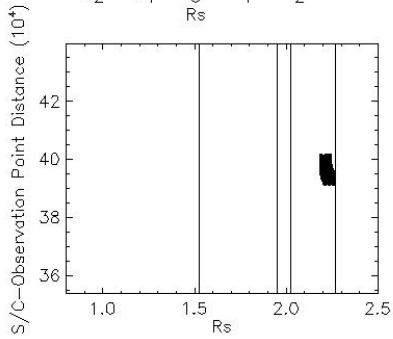


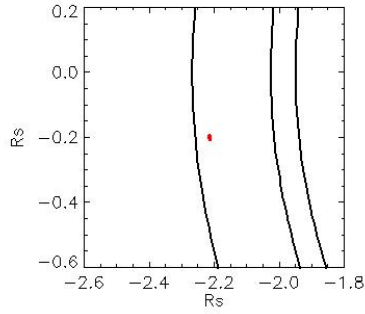
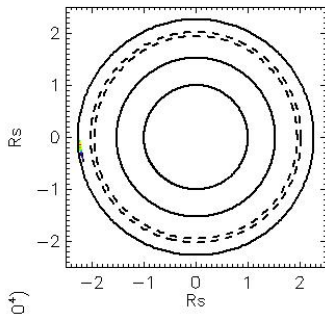
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_25_48

Observation Duration:
32 S

Integration time = 32 S



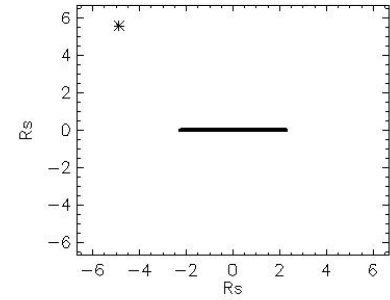
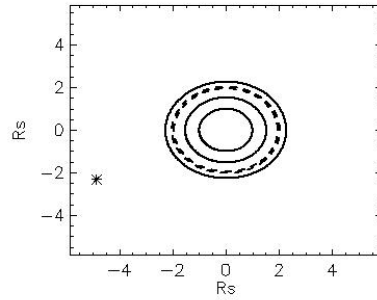
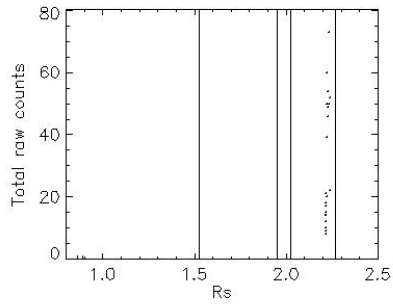
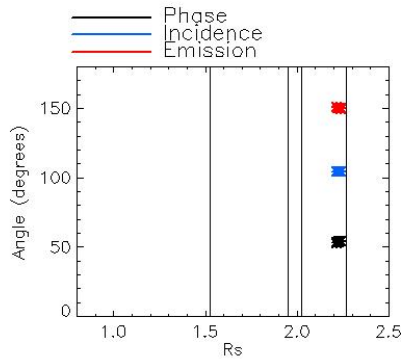
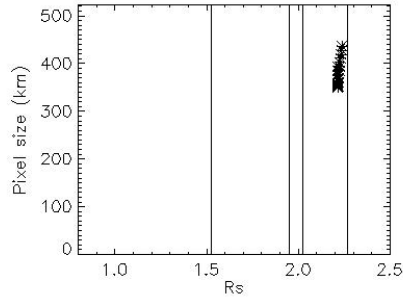
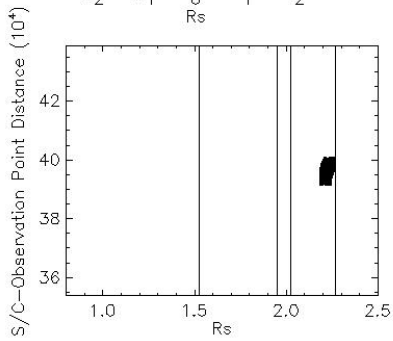


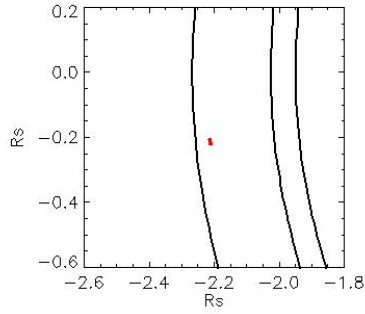
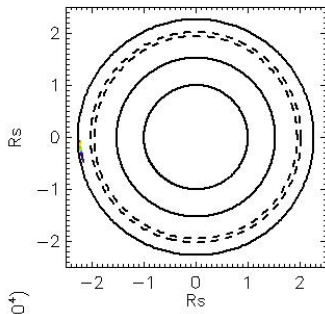
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_29_24

Observation Duration:
32 S

Integration time = 32 S



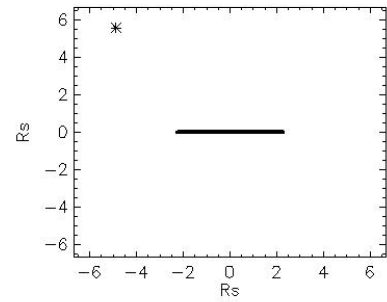
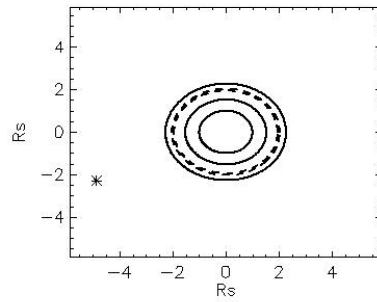
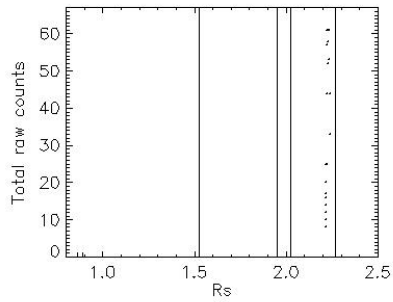
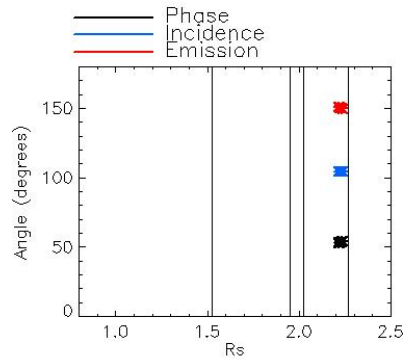
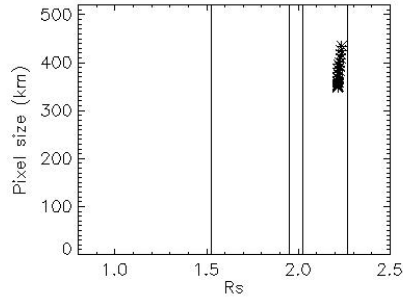
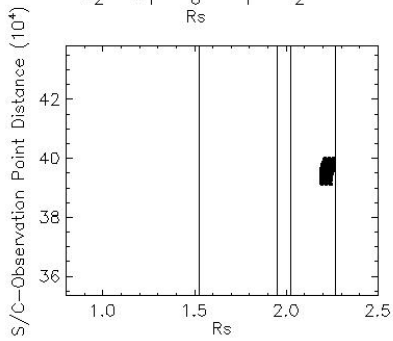


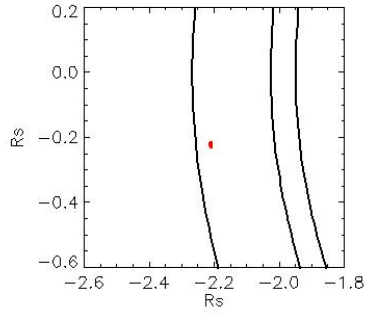
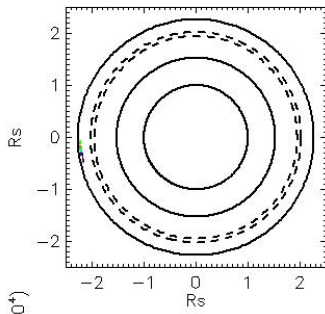
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_31_01

Observation Duration:
32 S

Integration time = 32 S



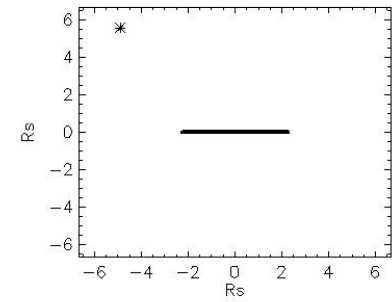
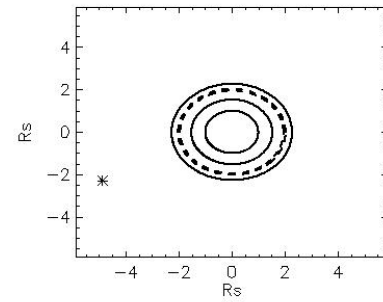
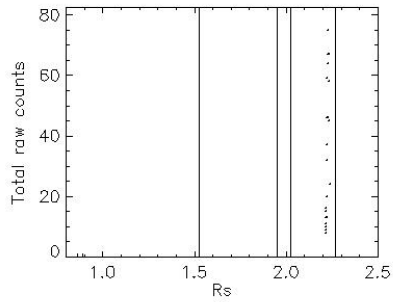
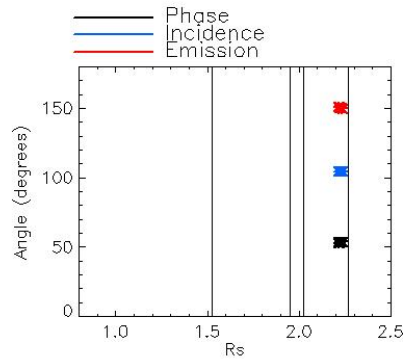
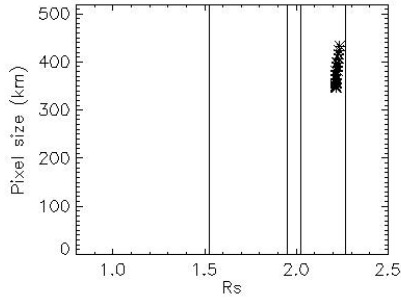
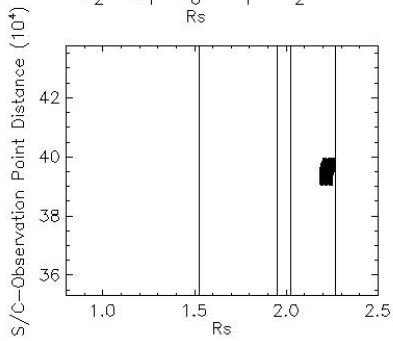


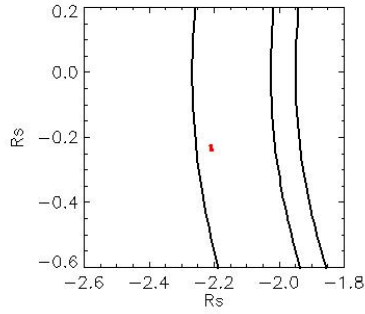
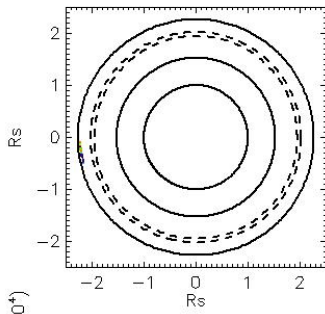
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_32_38

Observation Duration:
32 S

Integration time = 32 S



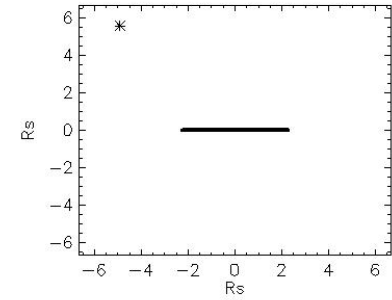
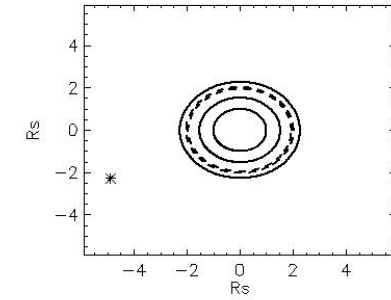
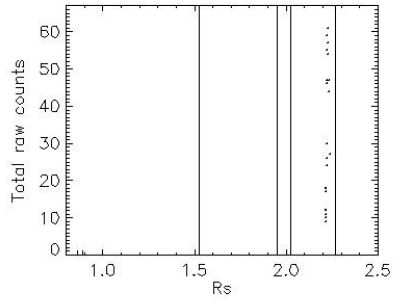
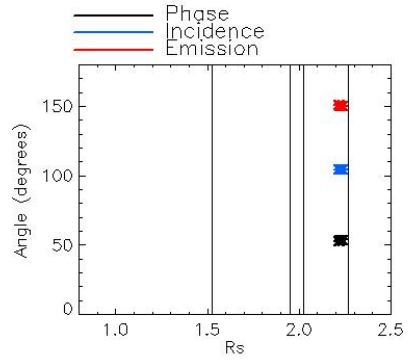
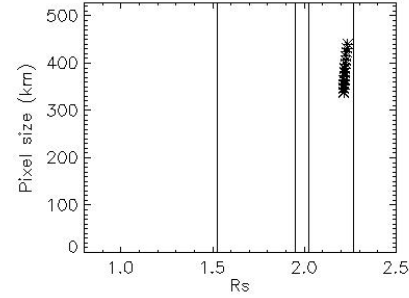
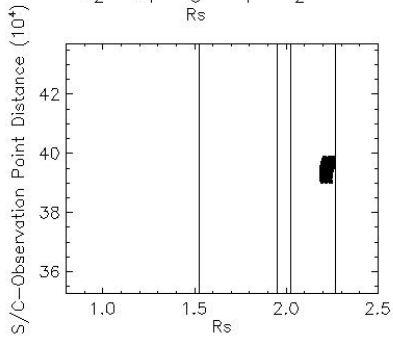


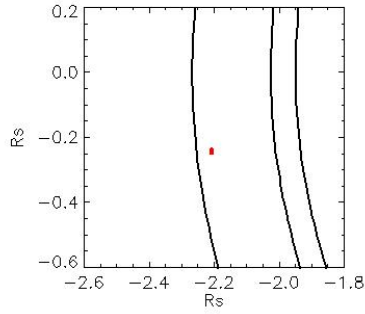
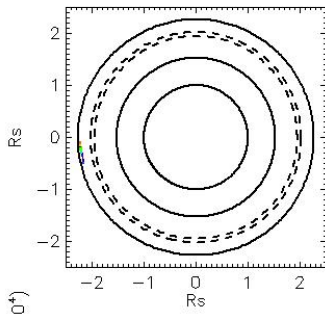
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_34_15

Observation Duration:
32 S

Integration time = 32 S



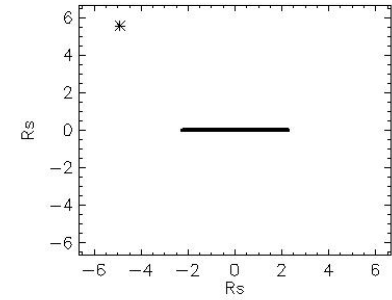
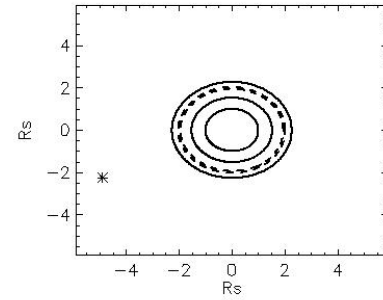
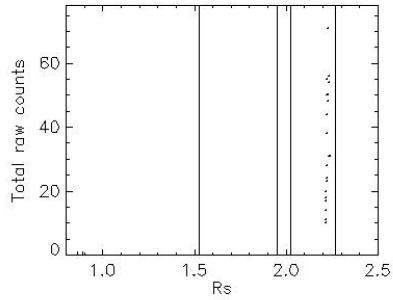
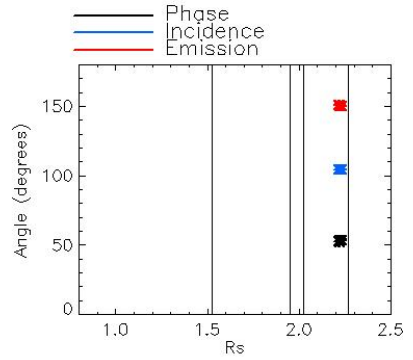
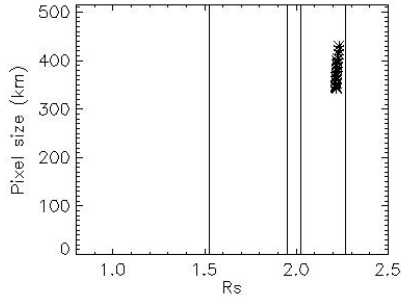
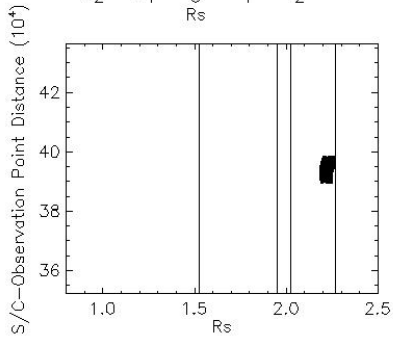


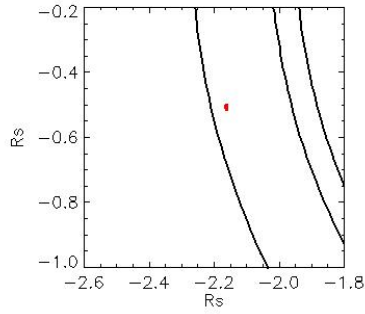
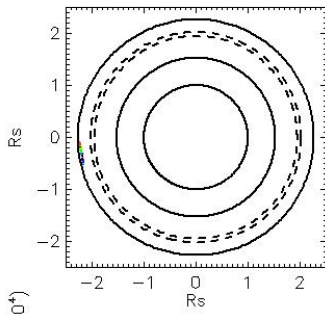
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_35_52

Observation Duration:
32 S

Integration time = 32 S



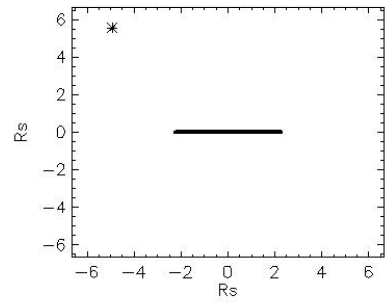
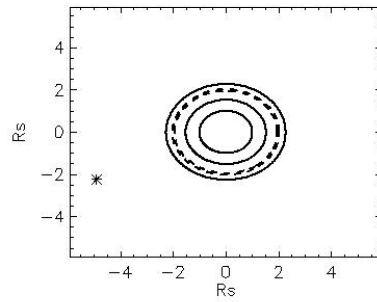
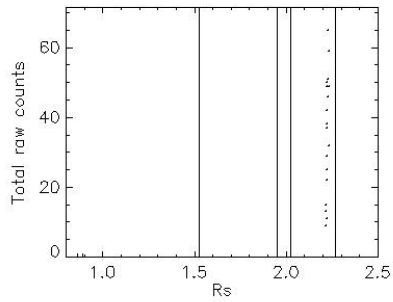
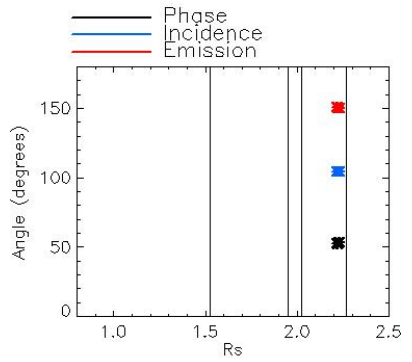
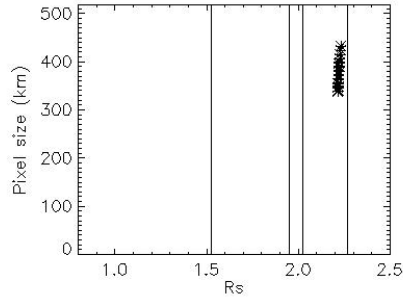
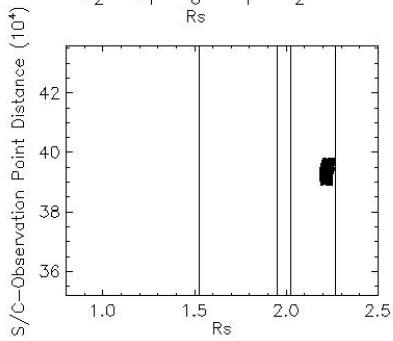


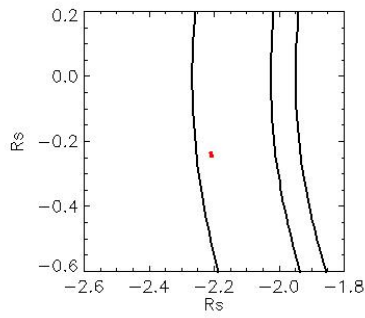
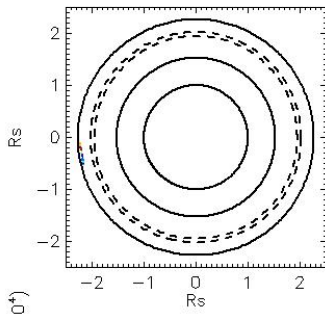
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_37_29

Observation Duration:
32 S

Integration time = 32 S



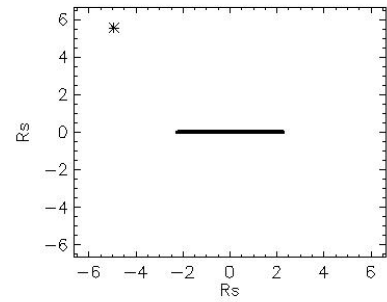
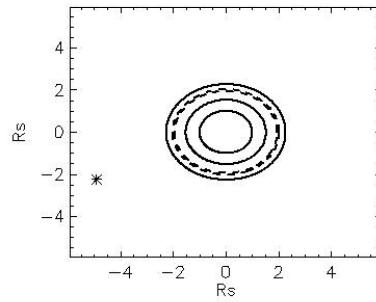
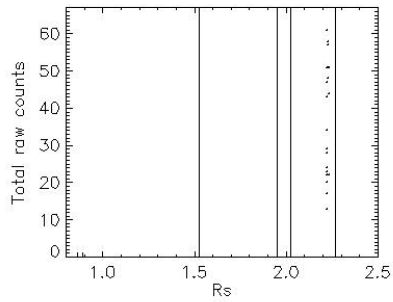
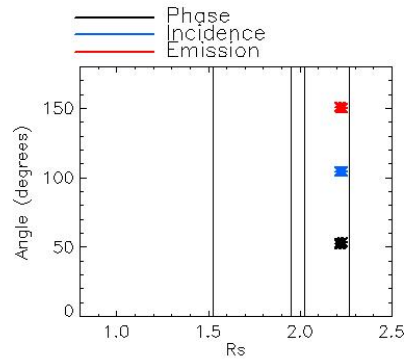
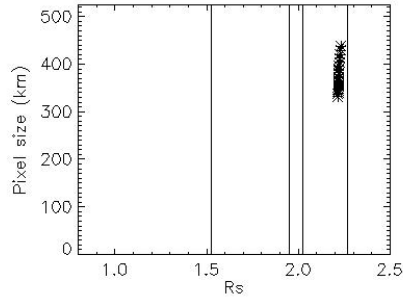
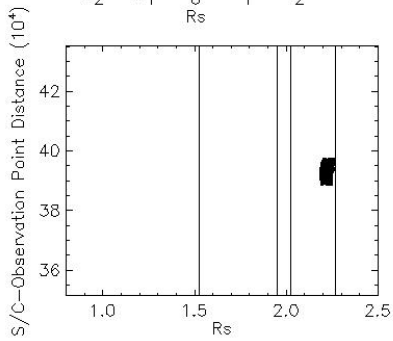


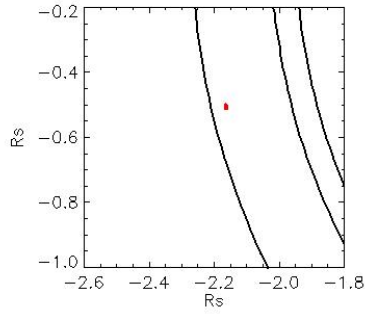
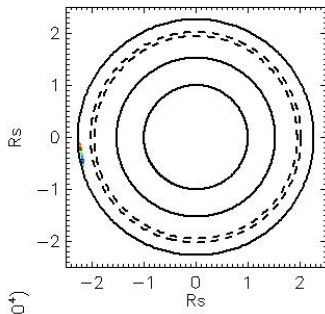
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_39_06

Observation Duration:
32 S

Integration time = 32 S



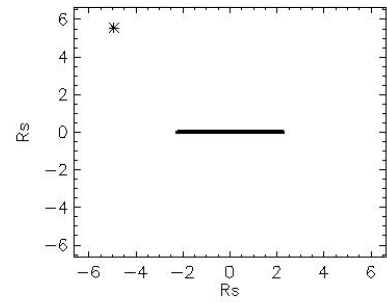
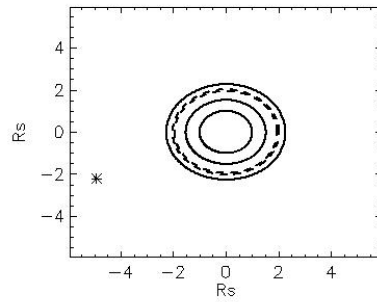
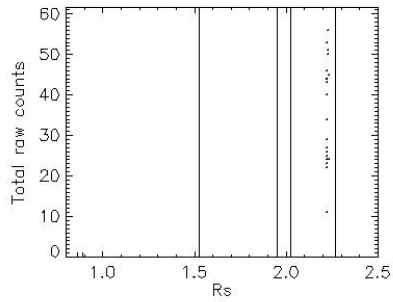
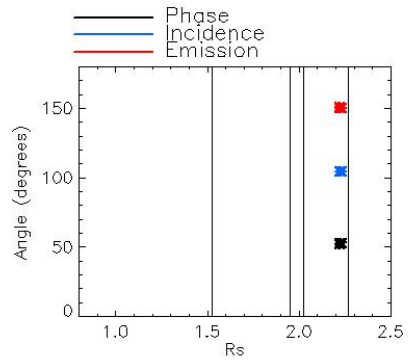
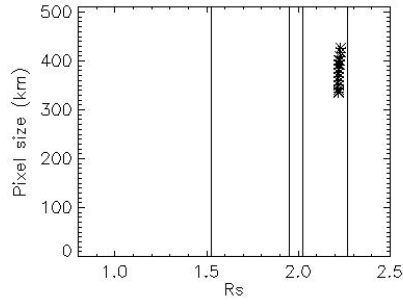
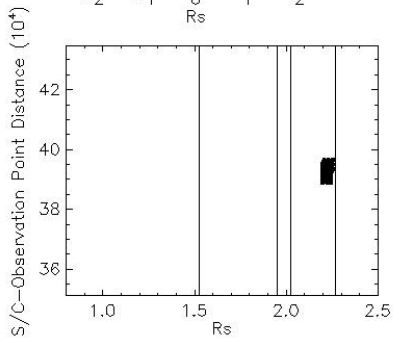


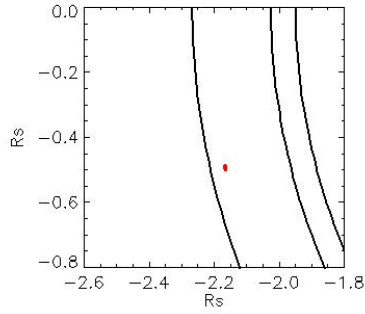
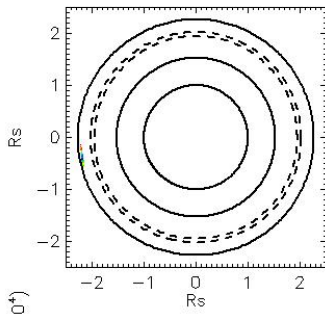
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_40_43

Observation Duration:
32 S

Integration time = 32 S



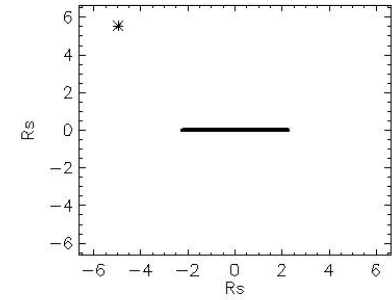
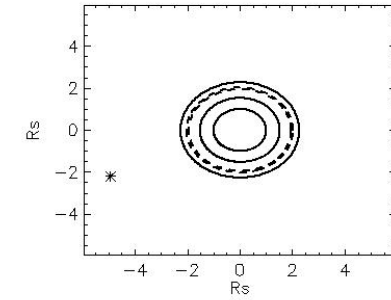
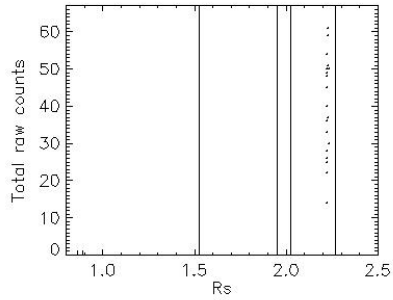
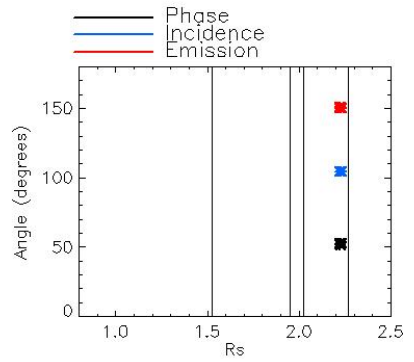
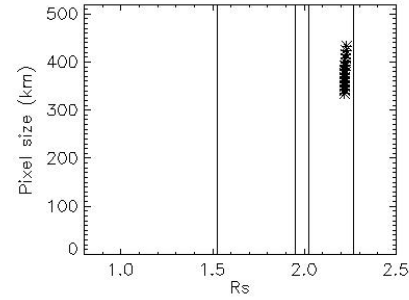
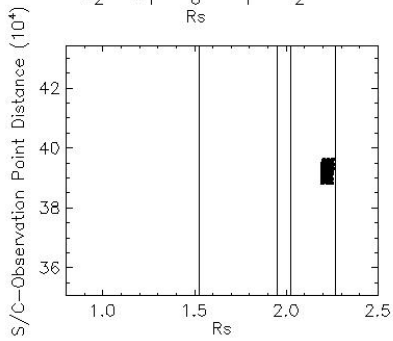


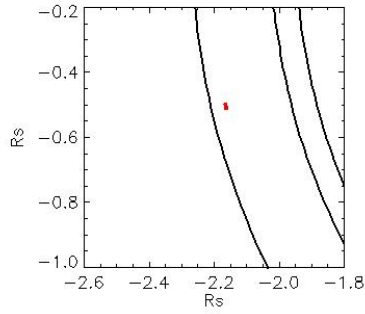
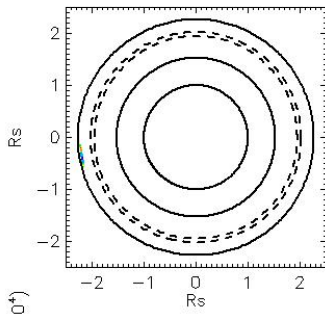
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_42_20

Observation Duration:
32 S

Integration time = 32 S



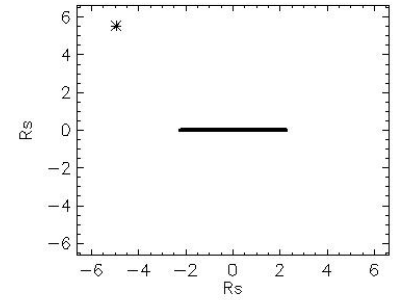
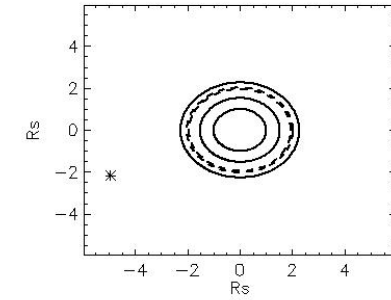
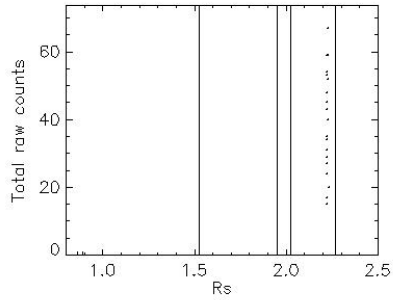
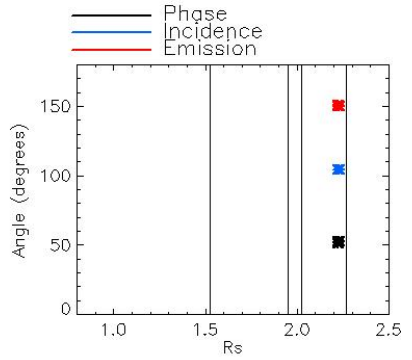
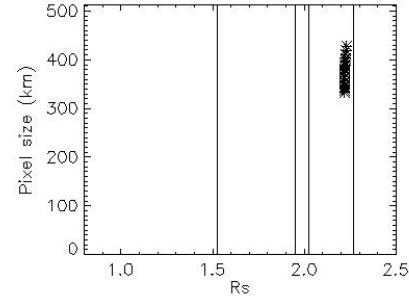
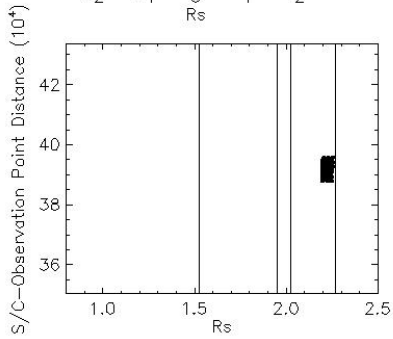


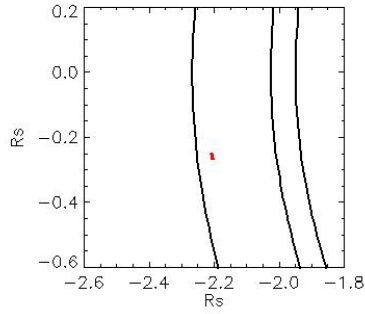
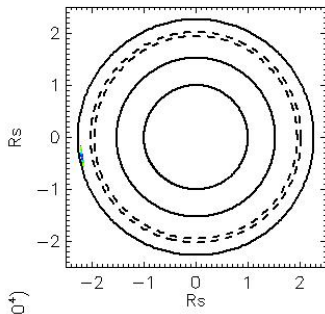
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_43_57

Observation Duration:
32 S

Integration time = 32 S



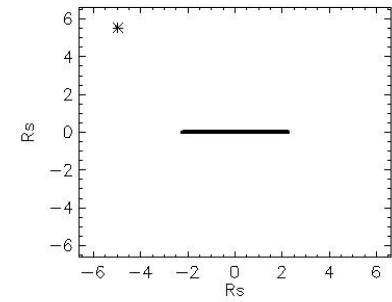
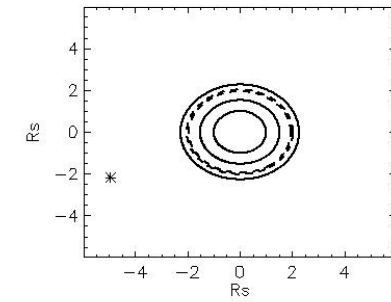
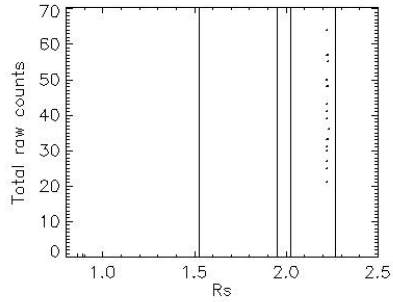
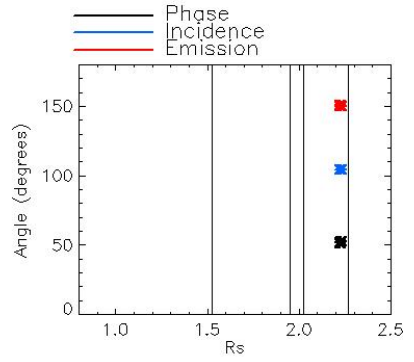
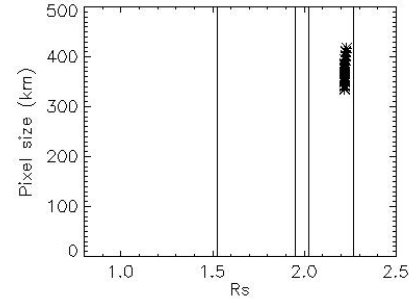
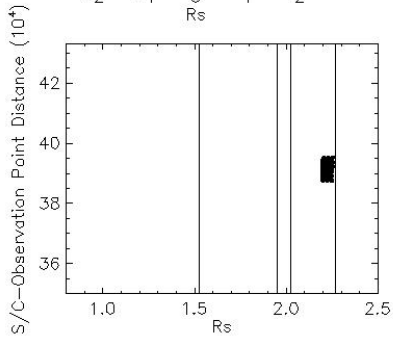


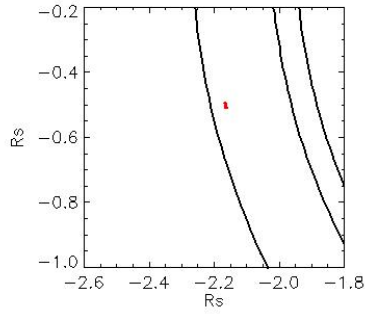
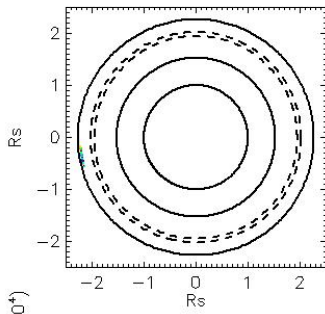
Observation Name:
UMS_035RLAZSCNL0PH001_ISS

Observation Date:
2006_348_20_45_34

Observation Duration:
32 S

Integration time = 32 S



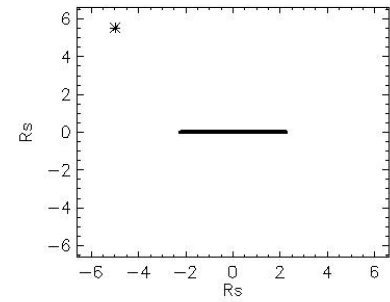
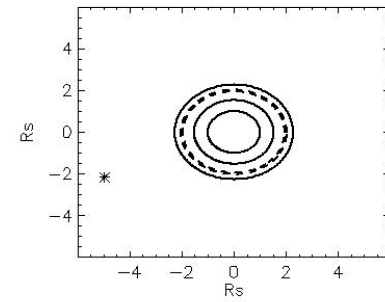
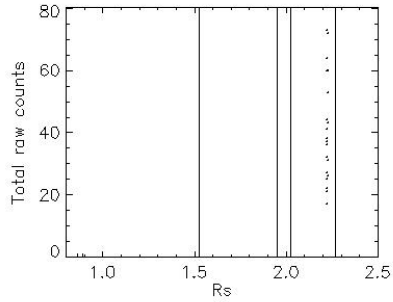
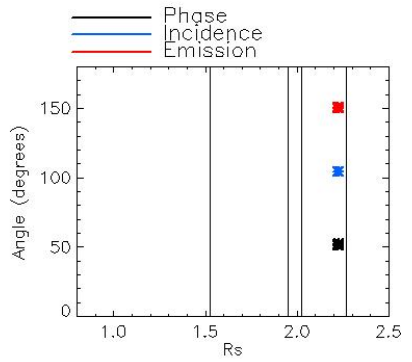
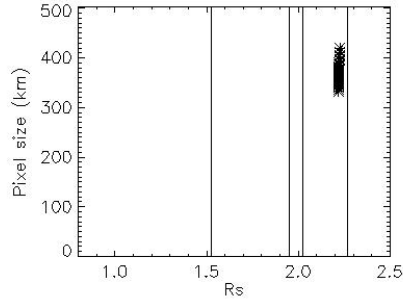
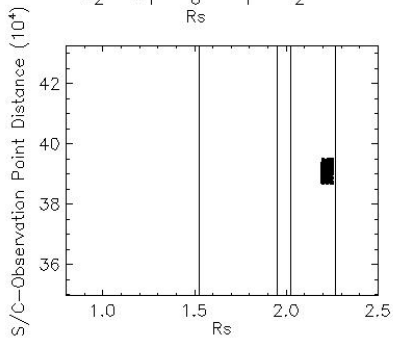


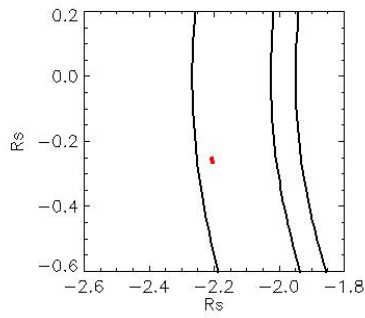
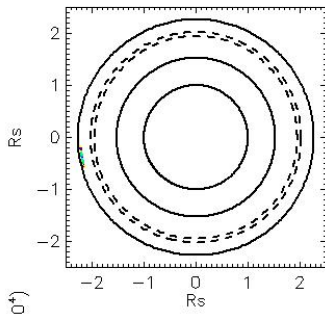
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_47_11

Observation Duration:
32 S

Integration time = 32 S



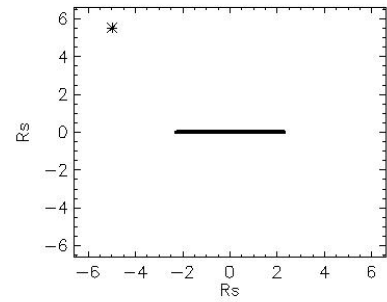
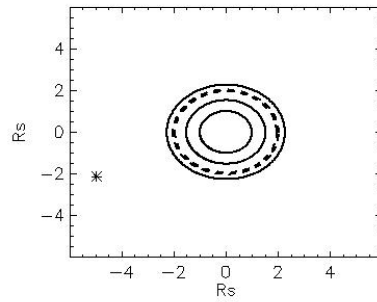
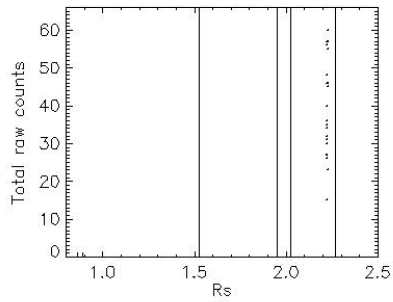
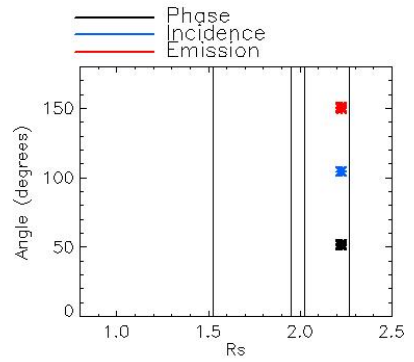
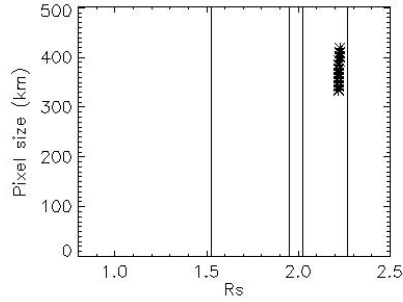
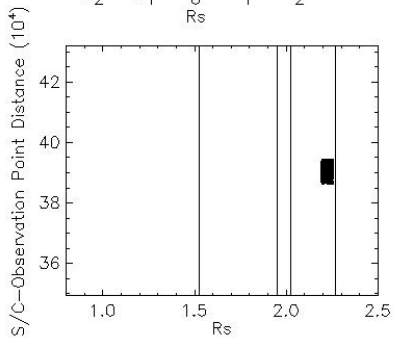


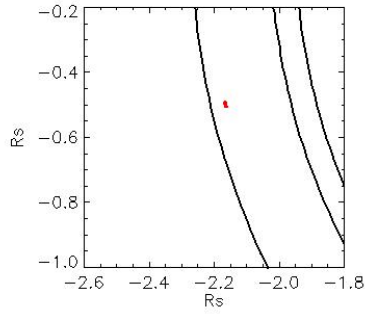
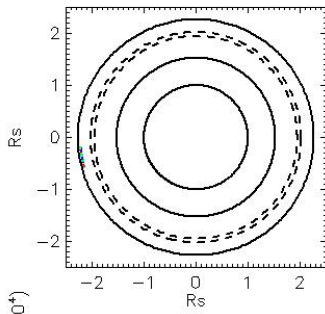
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_48_48

Observation Duration:
32 S

Integration time = 32 S



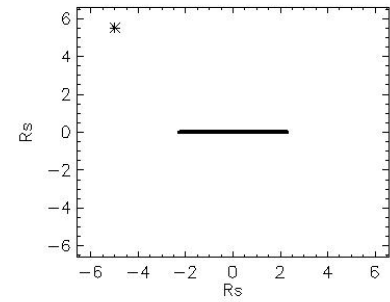
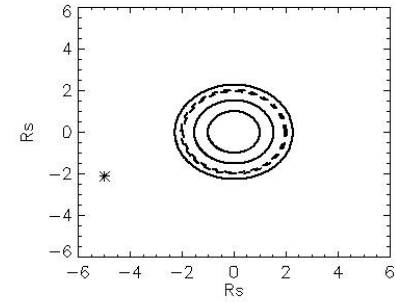
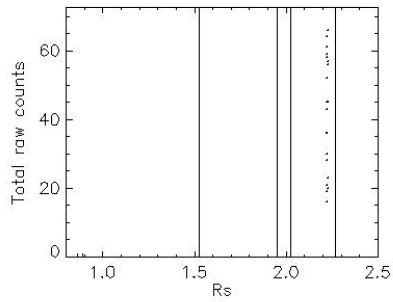
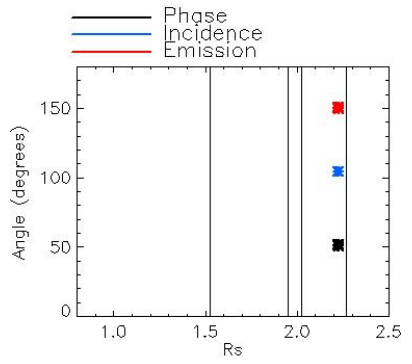
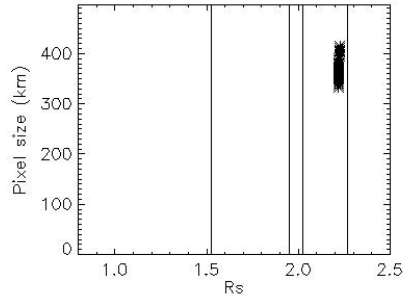
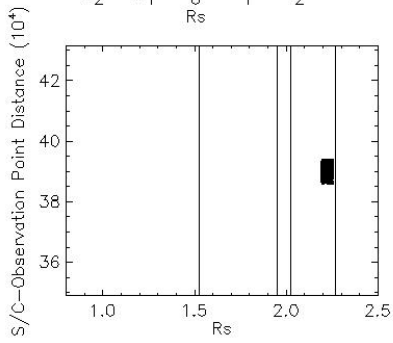


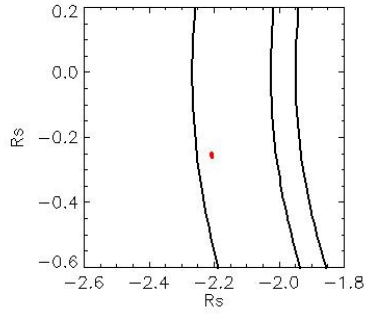
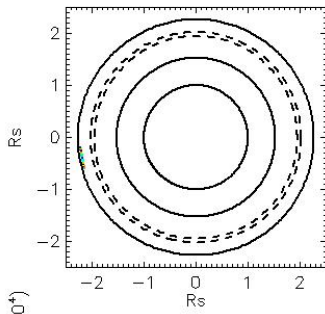
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_50_25

Observation Duration:
32 S

Integration time = 32 S



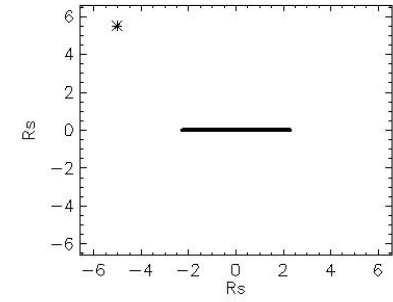
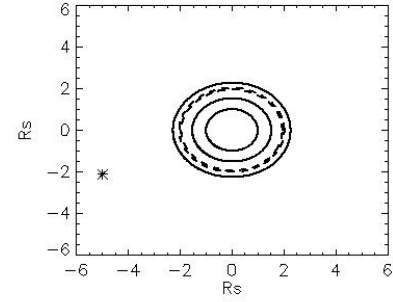
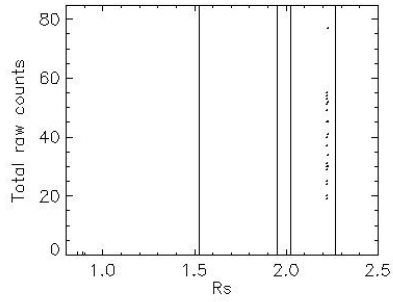
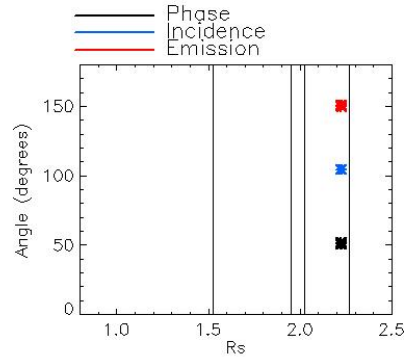
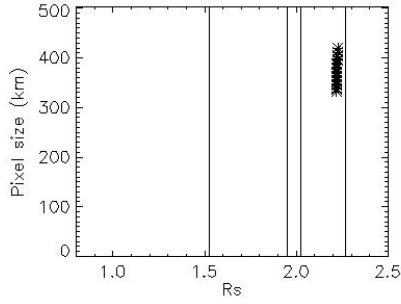
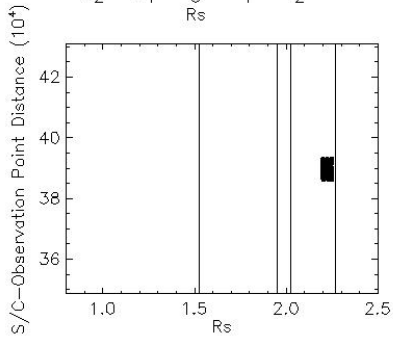


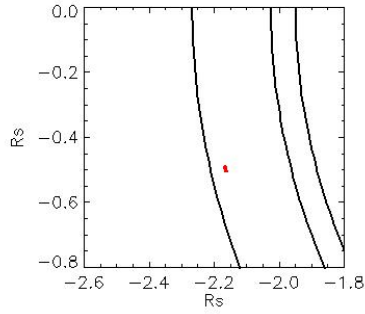
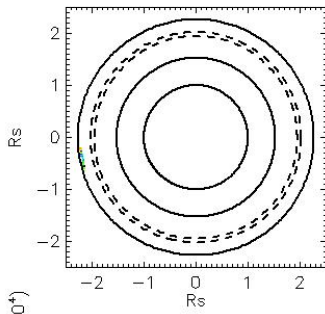
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_52_02

Observation Duration:
32 S

Integration time = 32 S



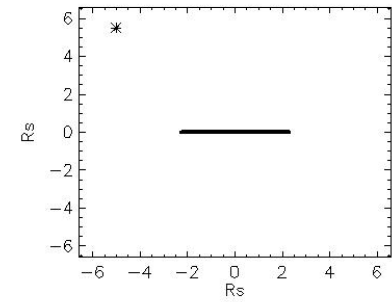
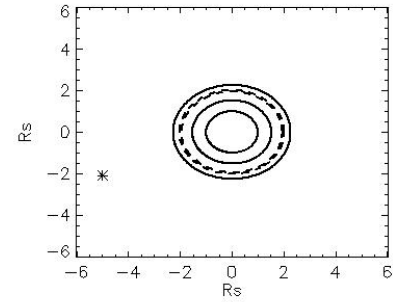
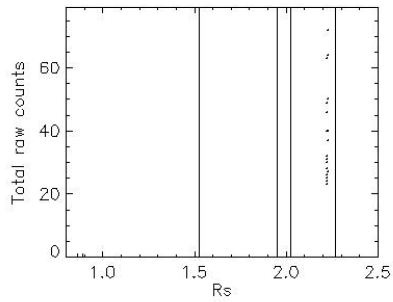
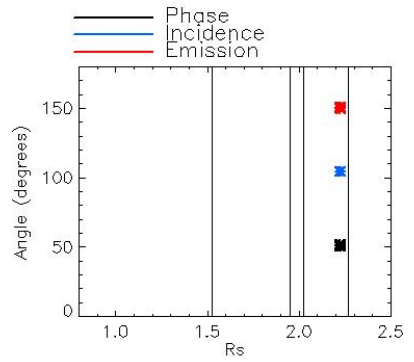
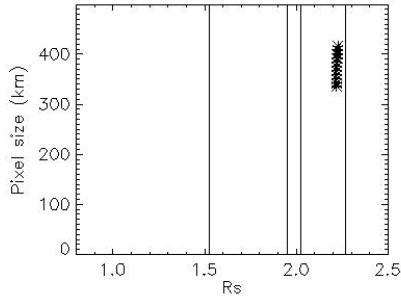
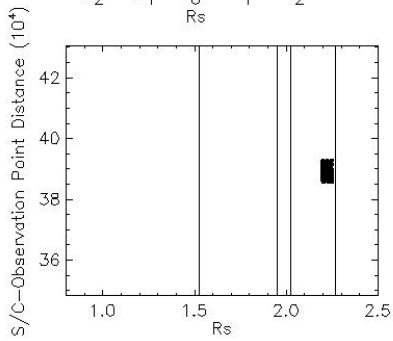


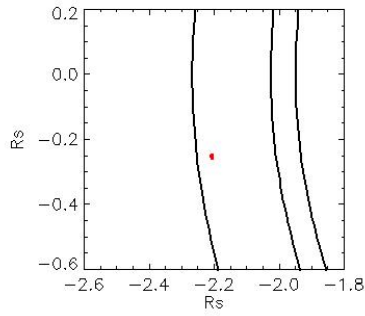
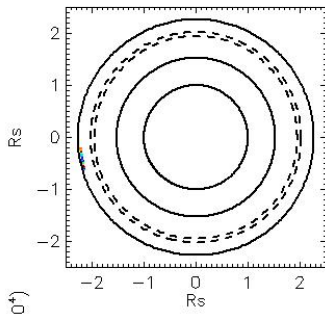
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_53_39

Observation Duration:
32 S

Integration time = 32 S



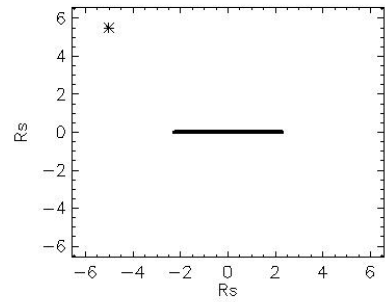
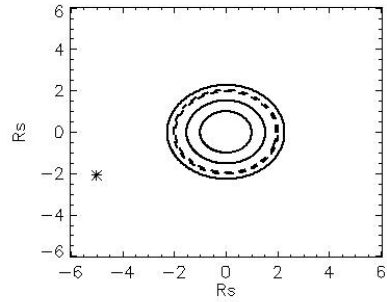
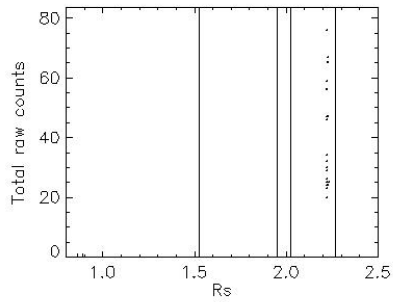
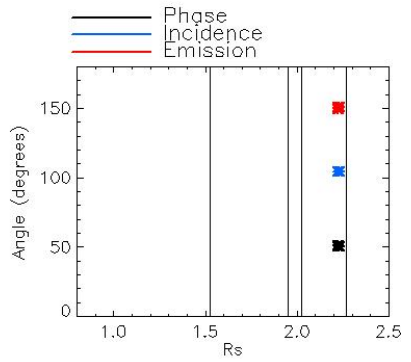
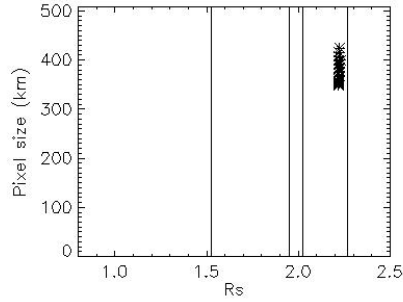
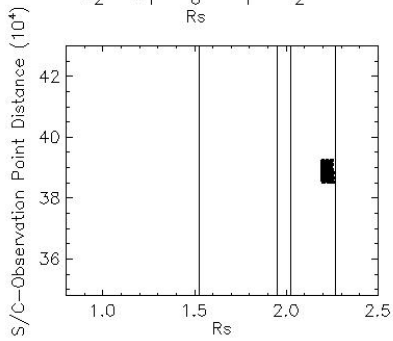


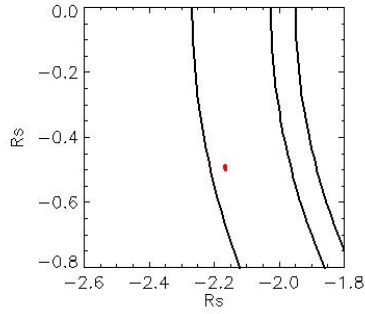
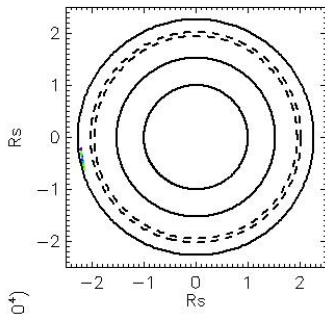
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_55_16

Observation Duration:
32 S

Integration time = 32 S



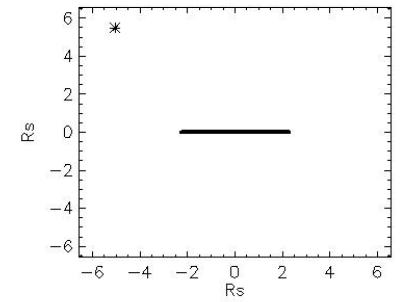
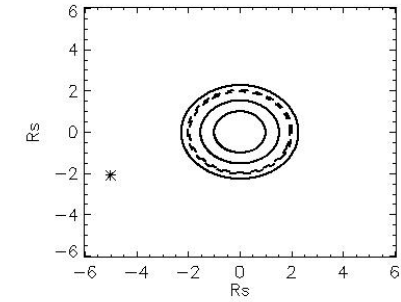
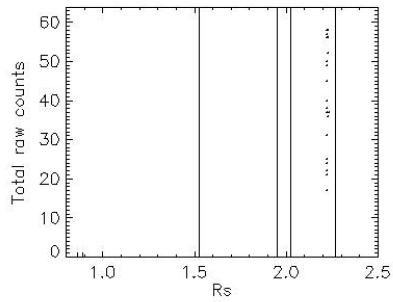
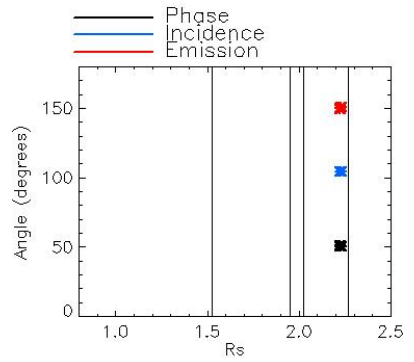
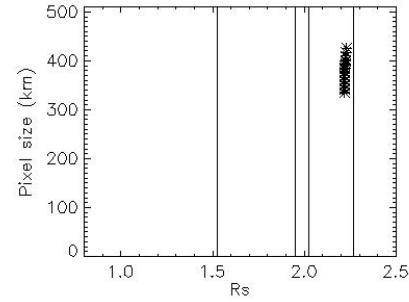
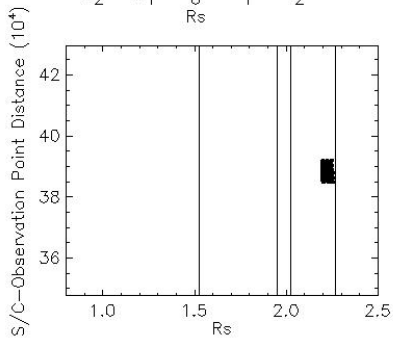


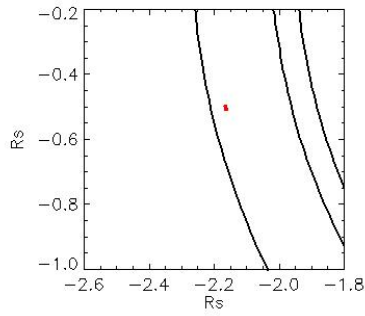
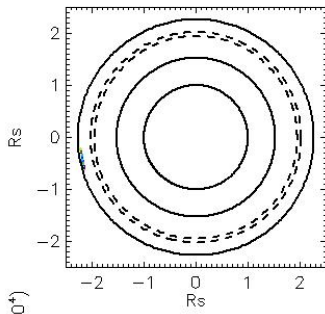
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_56_53

Observation Duration:
32 S

Integration time = 32 S



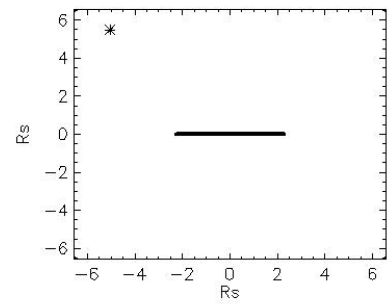
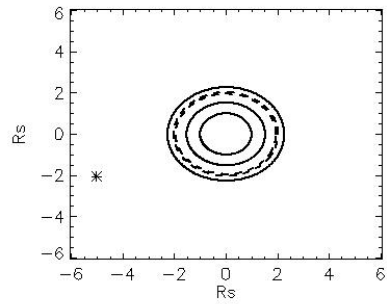
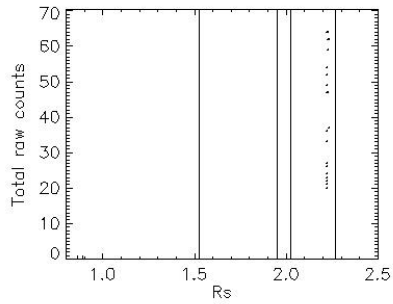
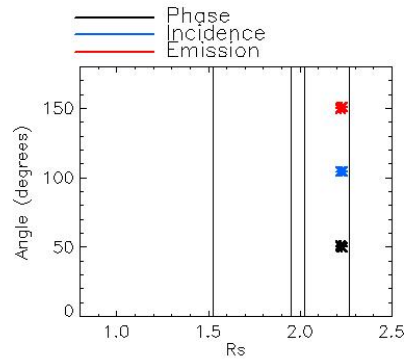
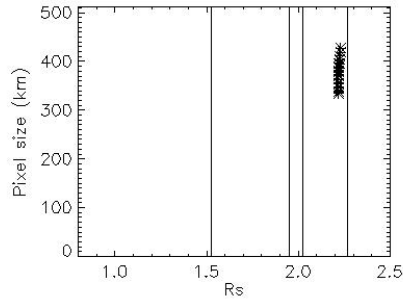
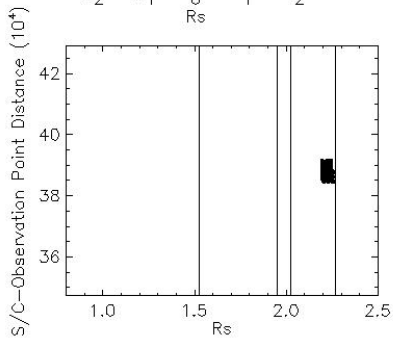


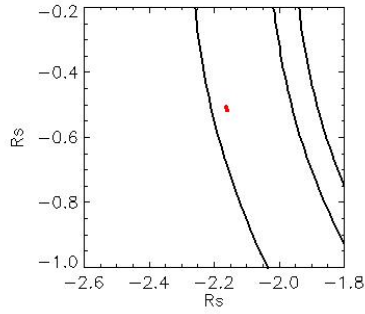
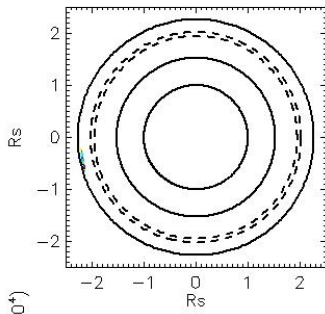
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_20_58_30

Observation Duration:
32 S

Integration time = 32 S



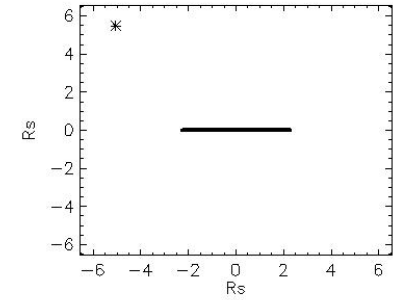
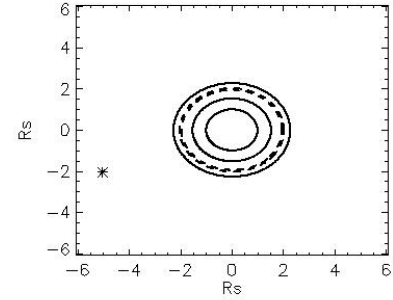
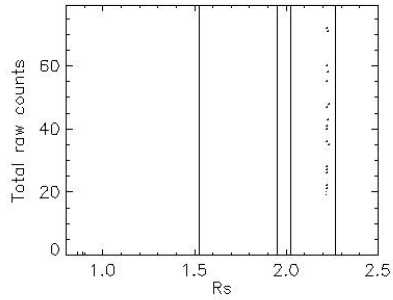
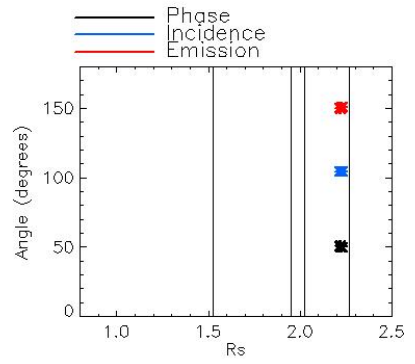
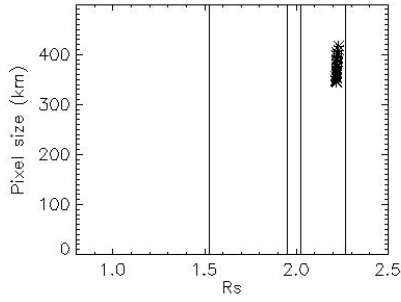
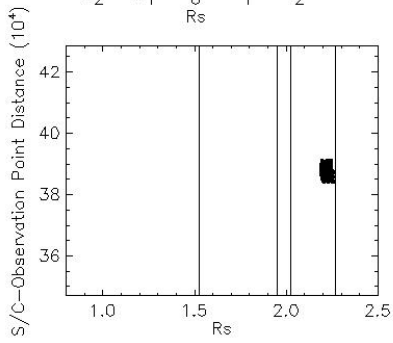


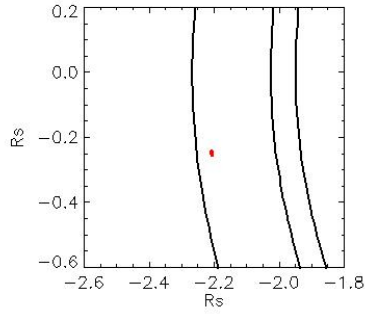
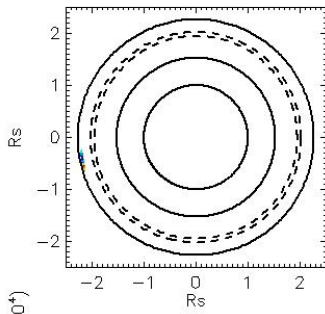
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_00_07

Observation Duration:
32 S

Integration time = 32 S



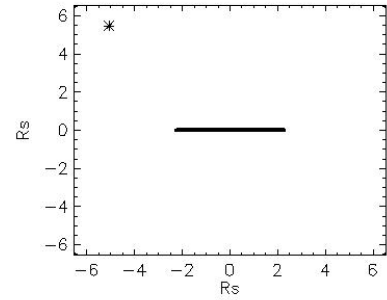
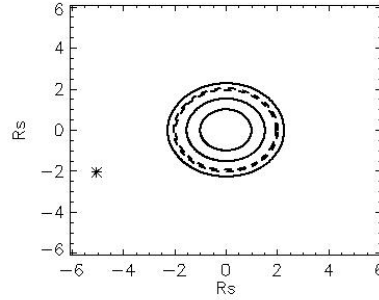
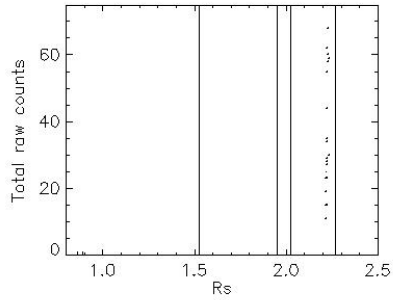
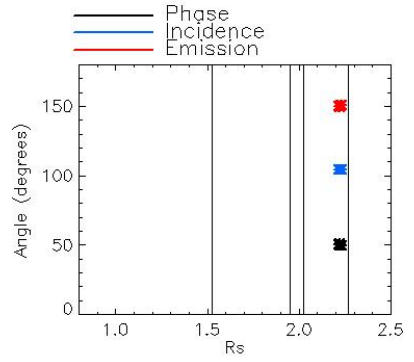
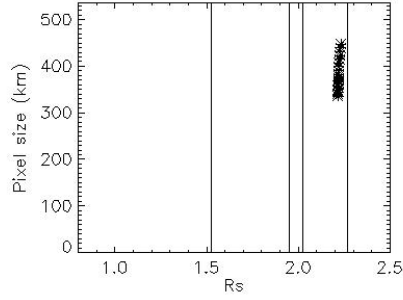
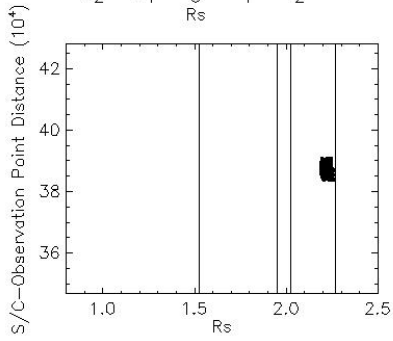


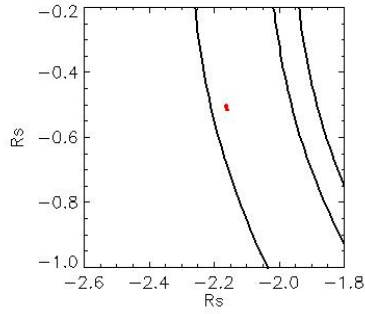
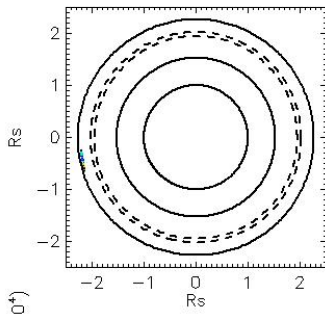
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_01_44

Observation Duration:
32 S

Integration time = 32 S



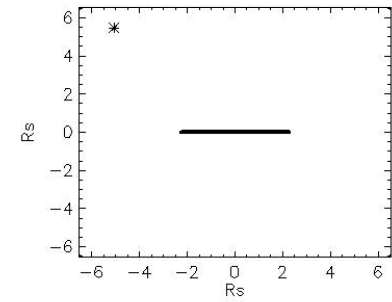
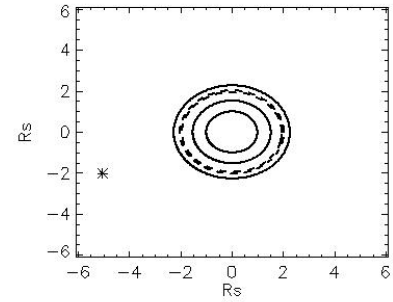
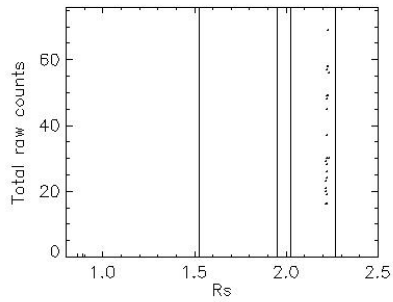
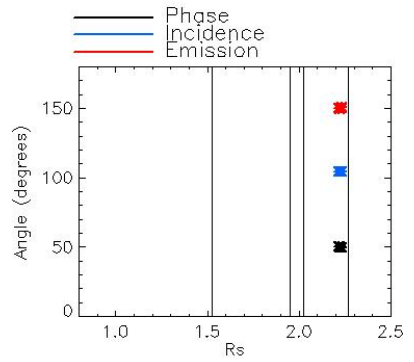
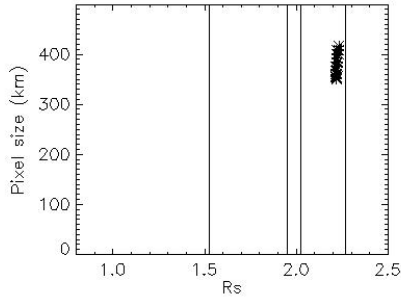
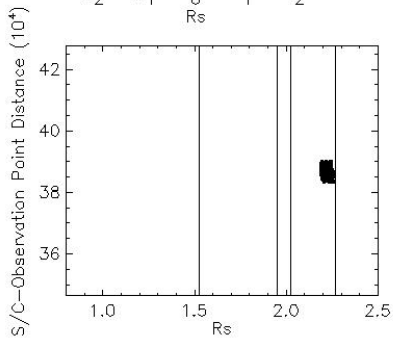


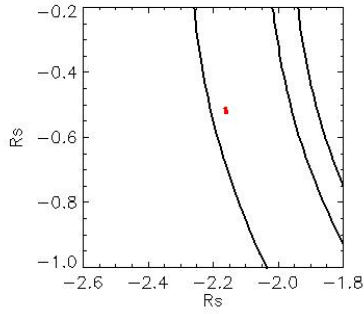
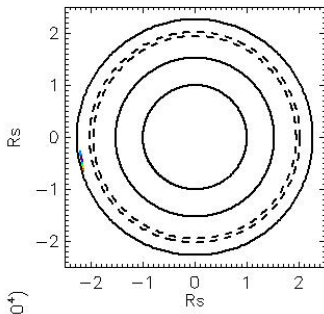
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_03_21

Observation Duration:
32 S

Integration time = 32 S



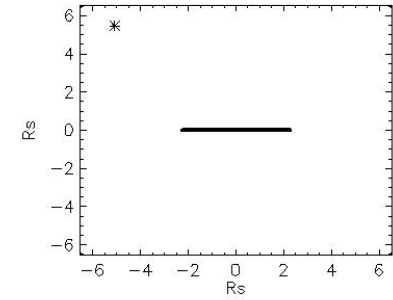
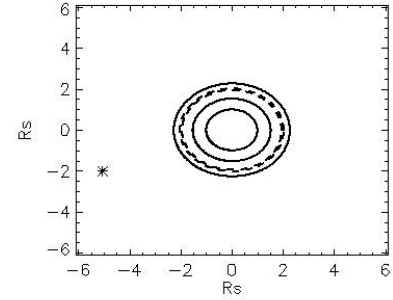
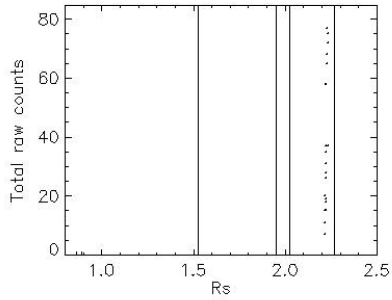
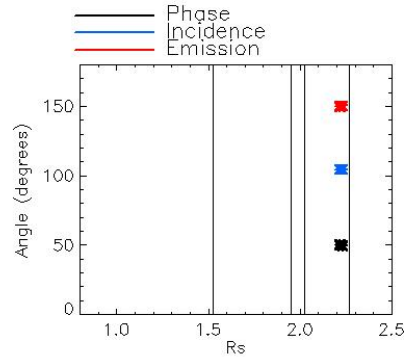
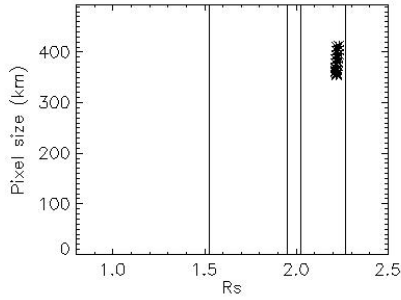
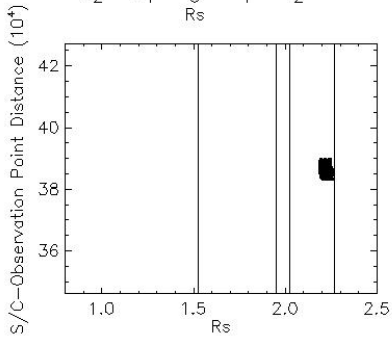


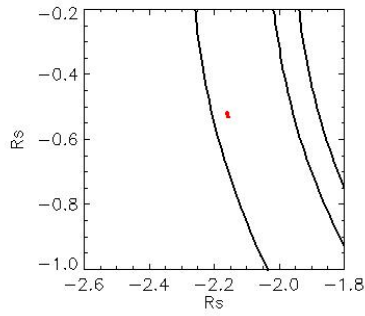
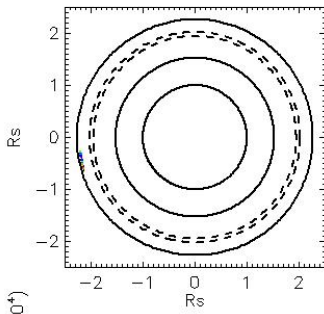
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_04_58

Observation Duration:
32 S

Integration time = 32 S



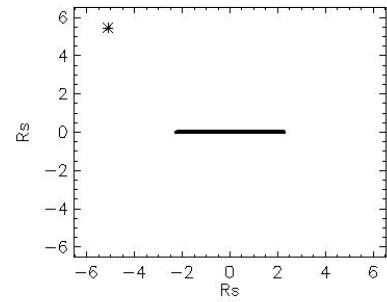
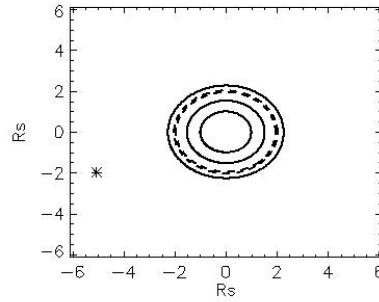
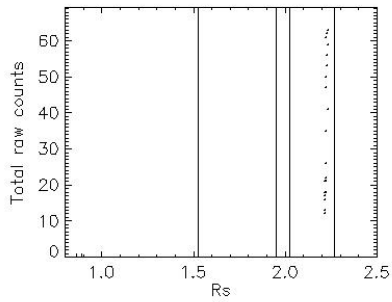
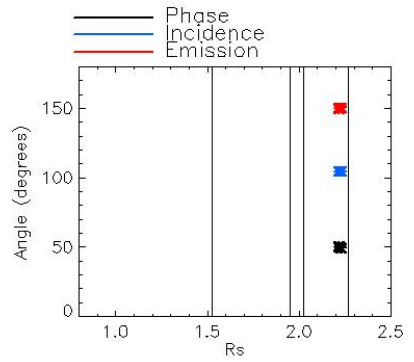
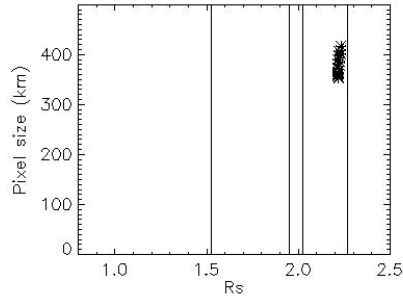
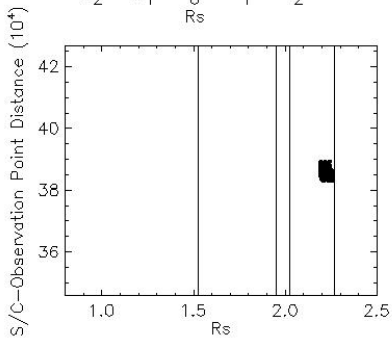


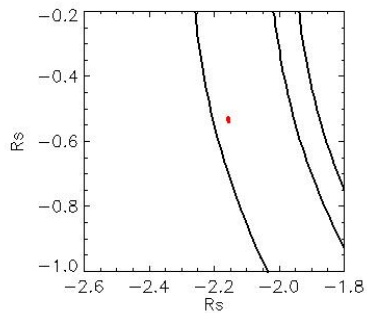
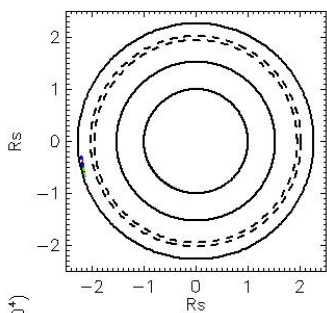
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_06_35

Observation Duration:
32 S

Integration time = 32 S



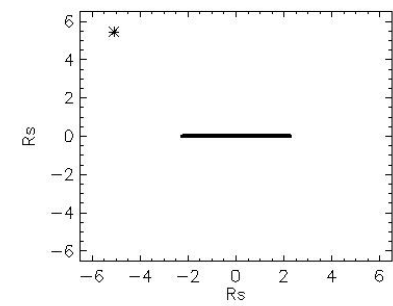
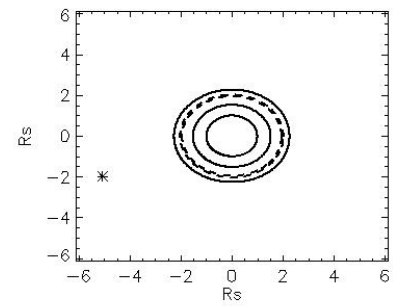
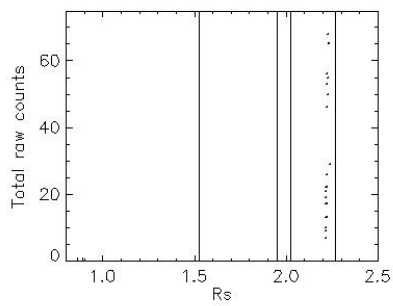
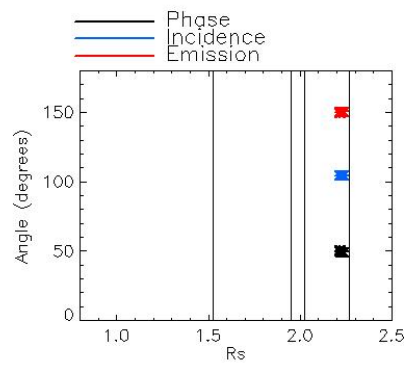
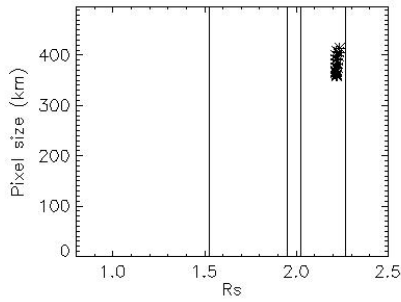
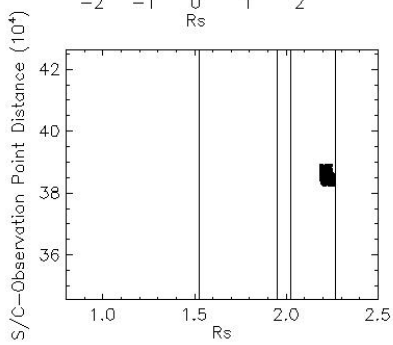


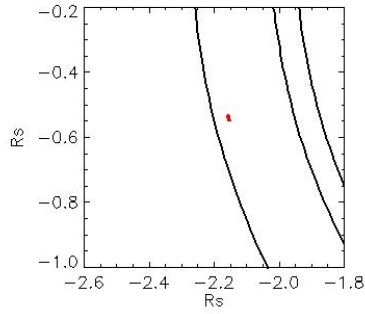
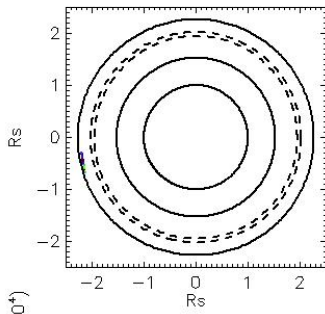
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_08_12

Observation Duration:
32 S

Integration time = 32 S



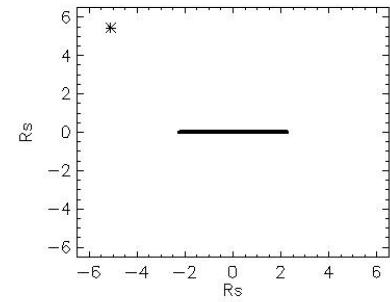
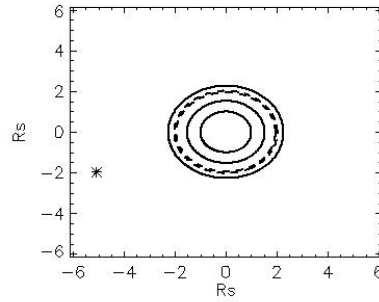
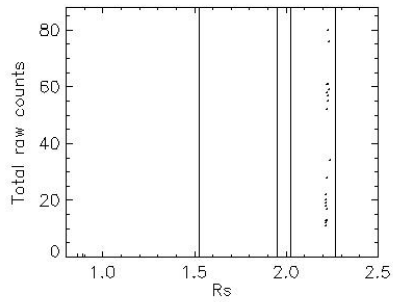
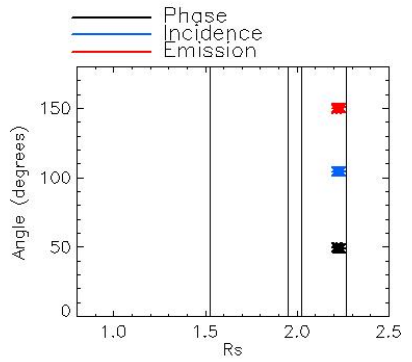
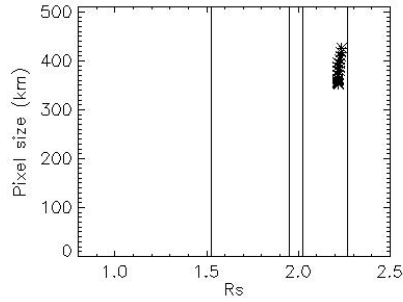
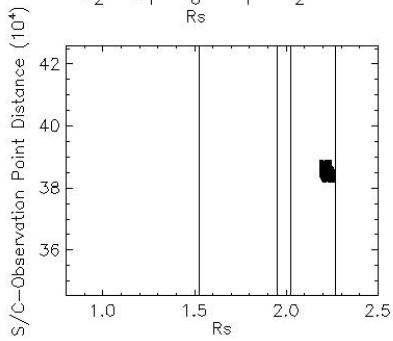


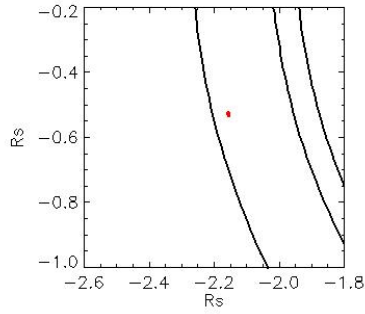
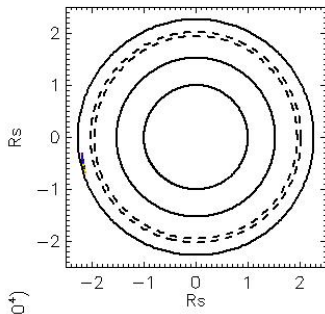
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_09_49

Observation Duration:
32 S

Integration time = 32 S



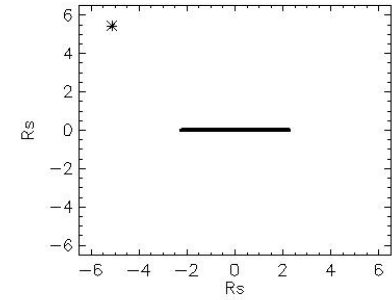
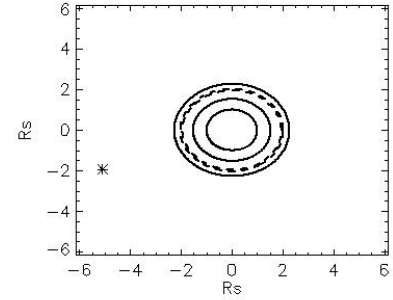
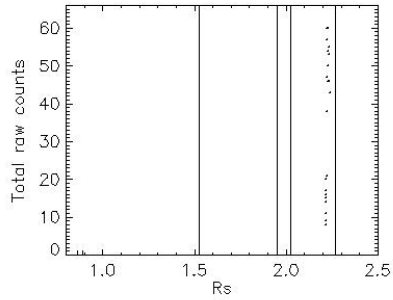
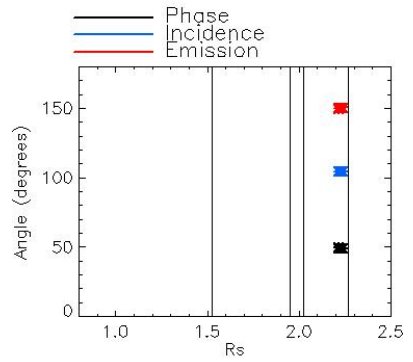
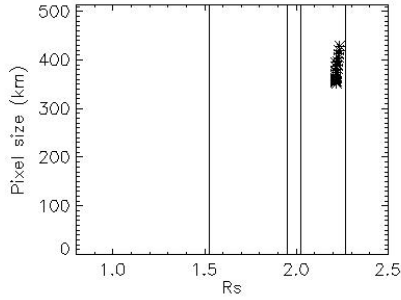
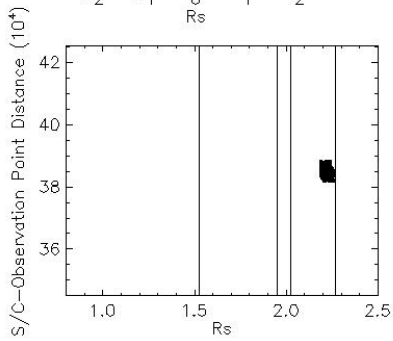


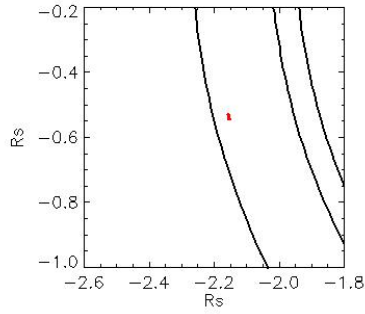
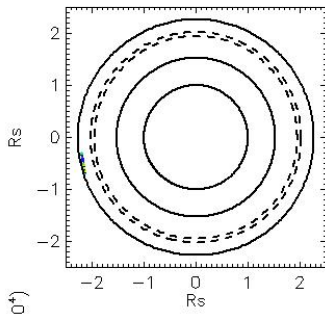
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_11_26

Observation Duration:
32 S

Integration time = 32 S



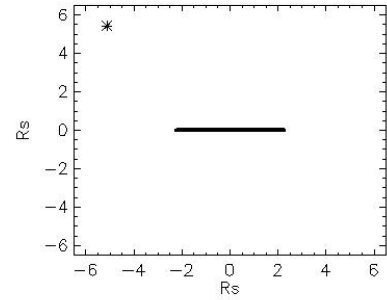
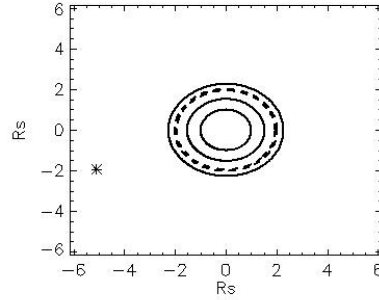
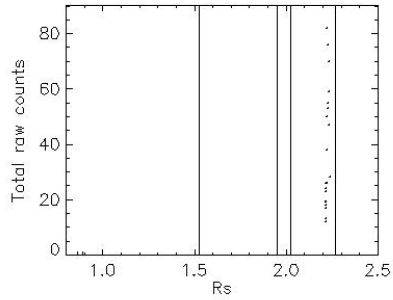
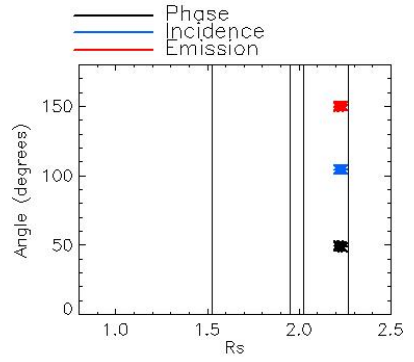
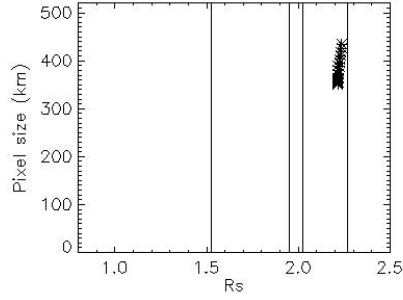
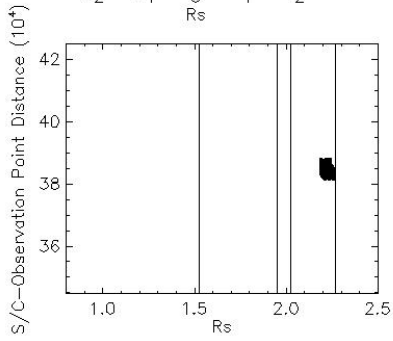


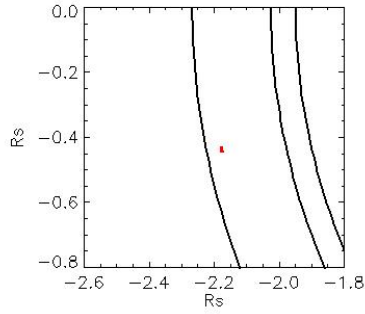
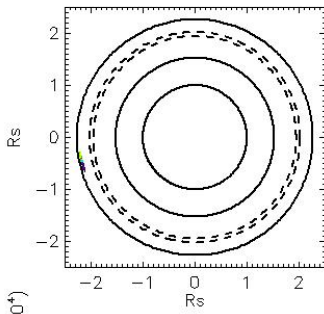
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_13_03

Observation Duration:
32 S

Integration time = 32 S



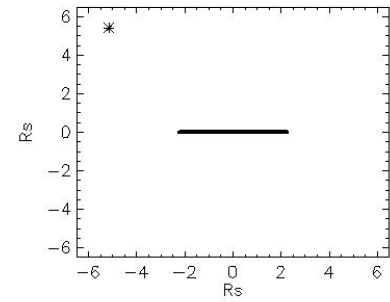
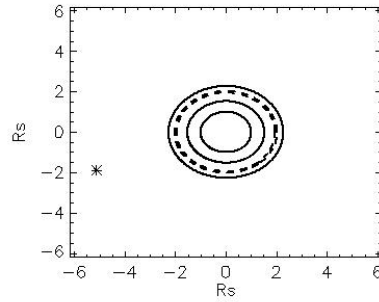
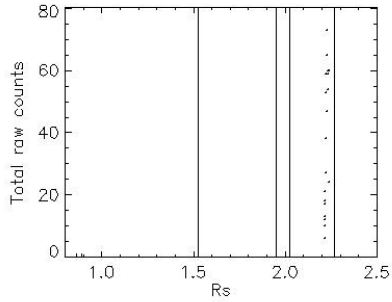
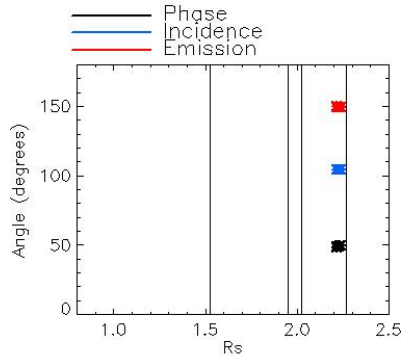
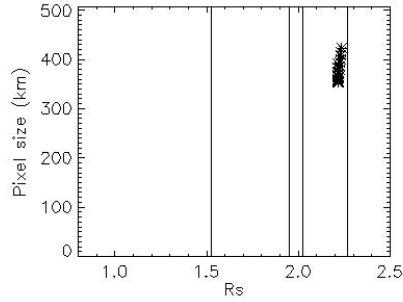
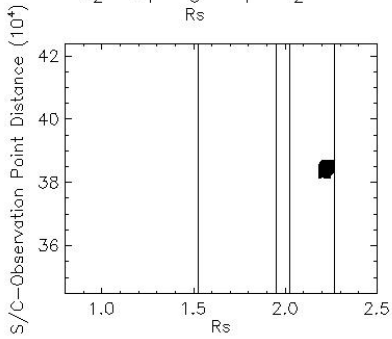


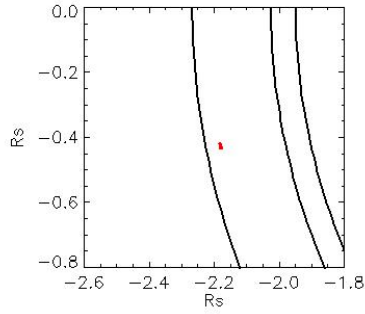
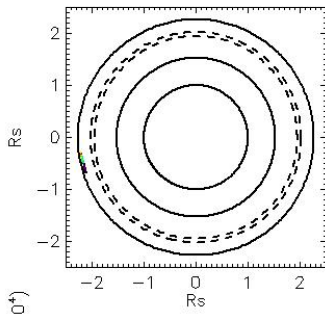
Observation Name:
UWS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_16_40

Observation Duration:
32 S

Integration time = 32 S



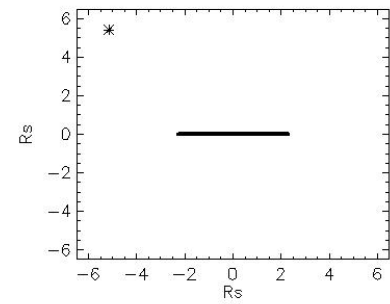
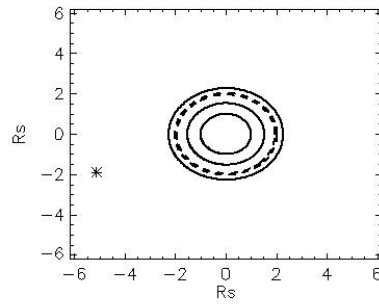
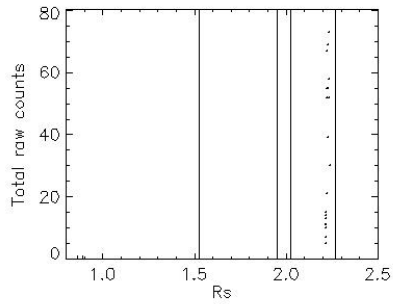
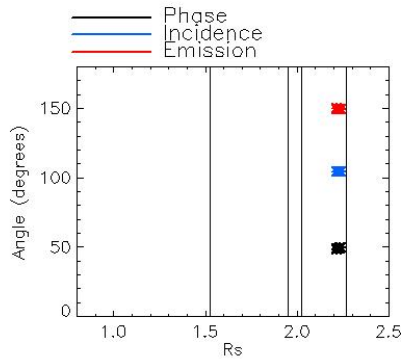
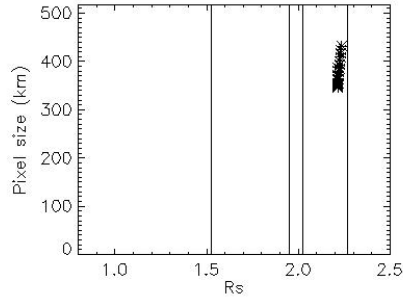
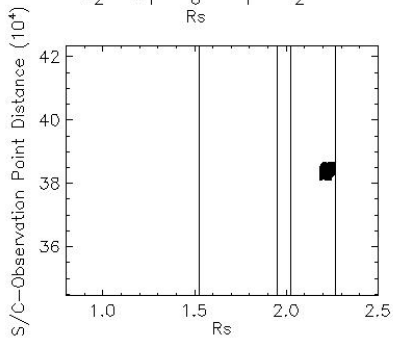


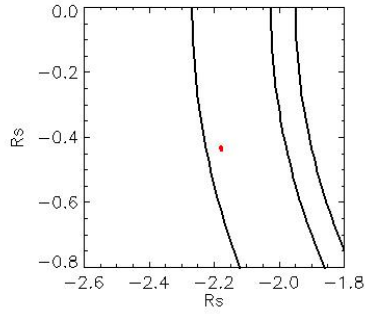
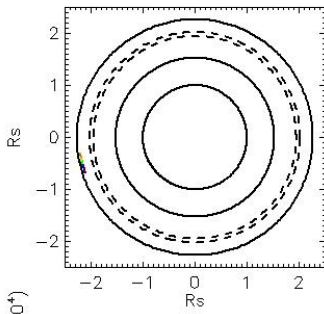
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_18_17

Observation Duration:
32 S

Integration time = 32 S



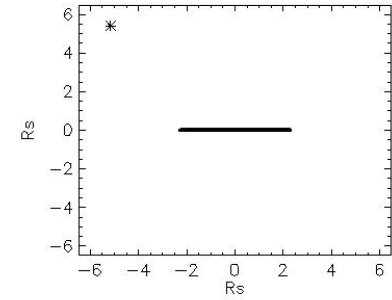
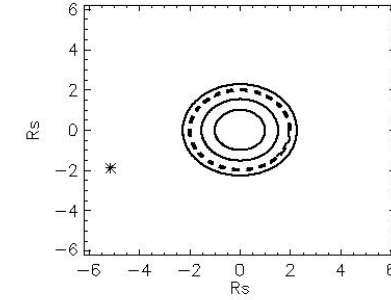
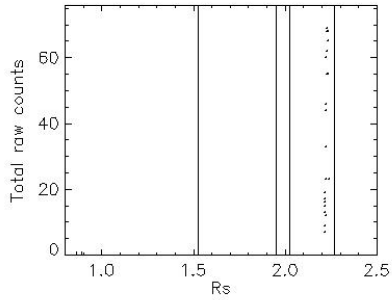
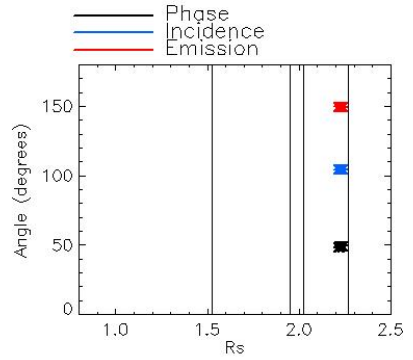
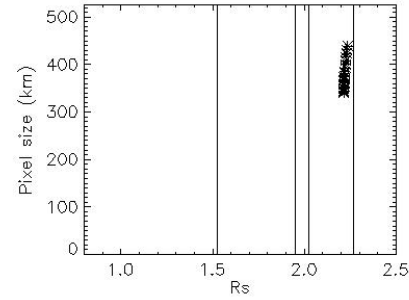
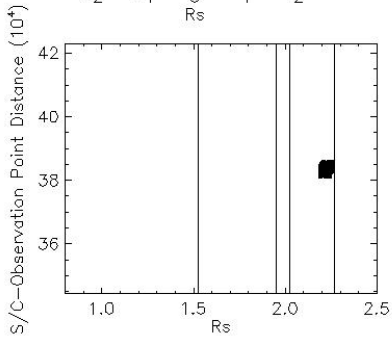


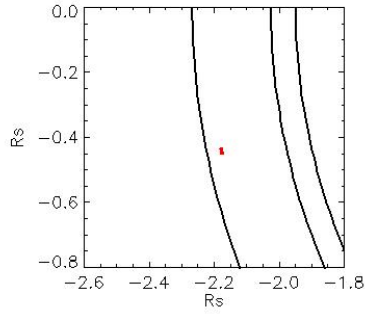
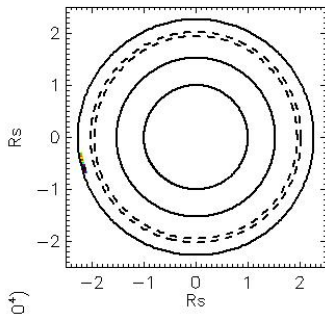
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_19_54

Observation Duration:
32 S

Integration time = 32 S



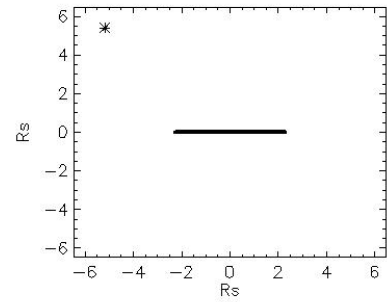
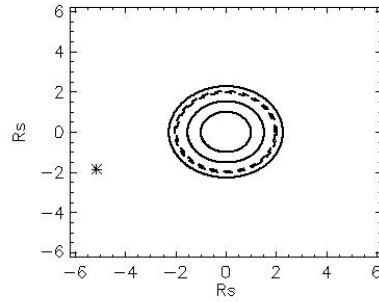
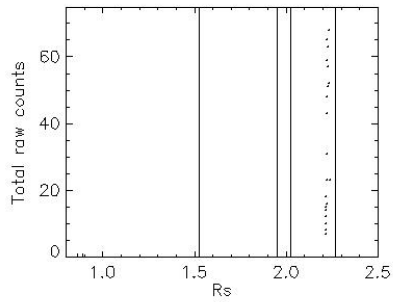
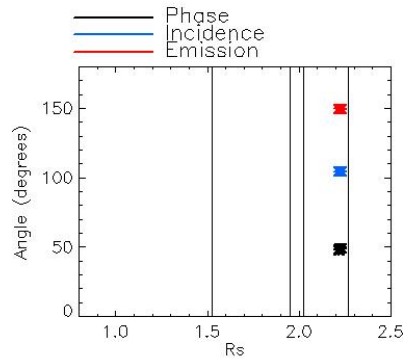
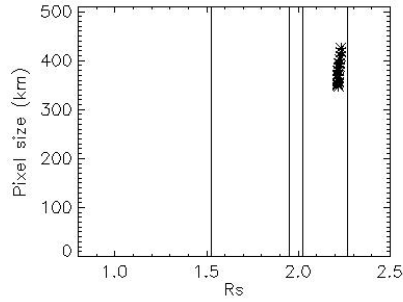
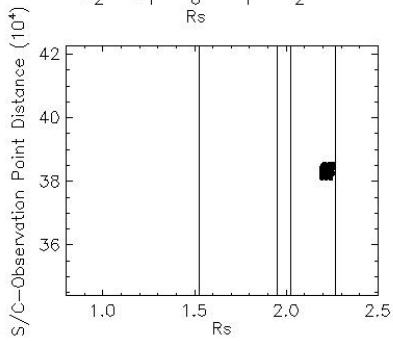


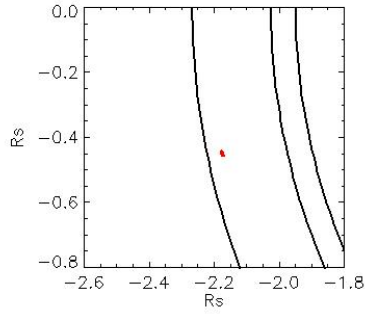
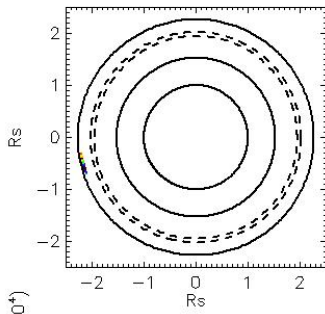
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_21_31

Observation Duration:
32 S

Integration time = 32 S



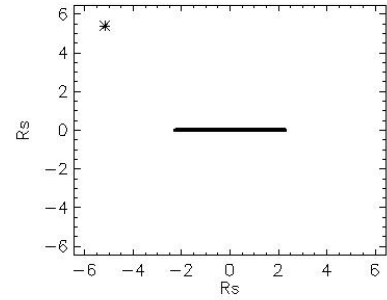
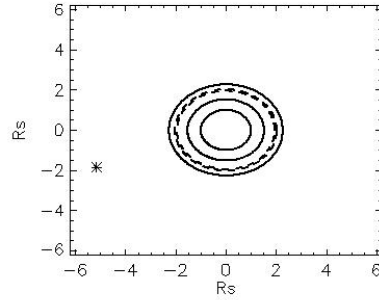
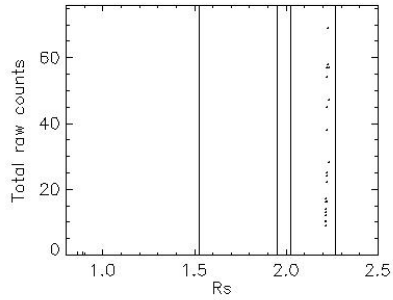
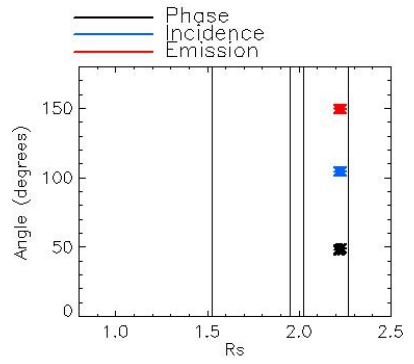
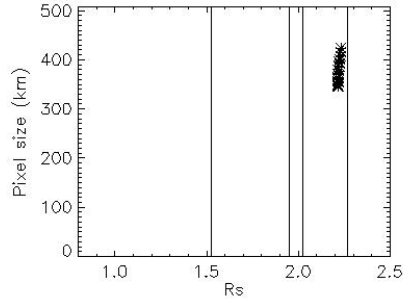
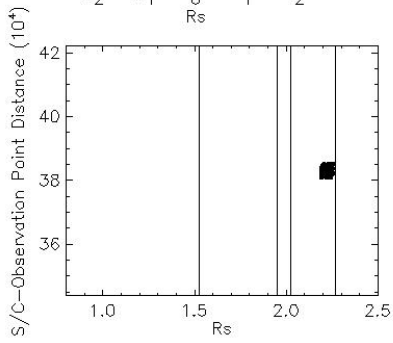


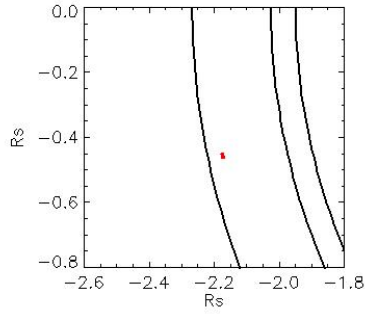
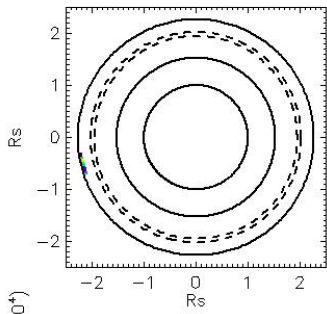
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_23_08

Observation Duration:
32 S

Integration time = 32 S



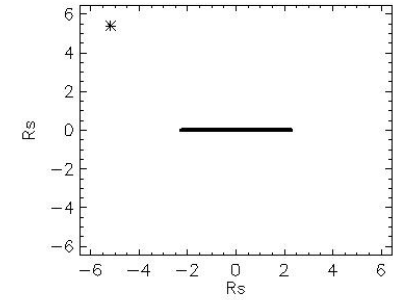
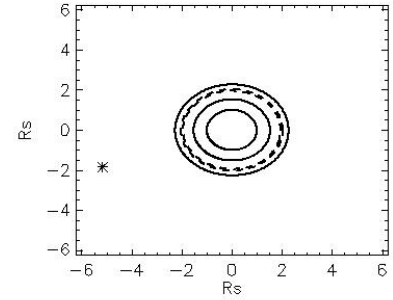
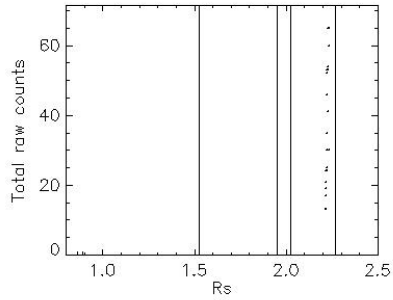
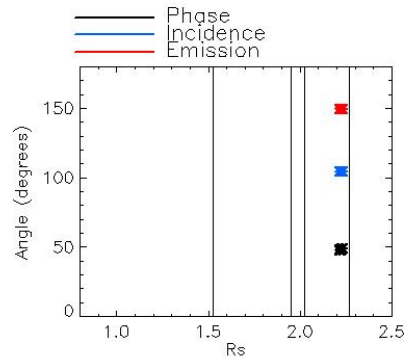
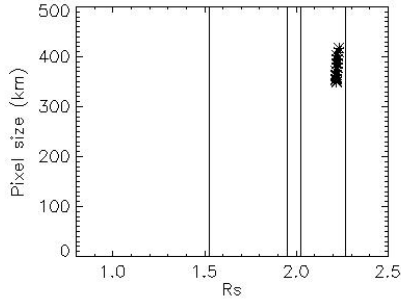
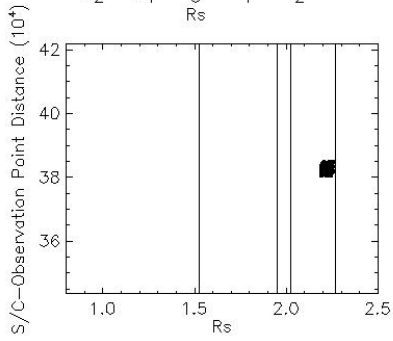


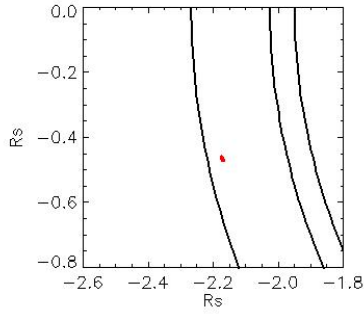
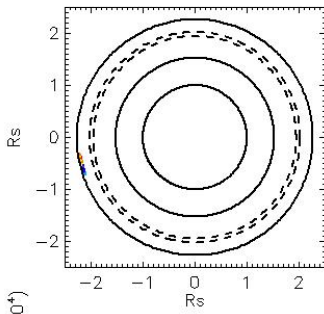
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_24_45

Observation Duration:
32 S

Integration time = 32 S



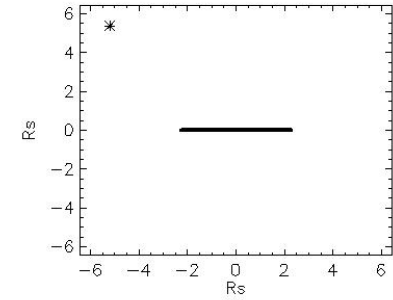
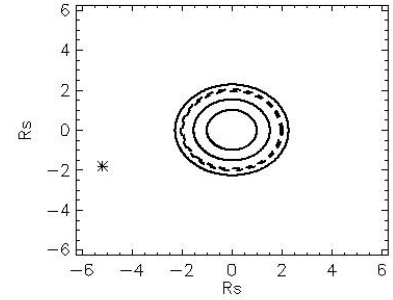
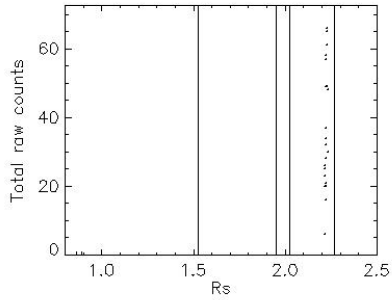
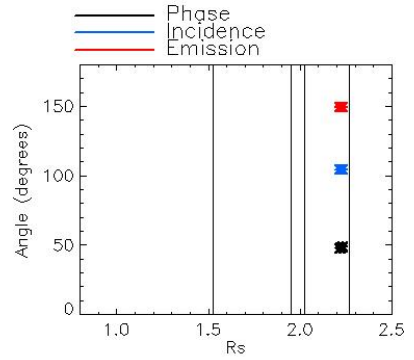
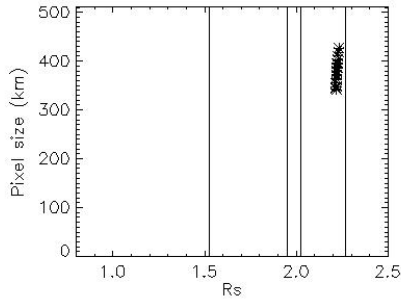
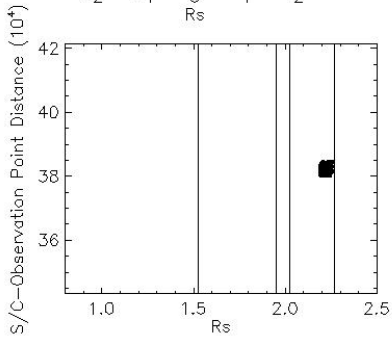


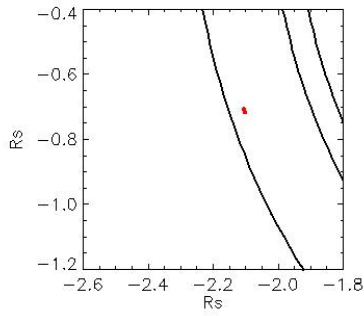
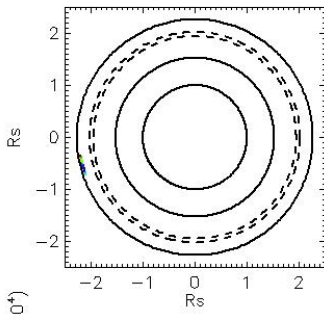
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_26_22

Observation Duration:
32 S

Integration time = 32 S



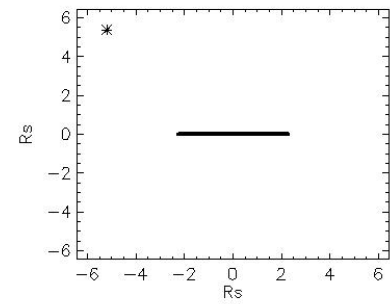
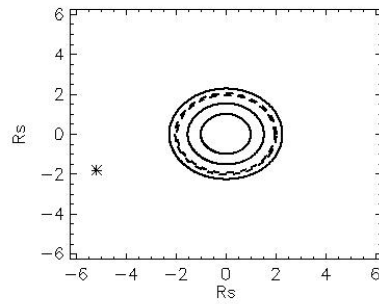
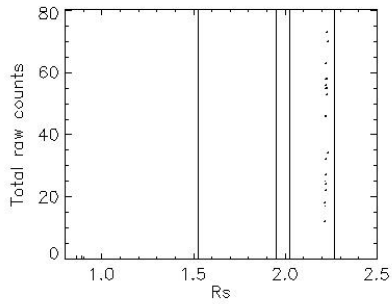
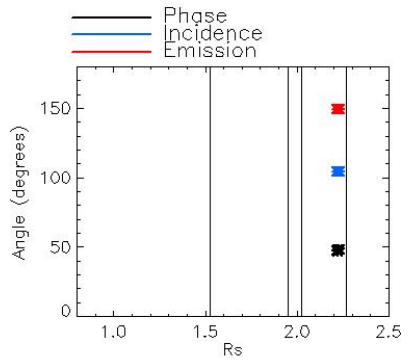
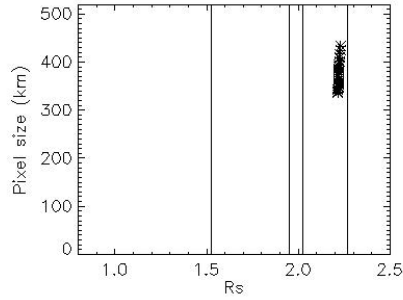
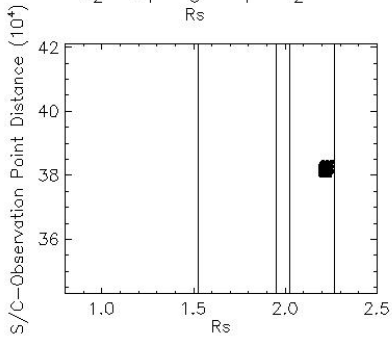


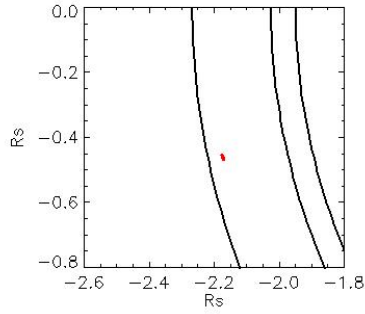
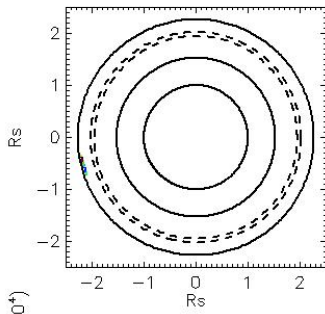
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_27_59

Observation Duration:
32 S

Integration time = 32 S



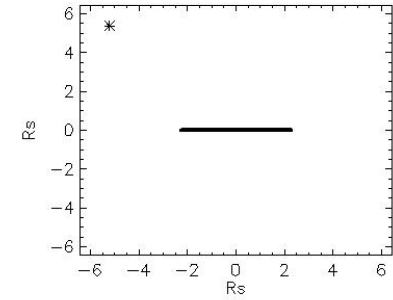
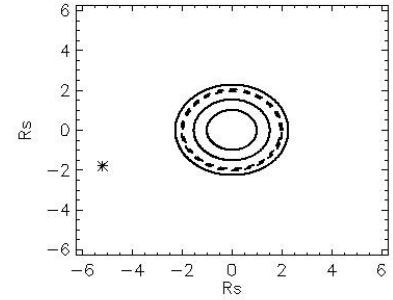
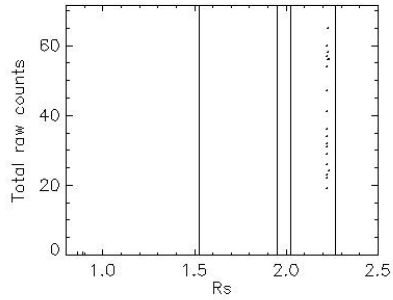
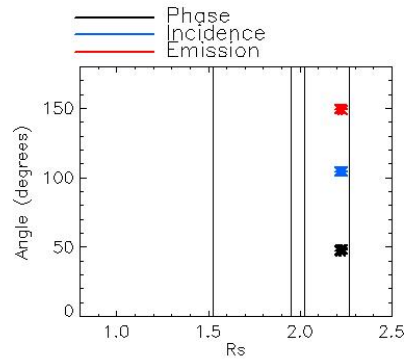
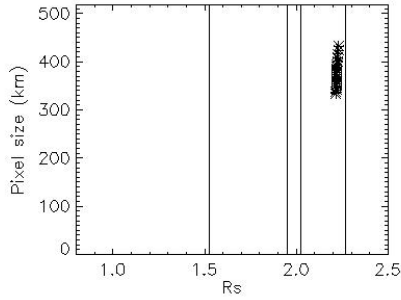
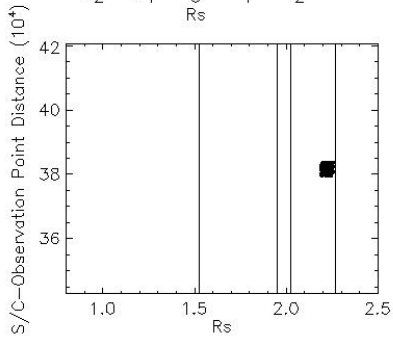


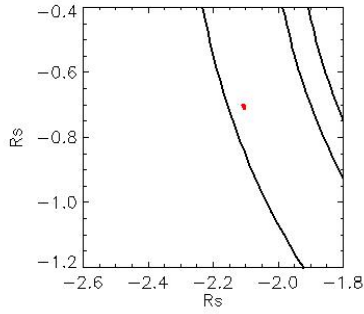
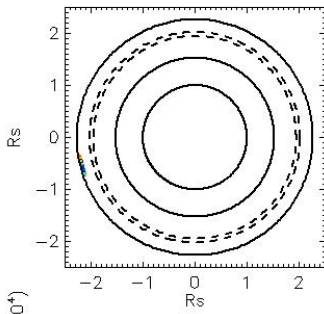
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_29_36

Observation Duration:
32 S

Integration time = 32 S



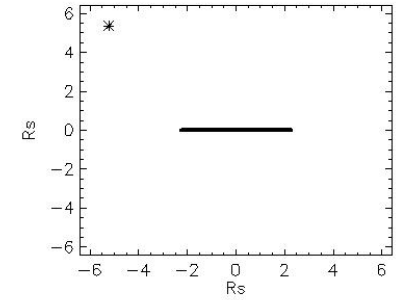
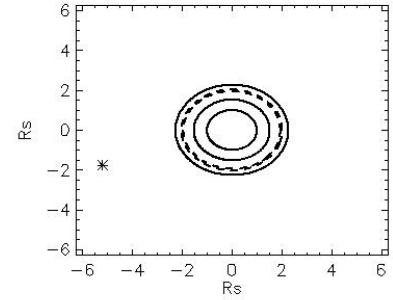
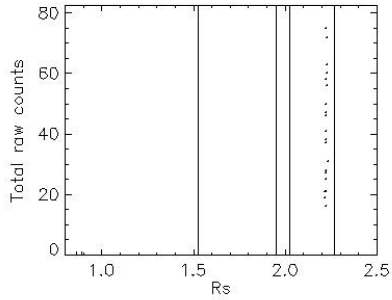
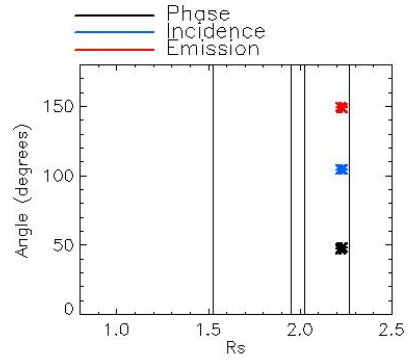
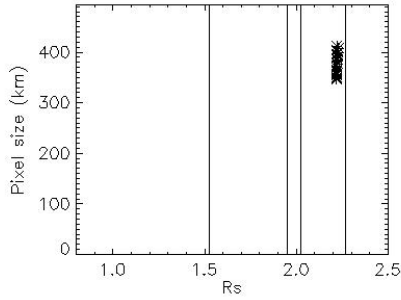
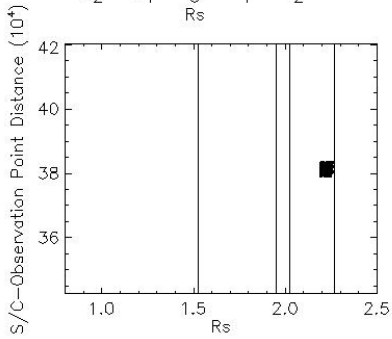


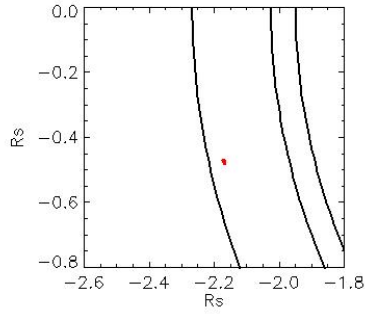
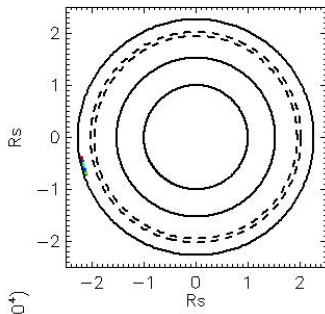
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_31_13

Observation Duration:
32 S

Integration time = 32 S



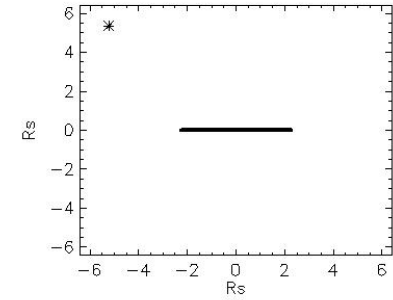
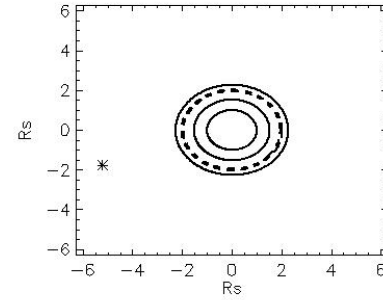
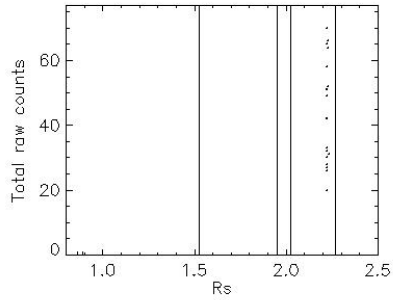
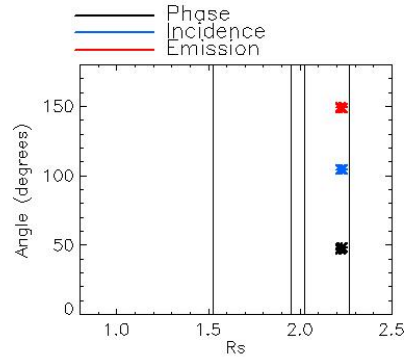
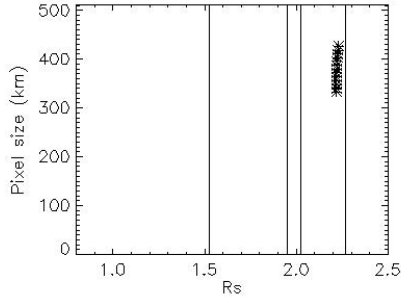
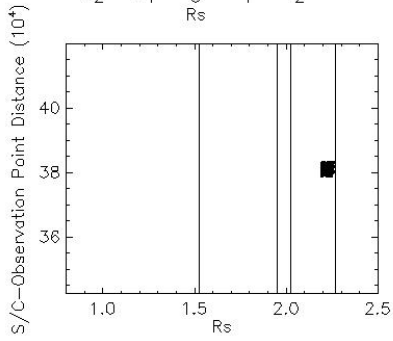


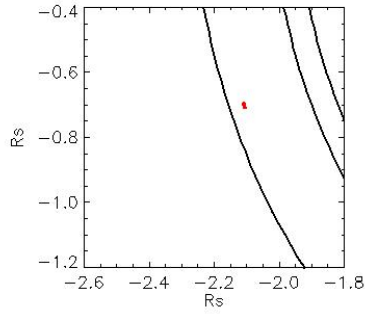
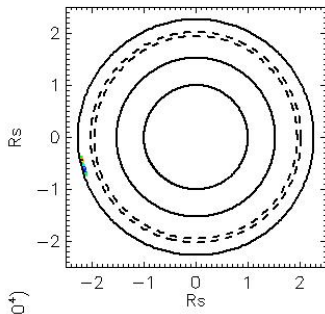
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_32_50

Observation Duration:
32 S

Integration time = 32 S



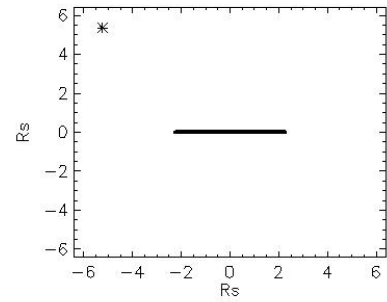
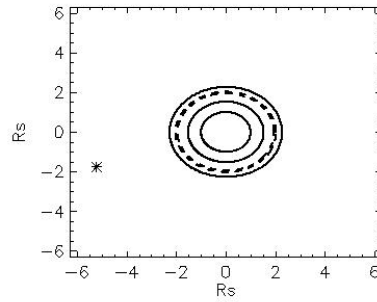
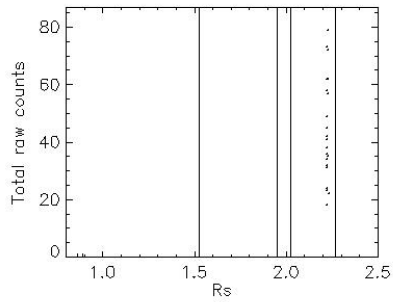
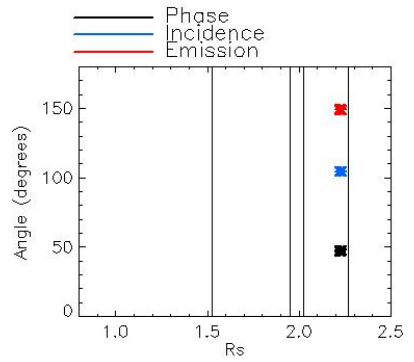
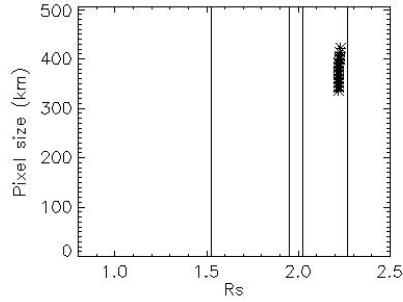
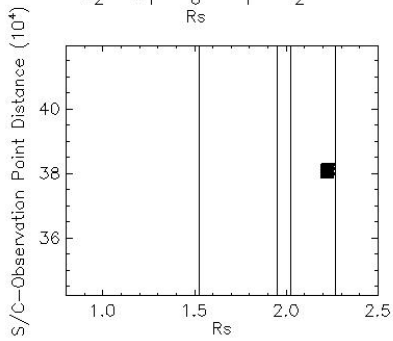


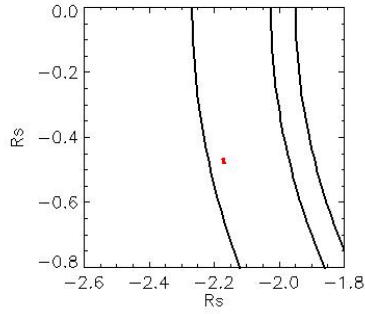
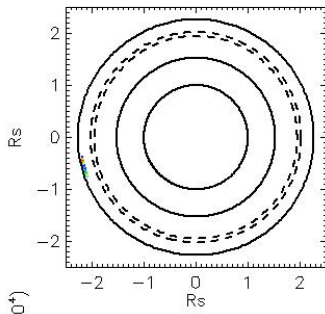
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_34_27

Observation Duration:
32 S

Integration time = 32 S



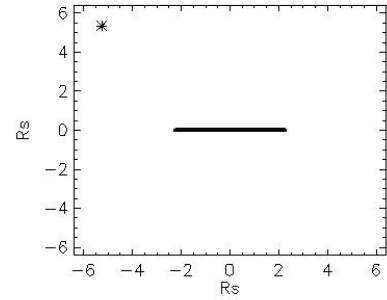
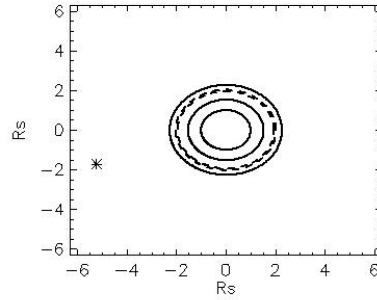
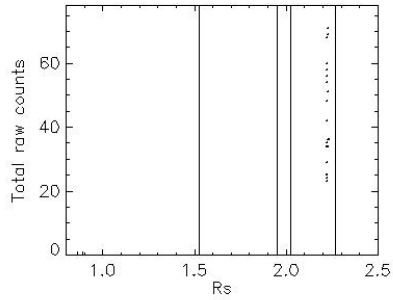
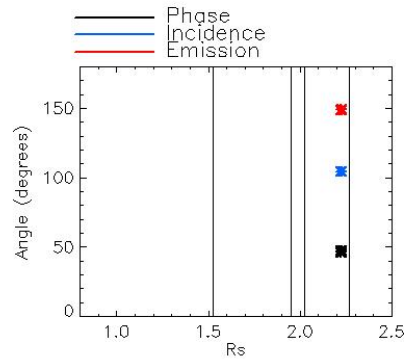
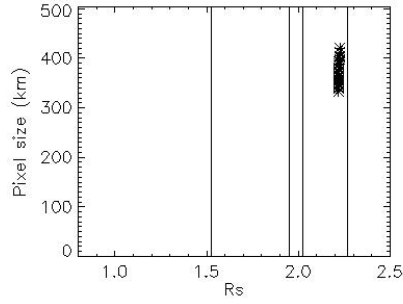
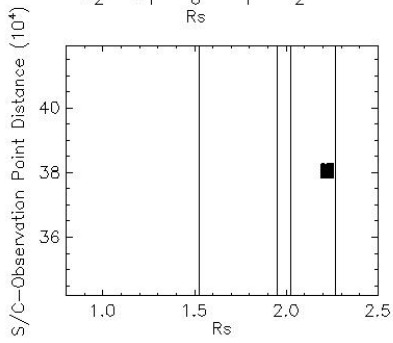


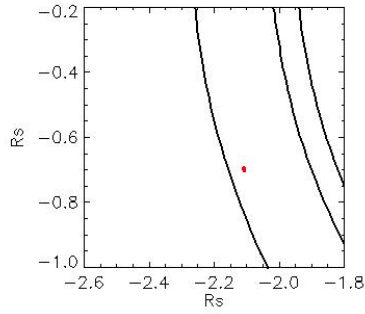
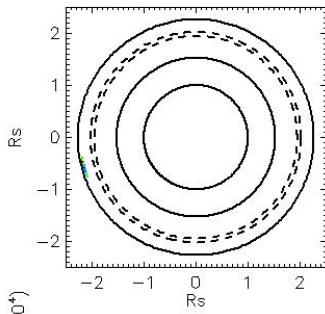
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_36_04

Observation Duration:
32 S

Integration time = 32 S



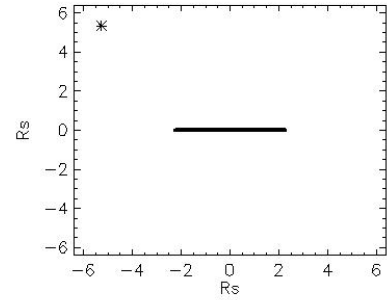
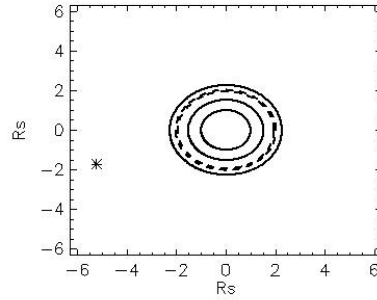
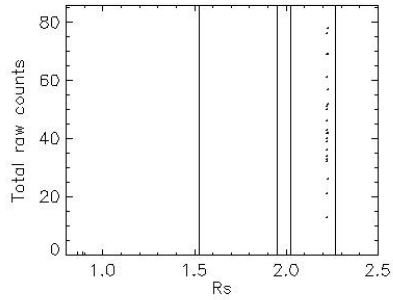
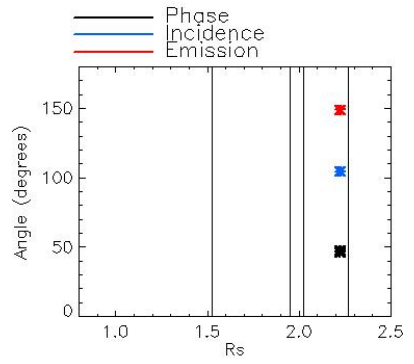
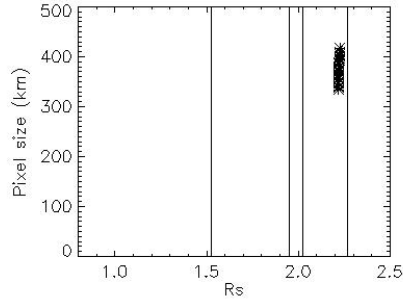
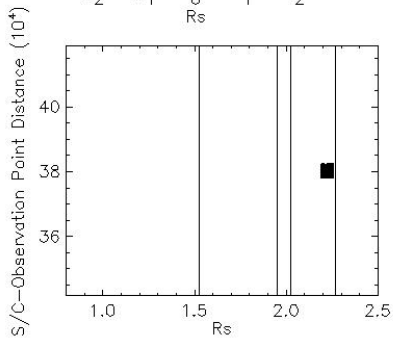


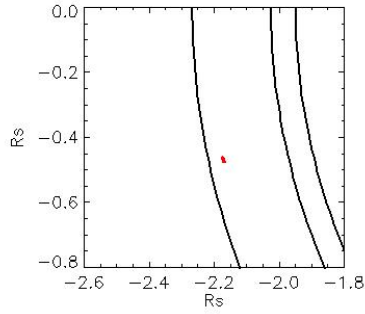
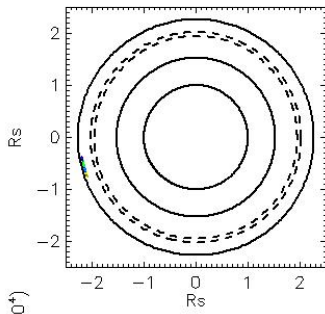
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_37_41

Observation Duration:
32 S

Integration time = 32 S



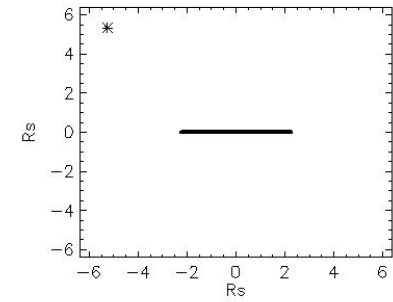
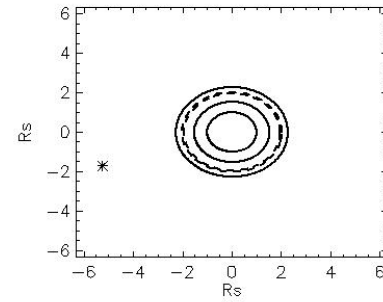
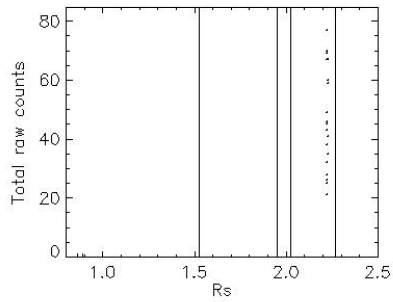
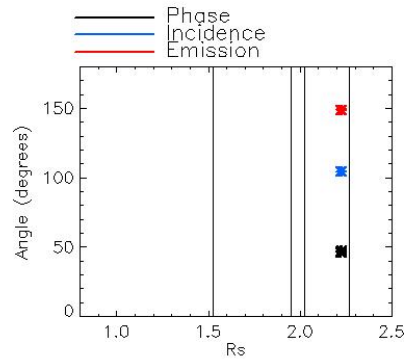
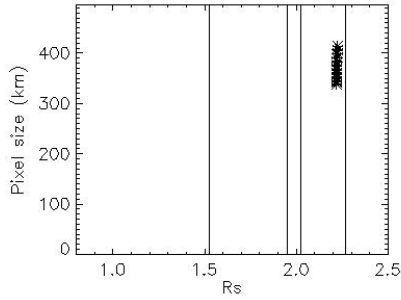
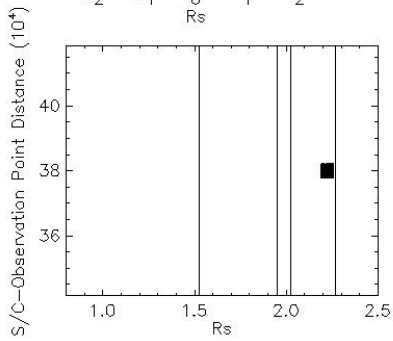


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_39_18

Observation Duration:
32 S

Integration time = 32 S

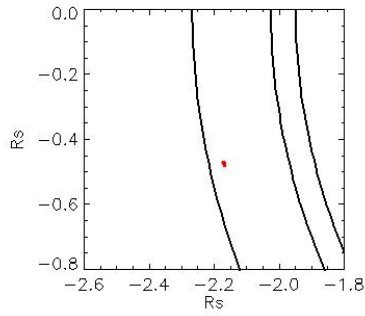
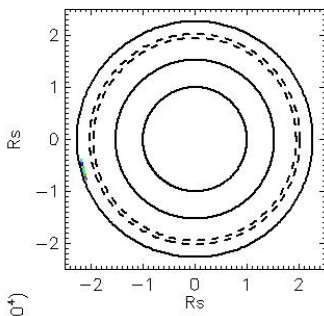


Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_40_55

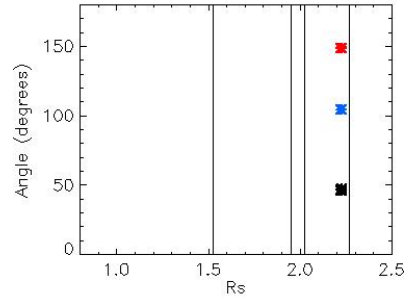
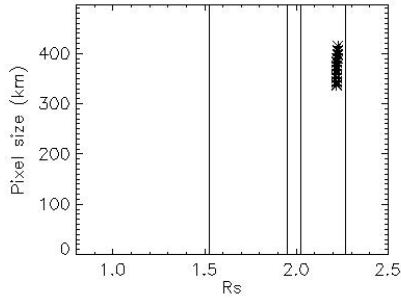
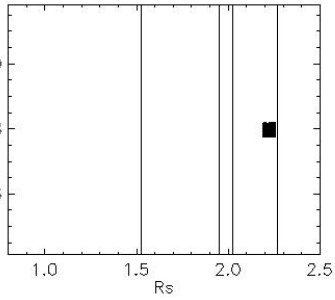
Observation Duration:
32 S

Integration time = 32 S

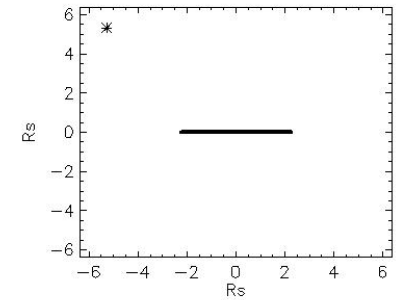
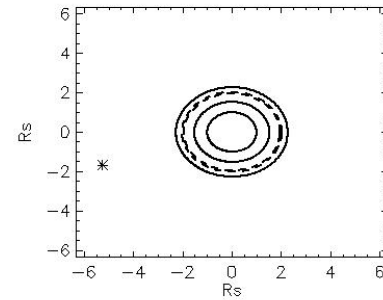
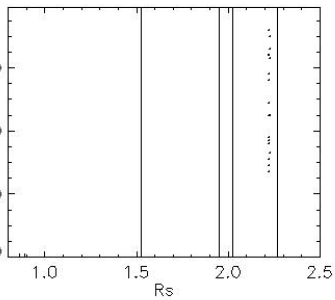


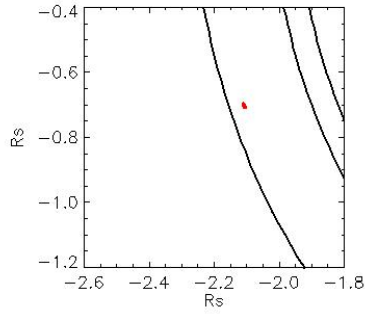
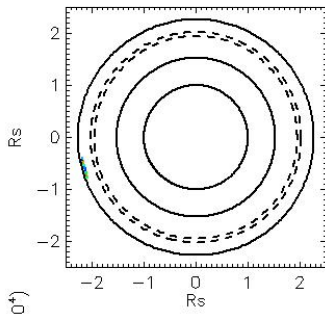
— Phase
— Incidence
— Emission

S/C—Observation Point Distance (10^4)



Total raw counts



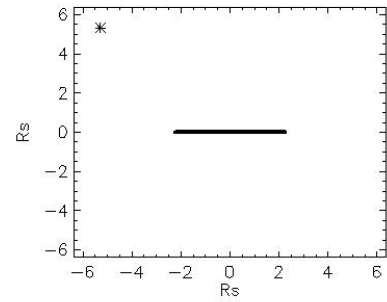
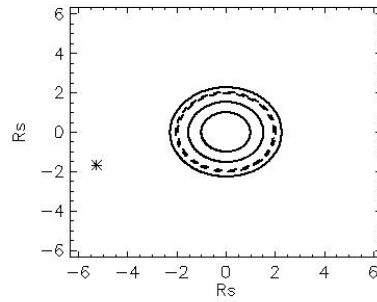
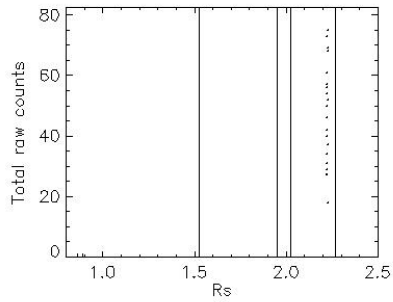
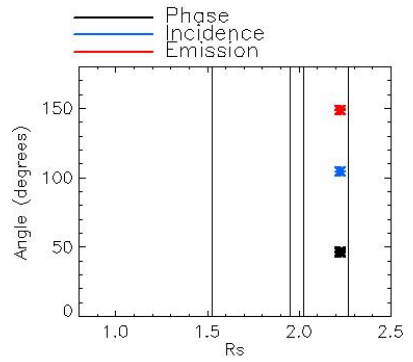
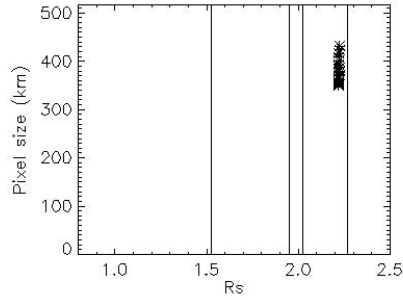
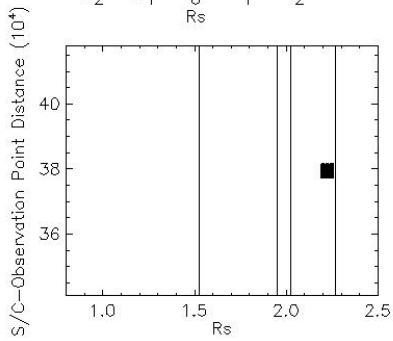


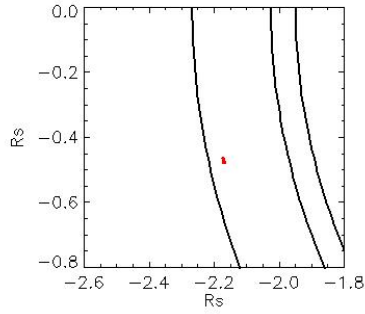
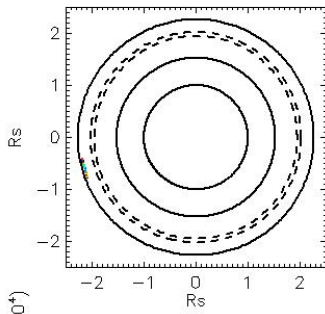
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_42_32

Observation Duration:
32 S

Integration time = 32 S



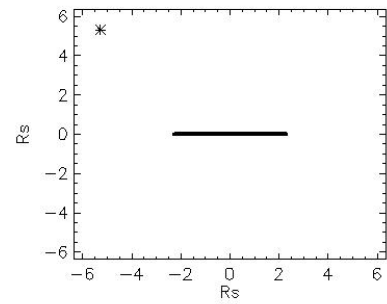
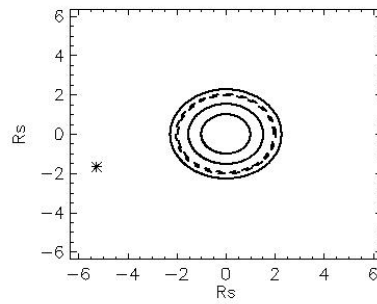
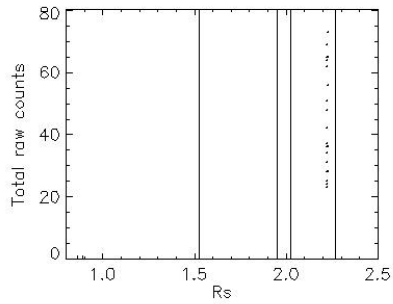
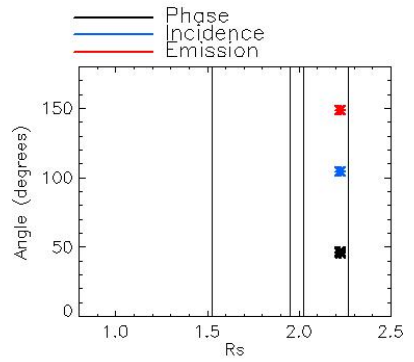
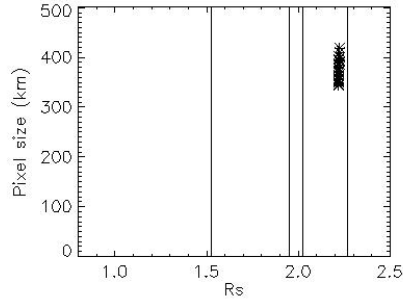
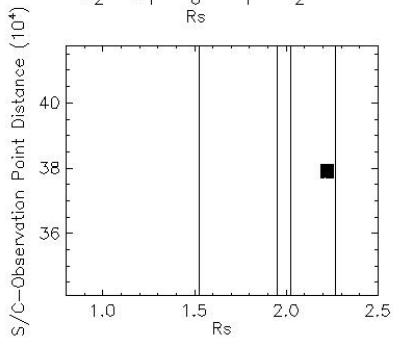


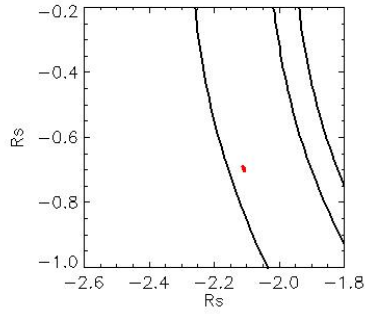
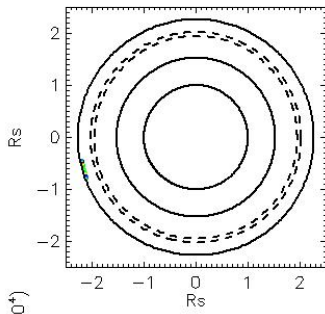
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_44_09

Observation Duration:
32 S

Integration time = 32 S



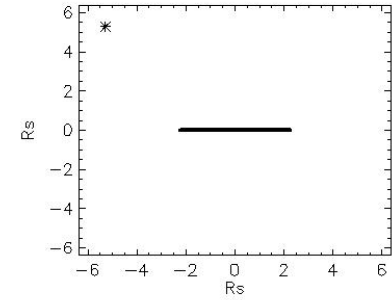
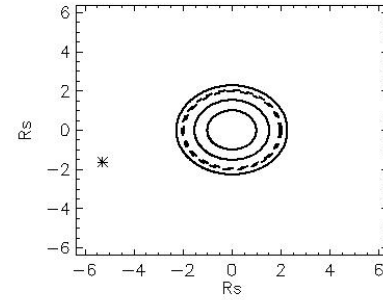
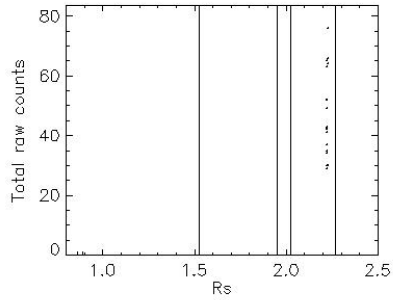
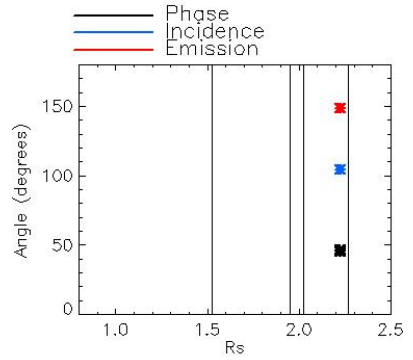
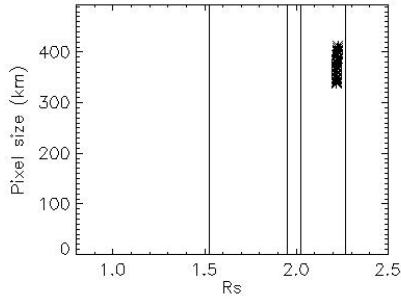
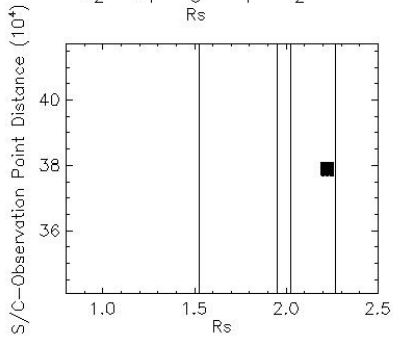


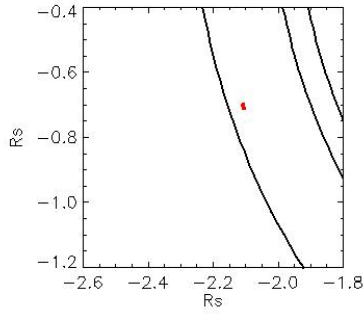
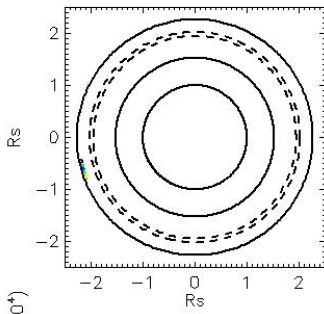
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_45_46

Observation Duration:
32 S

Integration time = 32 S



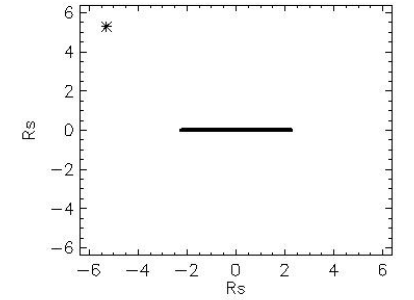
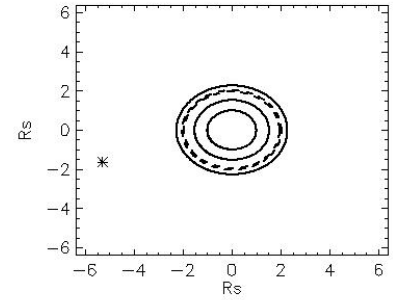
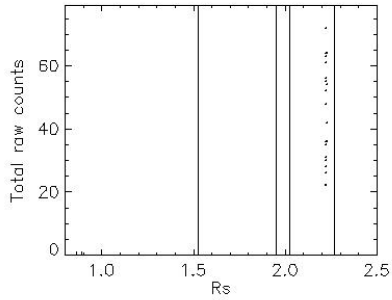
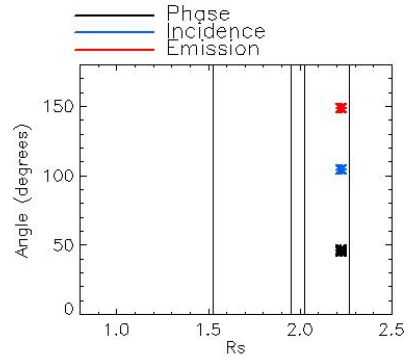
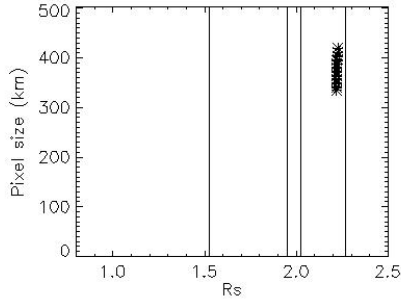
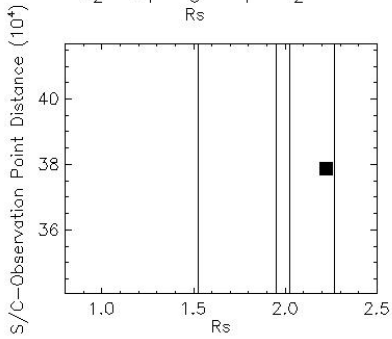


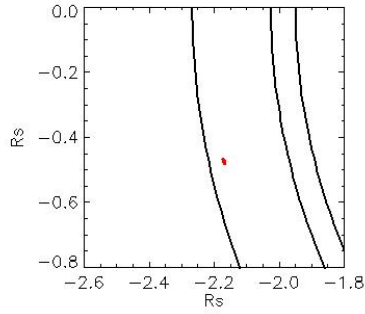
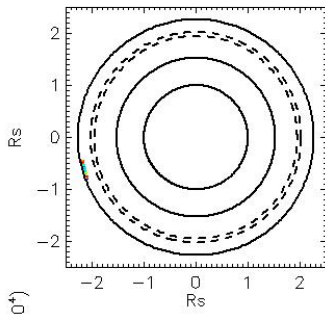
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_47_23

Observation Duration:
32 S

Integration time = 32 S



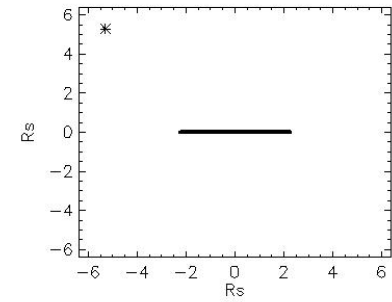
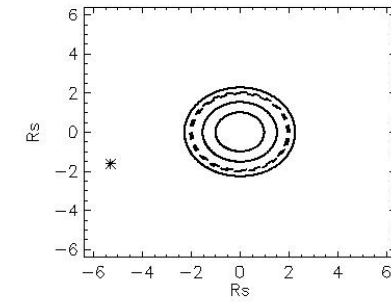
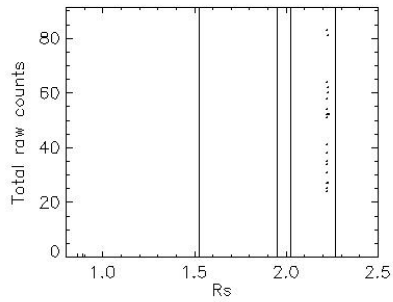
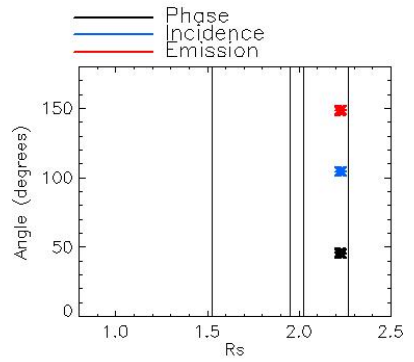
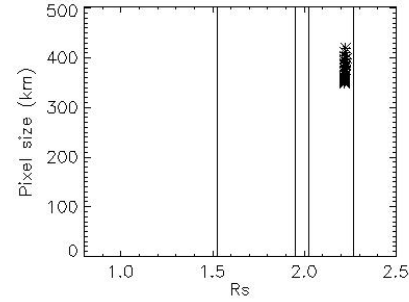
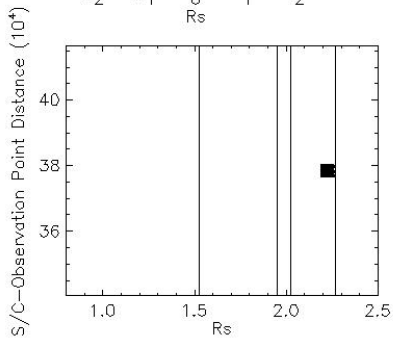


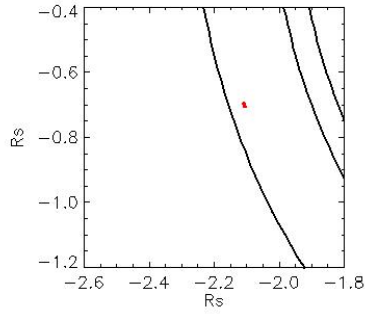
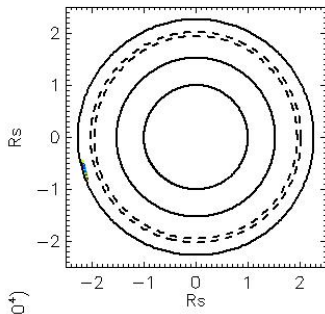
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_49_00

Observation Duration:
32 S

Integration time = 32 S



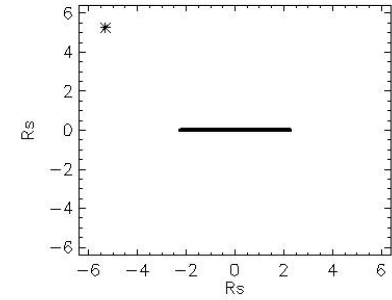
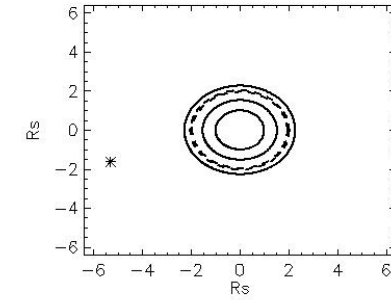
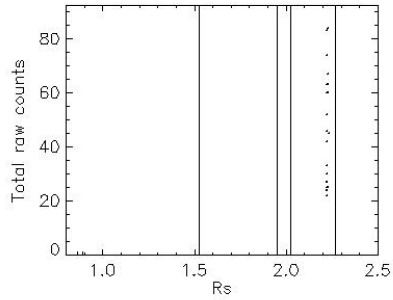
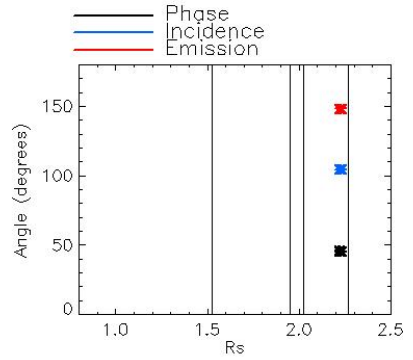
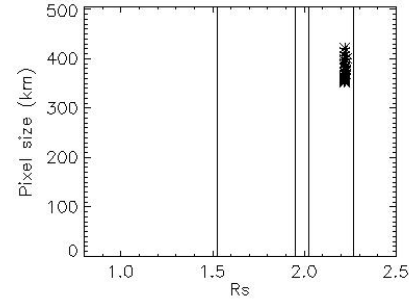
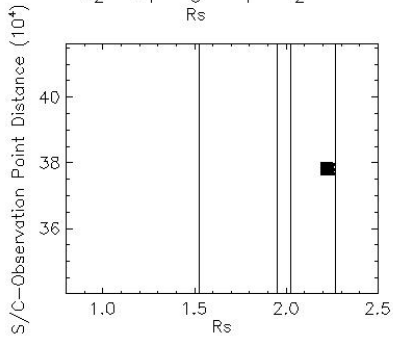


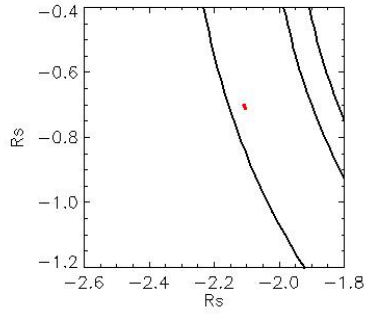
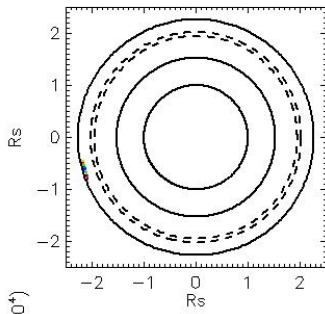
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_50_37

Observation Duration:
32 S

Integration time = 32 S



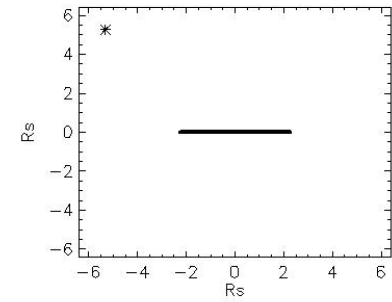
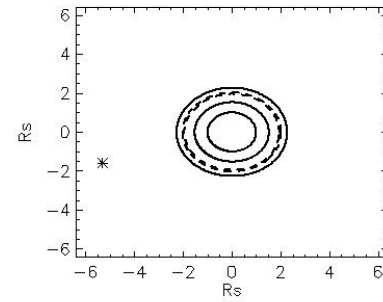
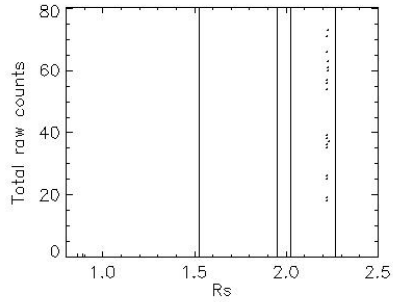
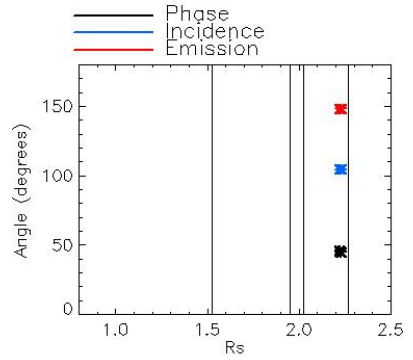
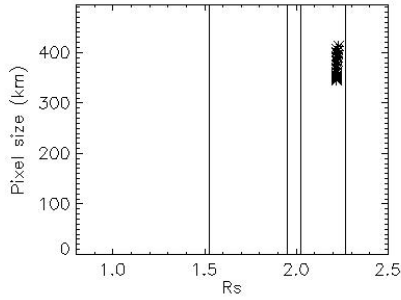
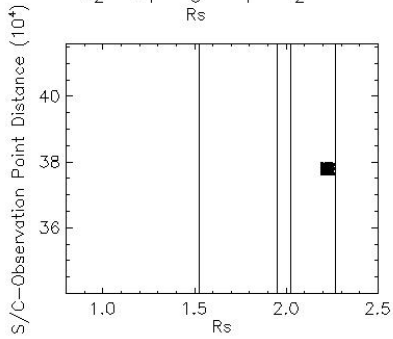


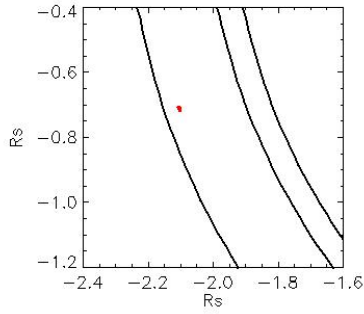
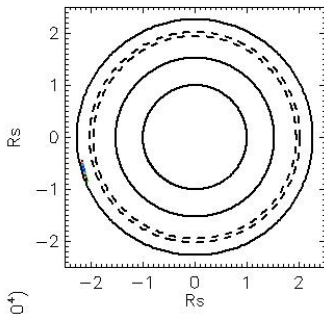
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_52_14

Observation Duration:
32 S

Integration time = 32 S



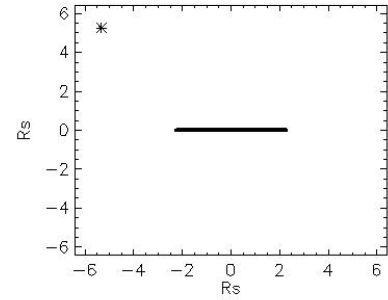
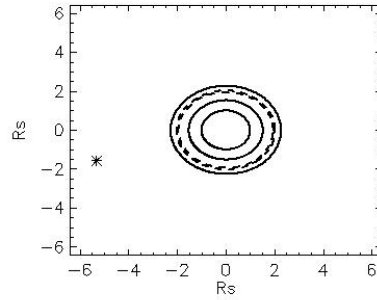
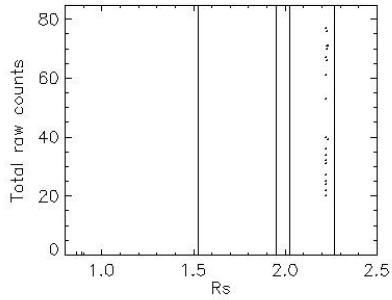
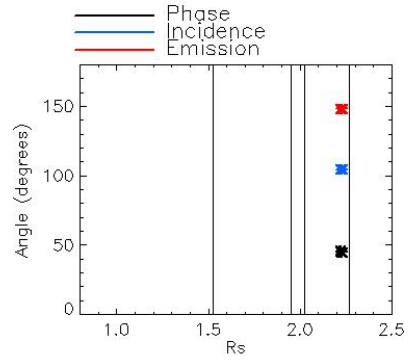
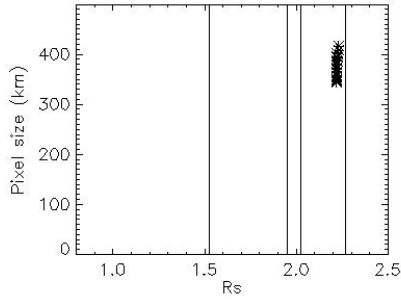
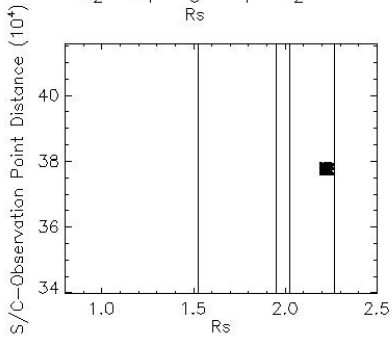


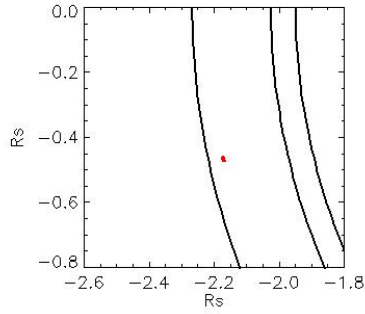
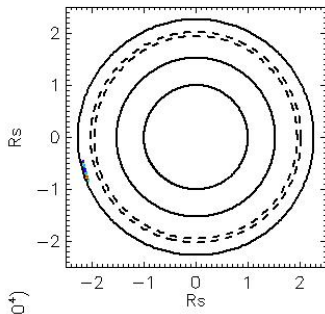
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_53_51

Observation Duration:
32 S

Integration time = 32 S



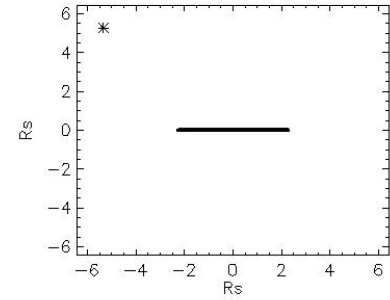
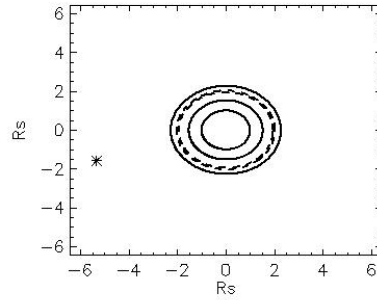
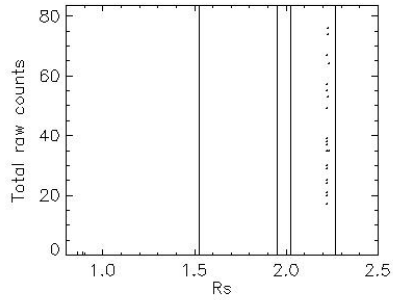
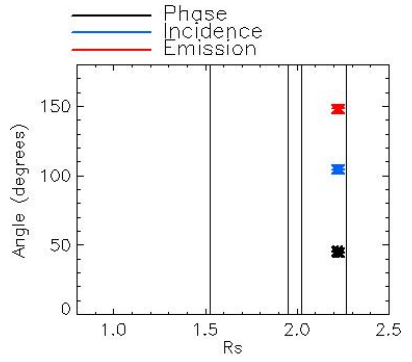
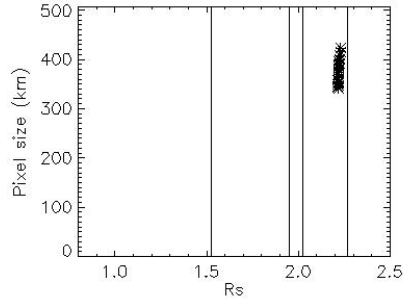
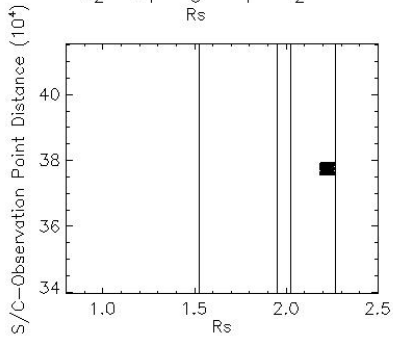


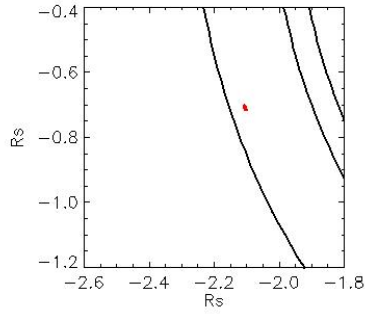
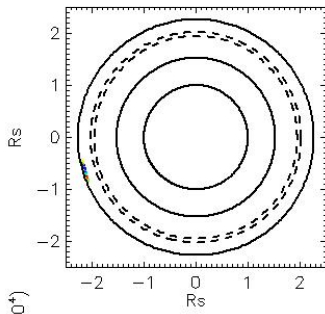
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_55_28

Observation Duration:
32 S

Integration time = 32 S



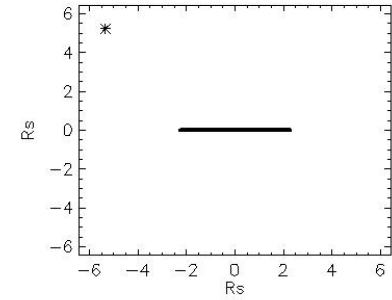
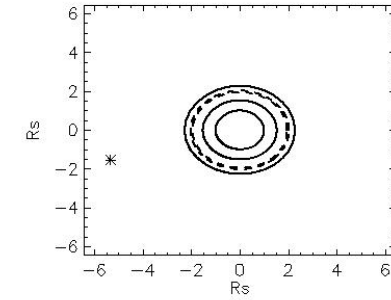
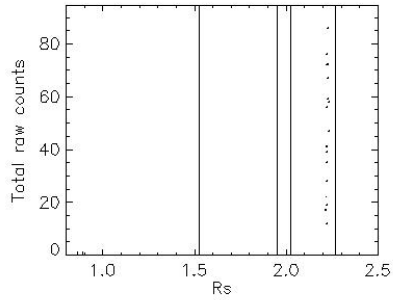
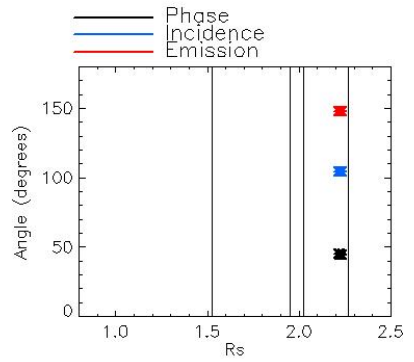
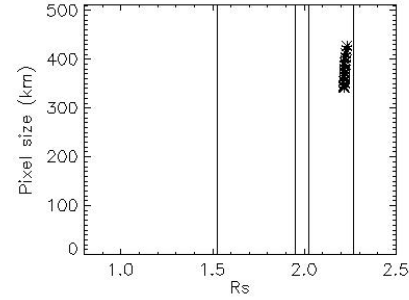
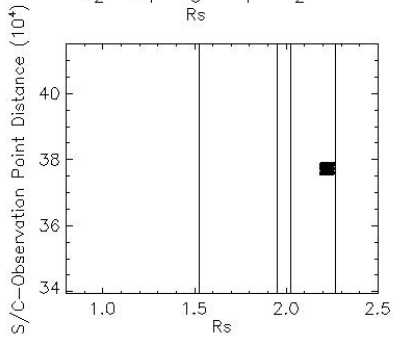


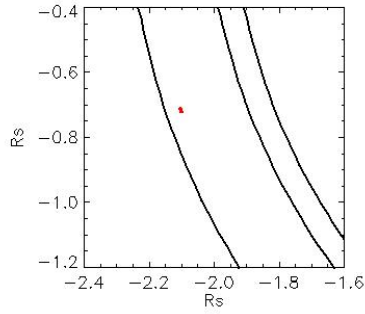
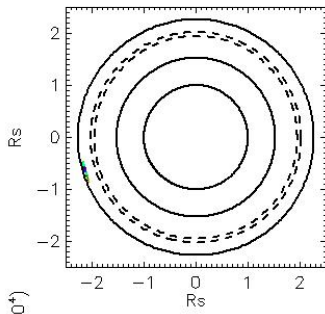
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_57_05

Observation Duration:
32 S

Integration time = 32 S



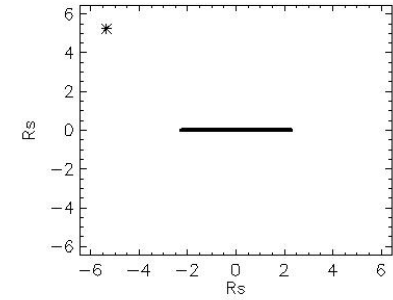
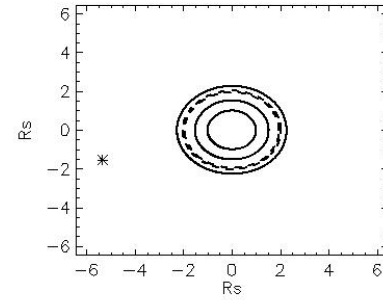
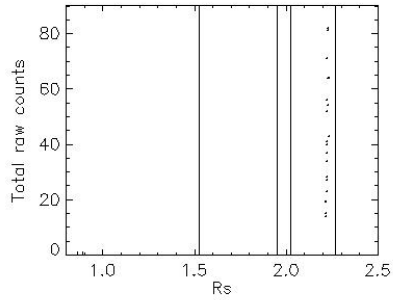
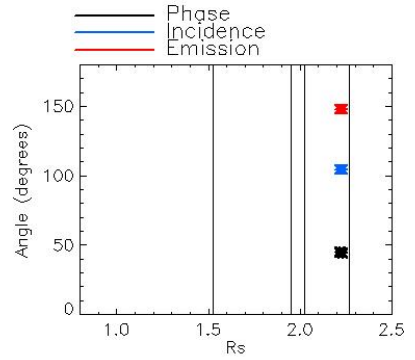
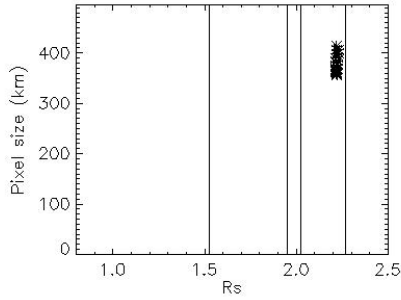
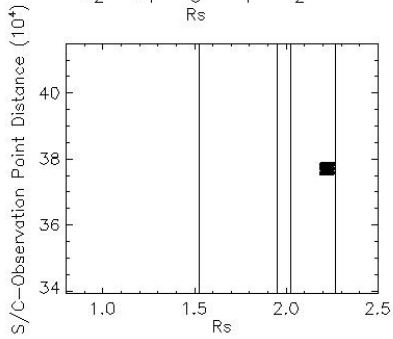


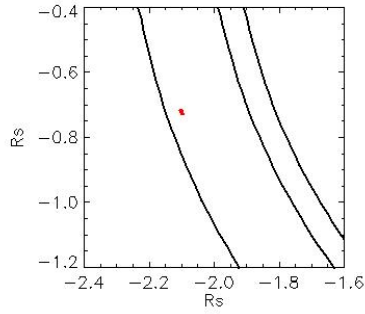
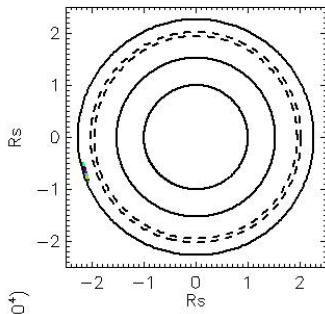
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_21_58_42

Observation Duration:
32 S

Integration time = 32 S



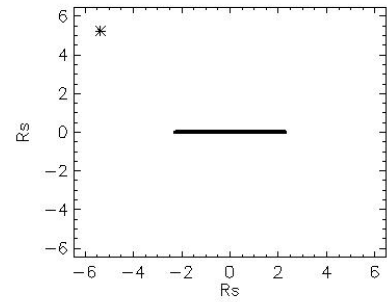
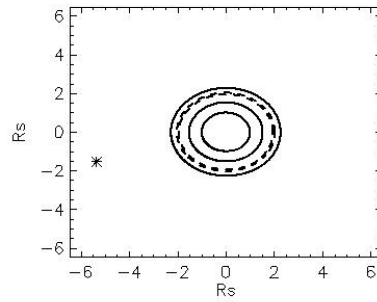
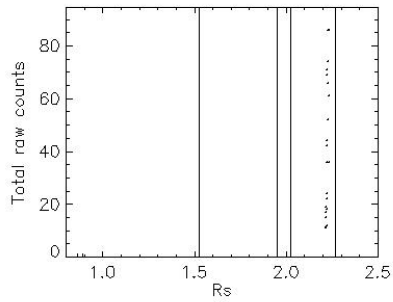
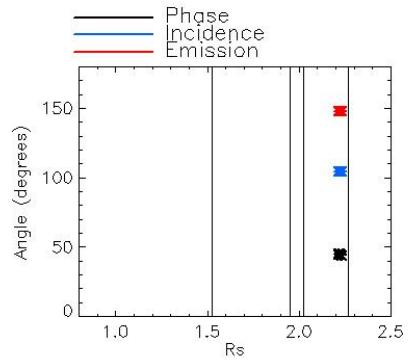
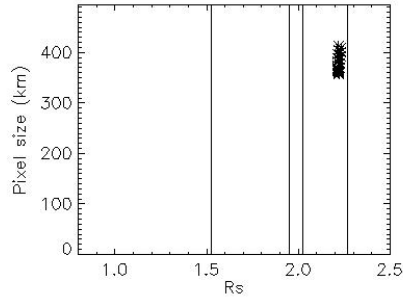
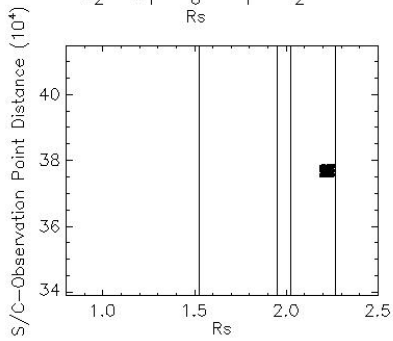


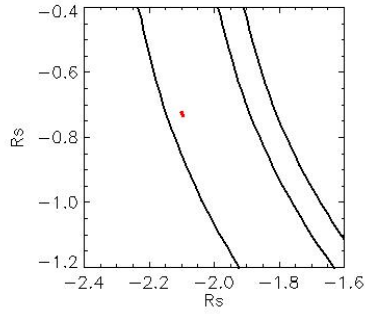
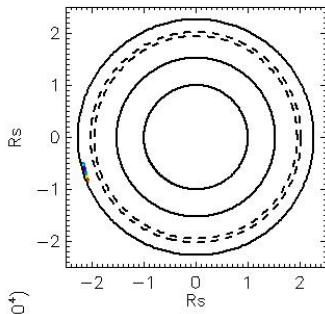
Observation Name:
UMS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_22_00_19

Observation Duration:
32 S

Integration time = 32 S





Observation Name:
UWS_035RLAZSCNLOPH001_ISS

Observation Date:
2006_348_22_01_56

Observation Duration:
32 S

Integration time = 32 S

