

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.

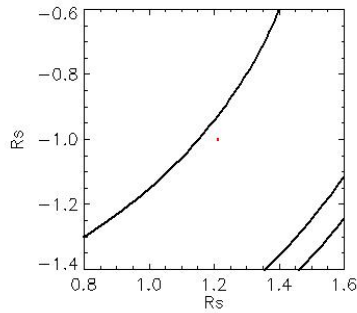
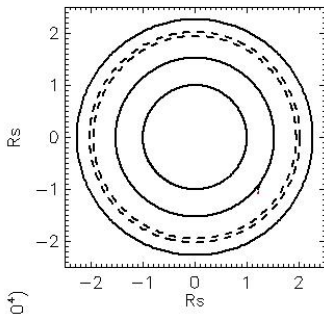
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.

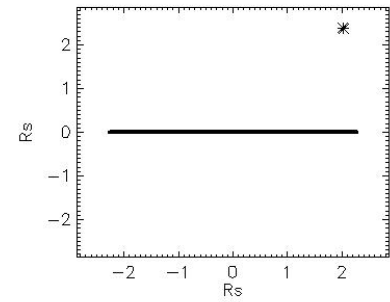
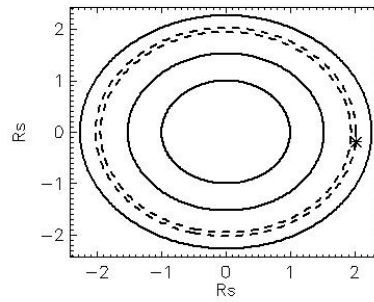
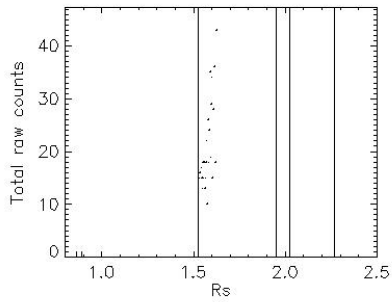
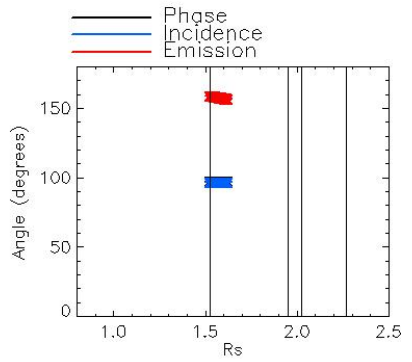
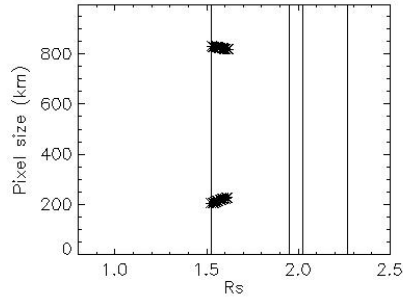
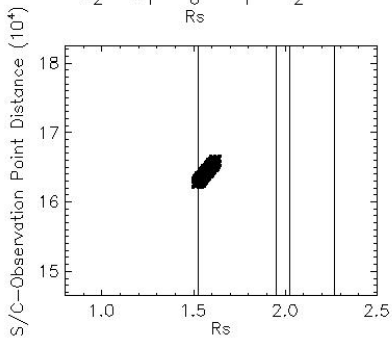


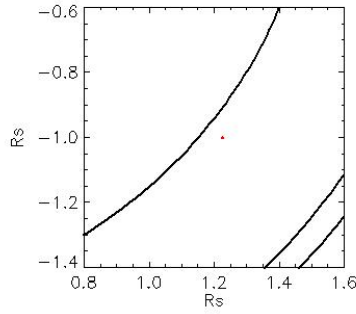
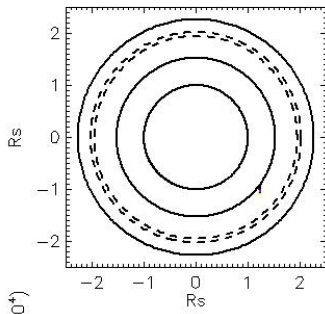
Observation Name:
UMS_071RLDRSSCHP001_ISS_1

Observation Date:
2008_161_04_08_12

Observation Duration:
80 S

Integration time = 40 S



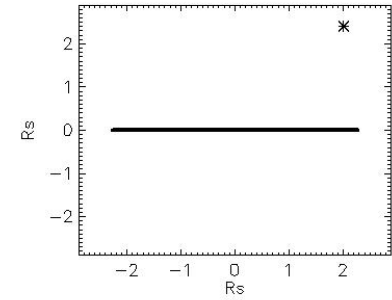
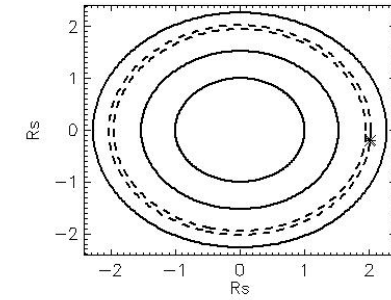
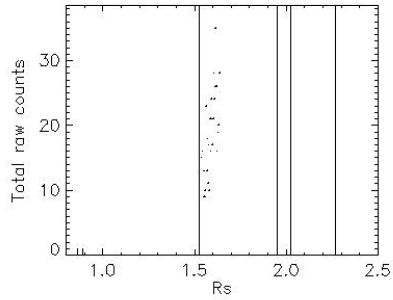
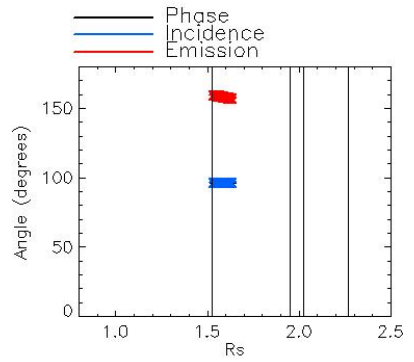
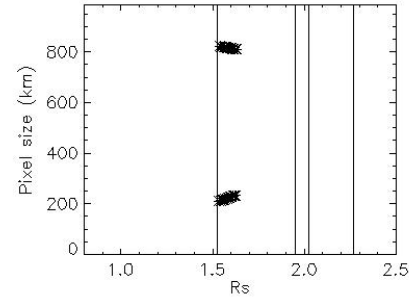
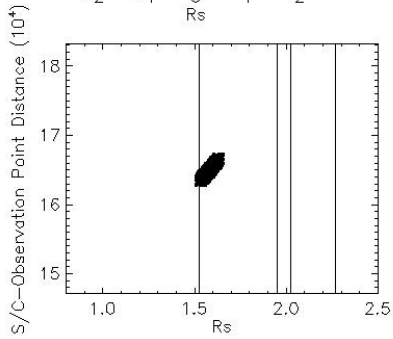


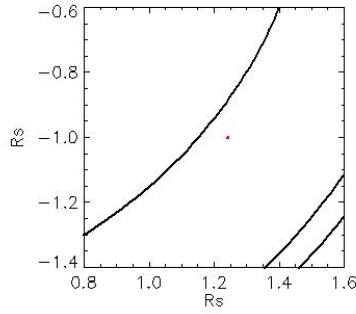
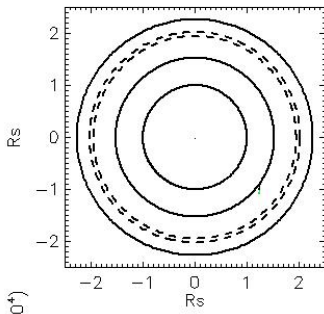
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_04_09_50

Observation Duration:
80 S

Integration time = 40 S



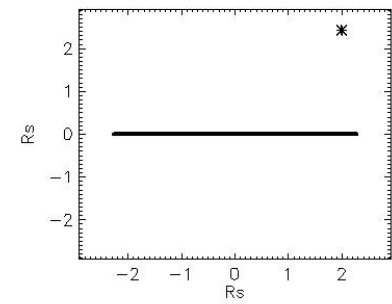
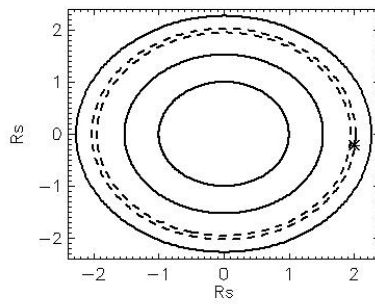
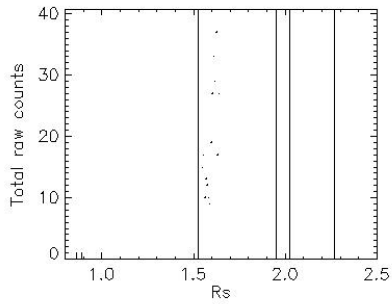
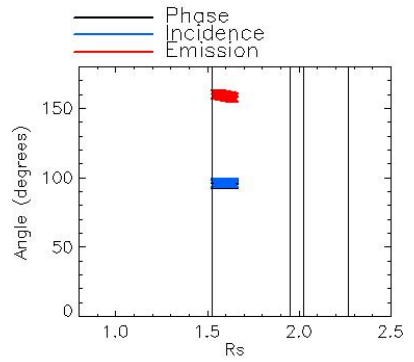
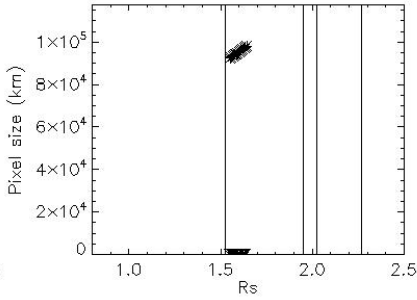
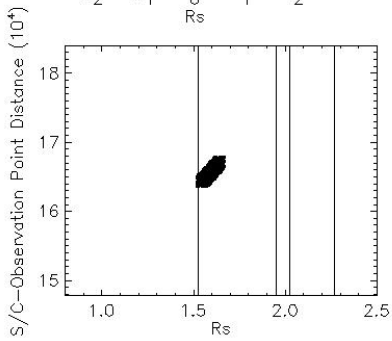


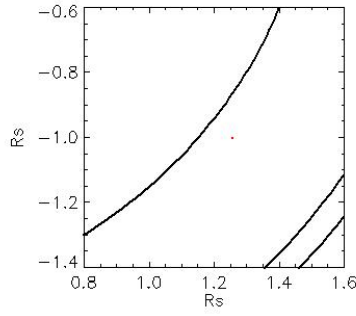
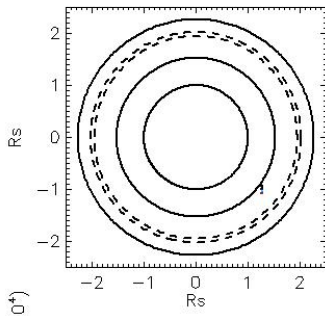
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_11_28

Observation Duration:
80 S

Integration time = 40 S



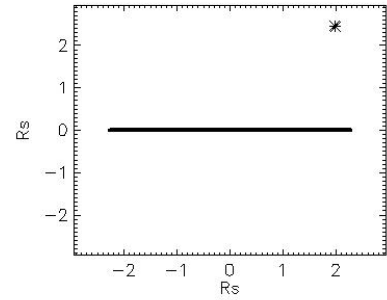
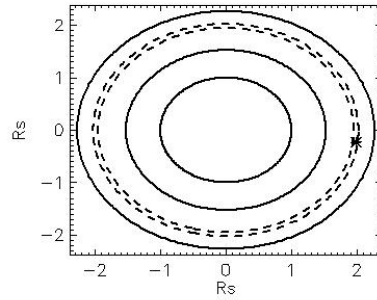
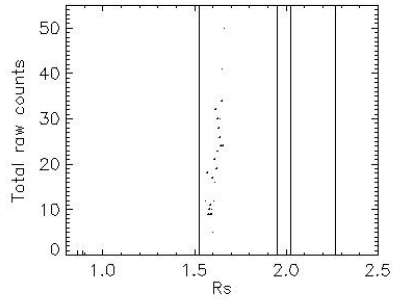
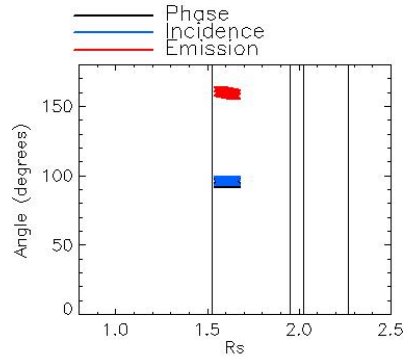
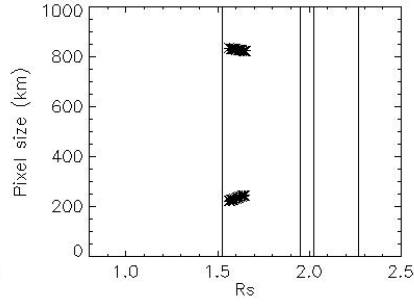
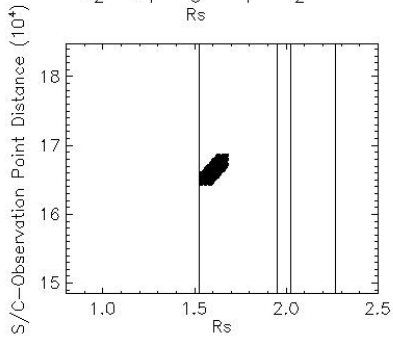


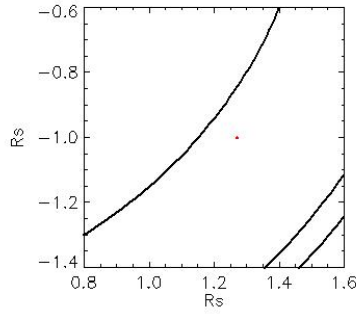
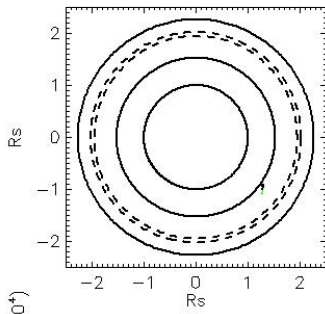
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_13_06

Observation Duration:
80 S

Integration time = 40 S



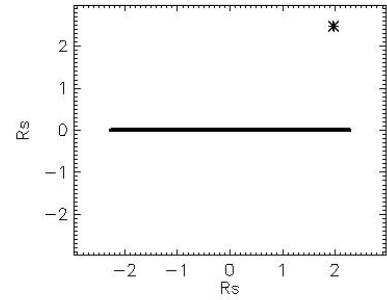
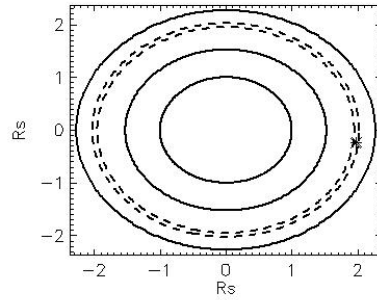
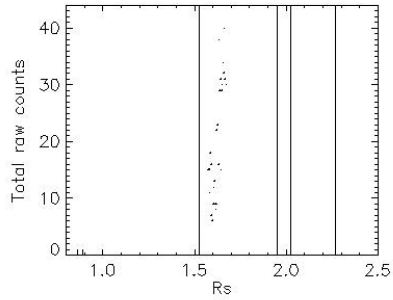
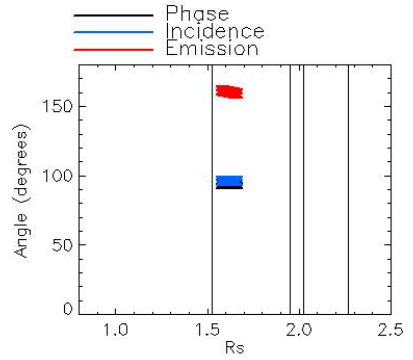
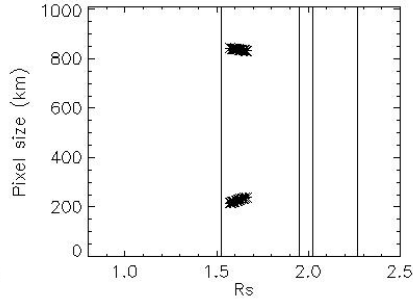
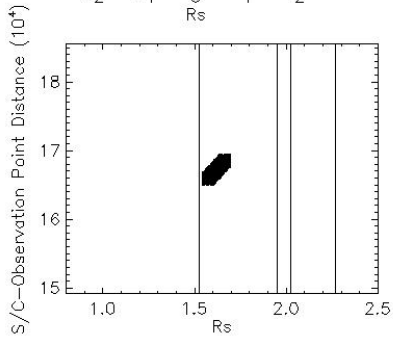


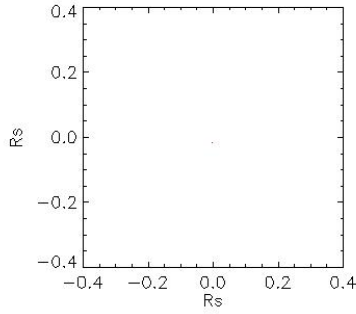
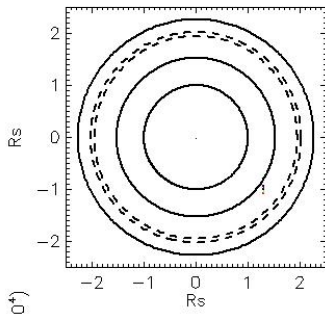
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_14_43

Observation Duration:
80 S

Integration time = 40 S



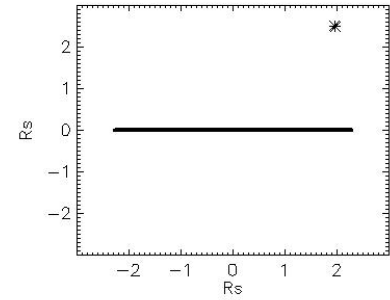
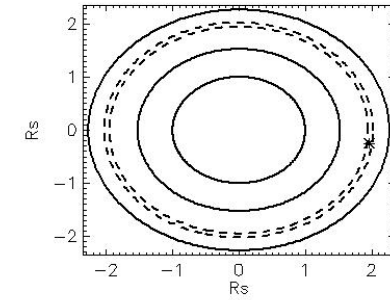
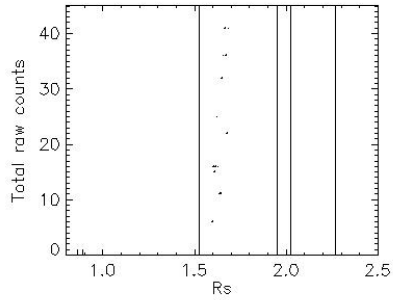
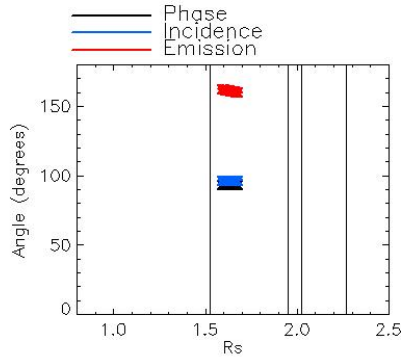
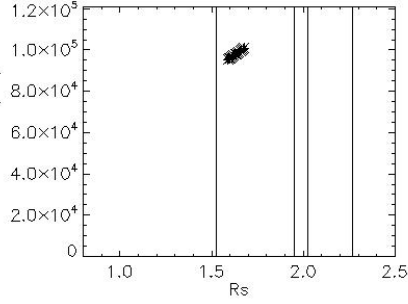
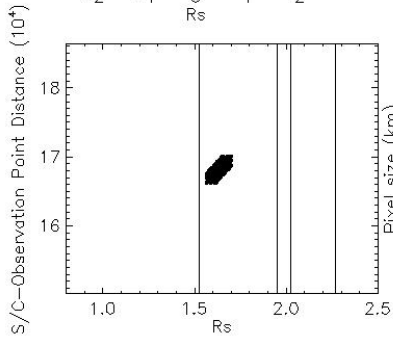


Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_16_20

Observation Duration:
80 S

Integration time = 40 S

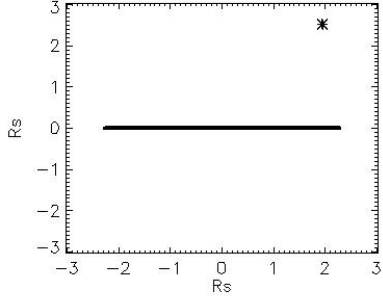
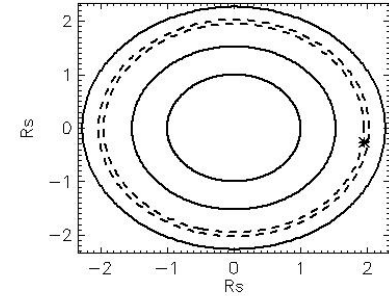
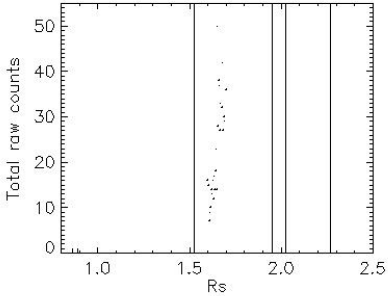
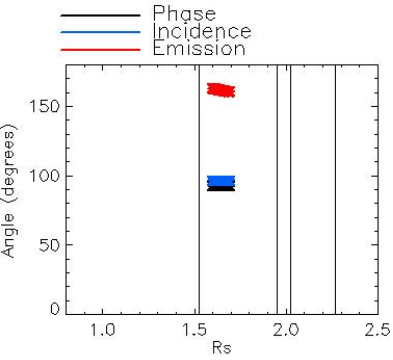
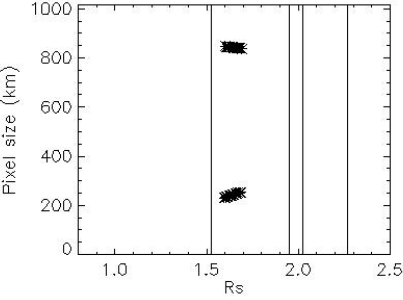
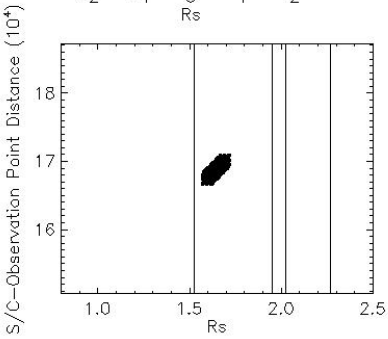
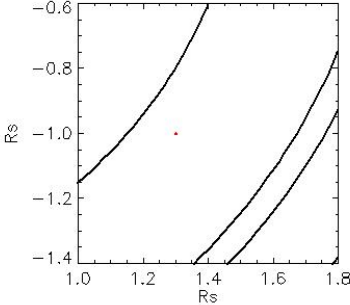
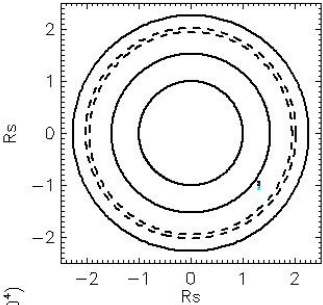


Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_17_57

Observation Duration:
80 S

Integration time = 40 S

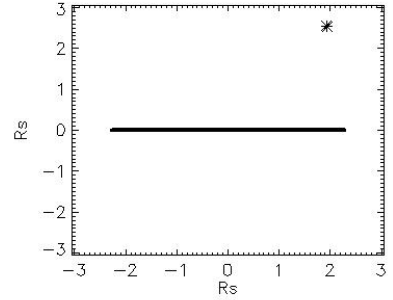
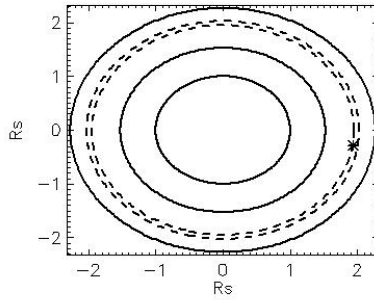
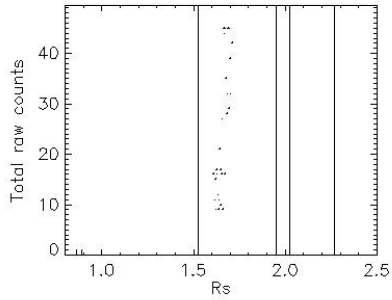
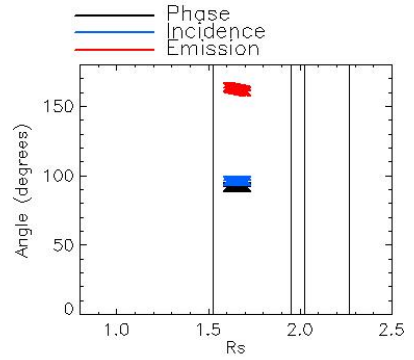
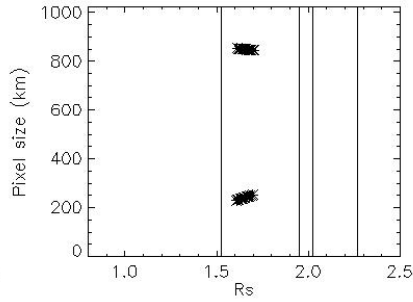
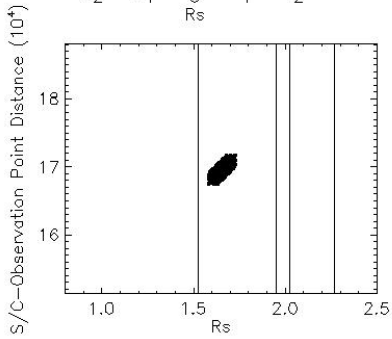
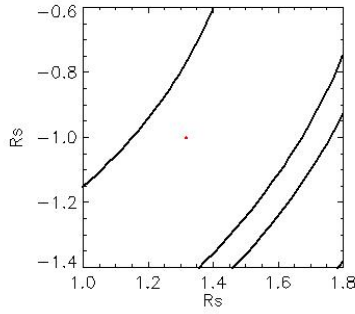
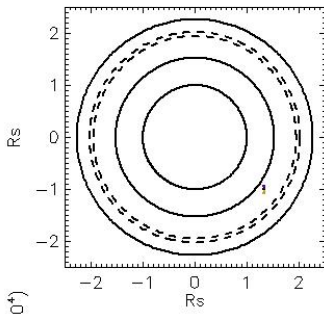


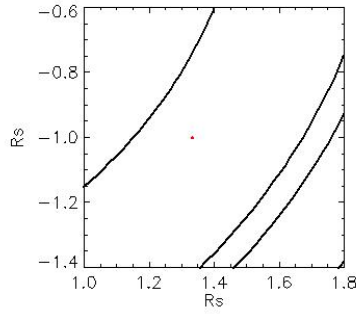
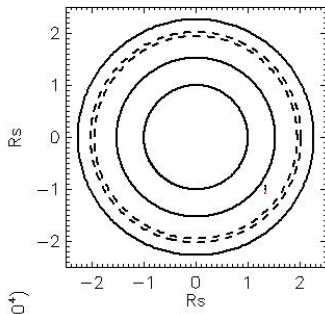
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_19_34

Observation Duration:
80 S

Integration time = 40 S



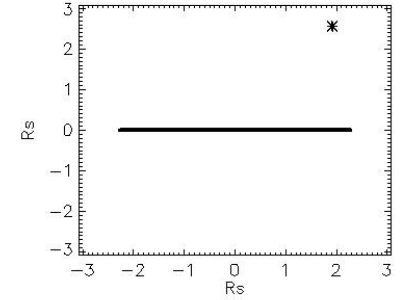
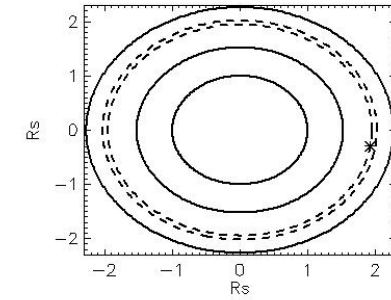
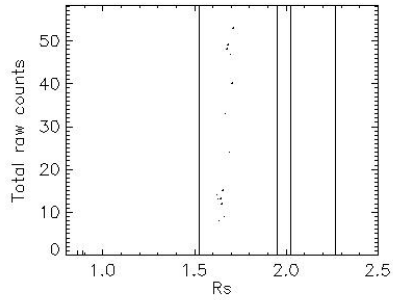
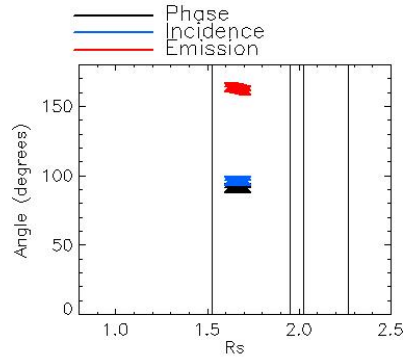
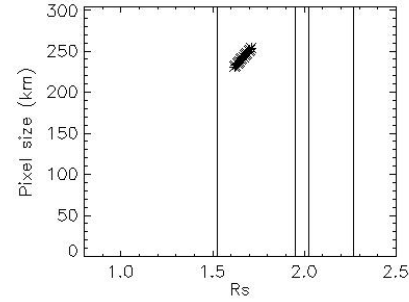
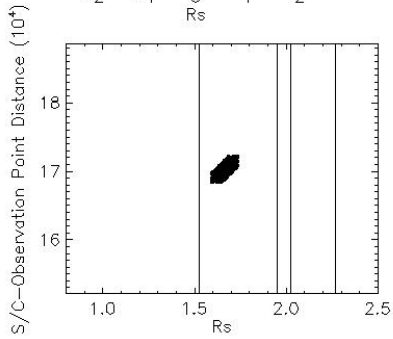


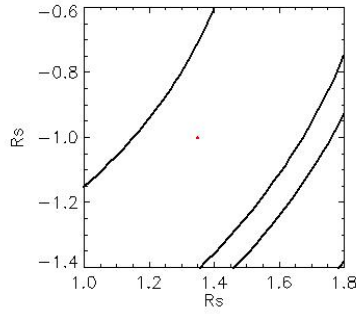
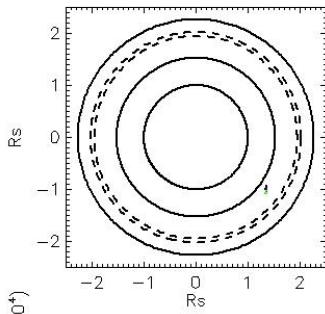
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_21_11

Observation Duration:
80 S

Integration time = 40 S



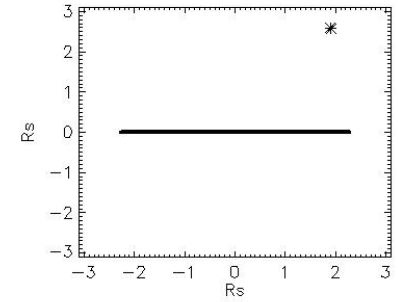
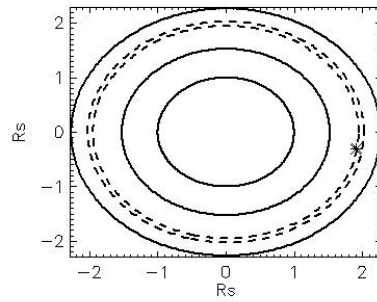
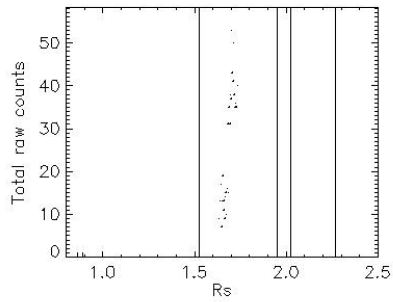
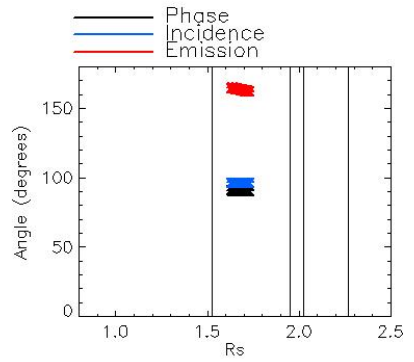
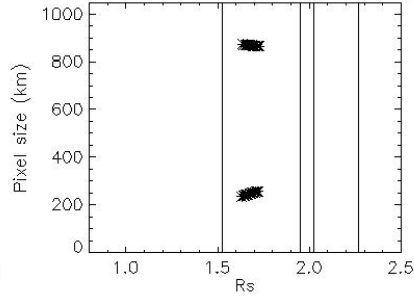
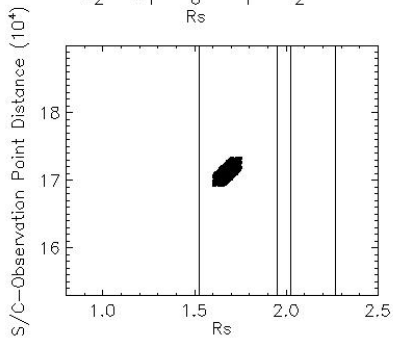


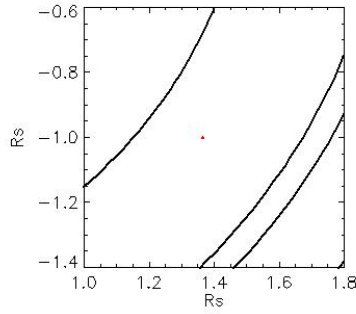
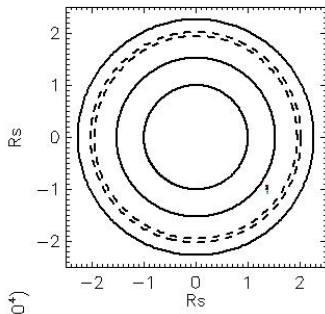
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_22_48

Observation Duration:
80 S

Integration time = 40 S



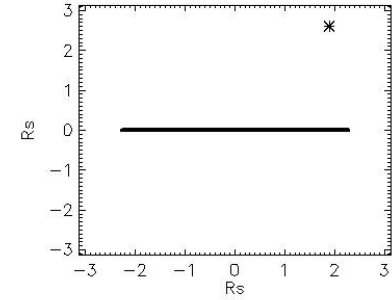
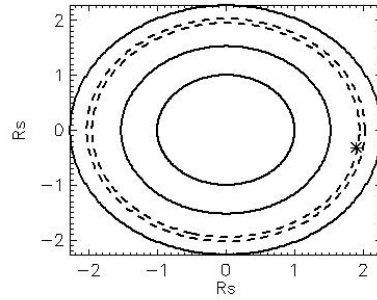
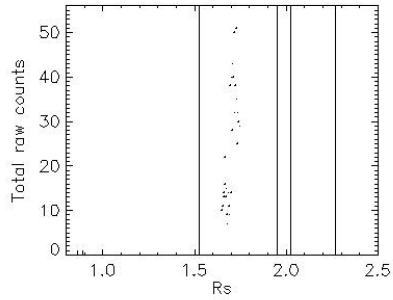
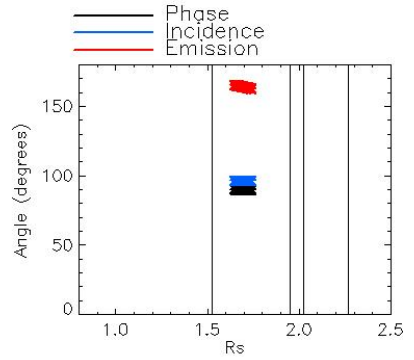
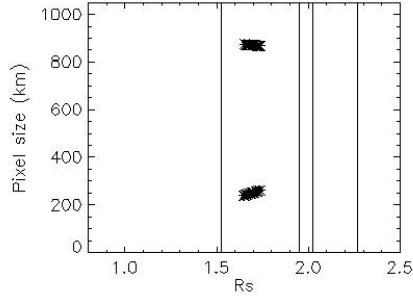
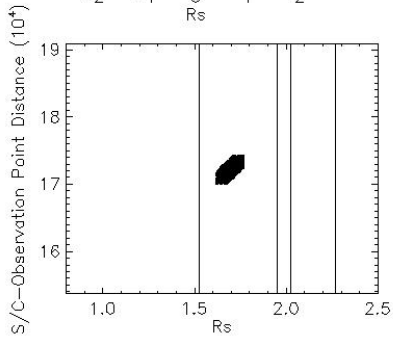


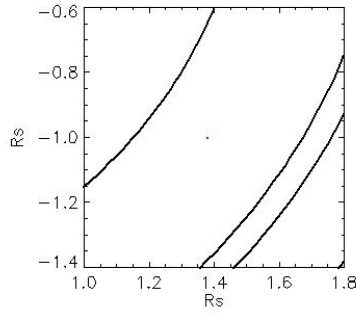
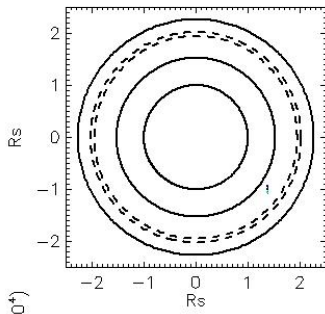
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_24_25

Observation Duration:
80 S

Integration time = 40 S



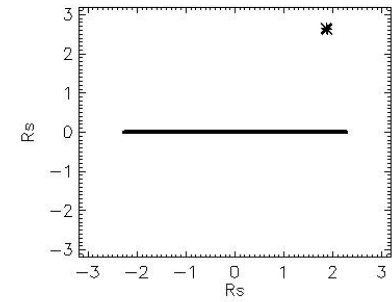
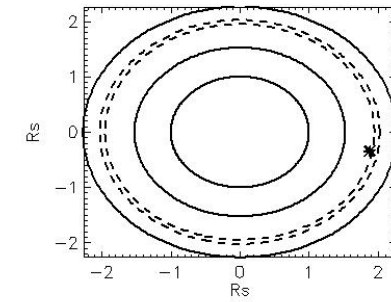
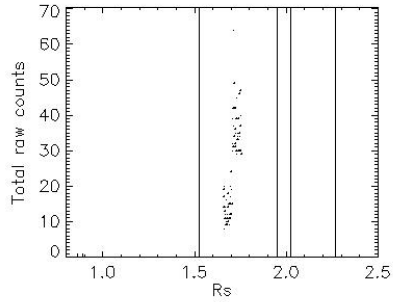
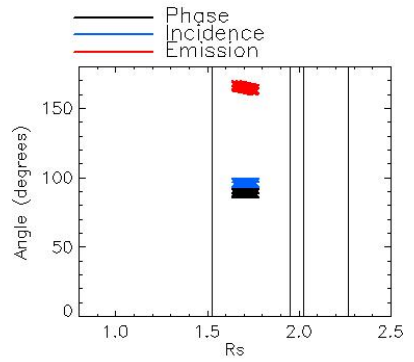
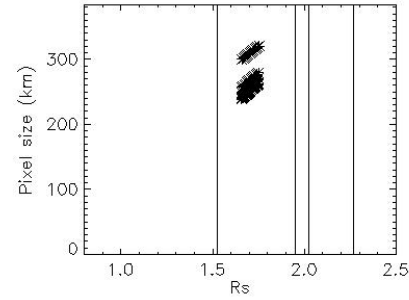
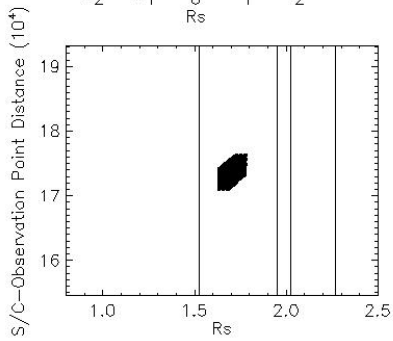


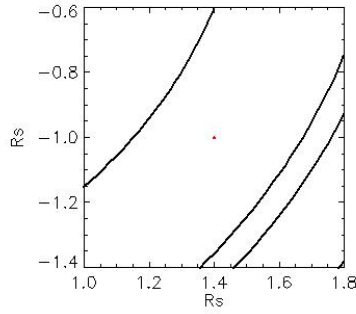
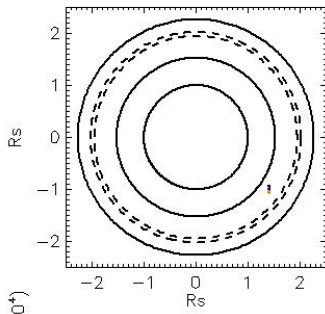
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_26_01

Observation Duration:
200 S

Integration time = 40 S



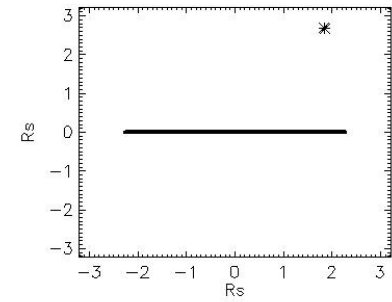
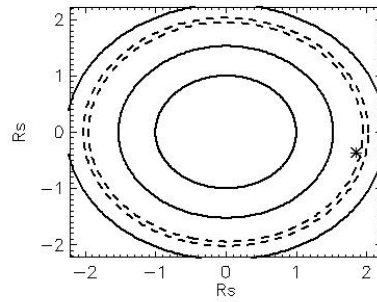
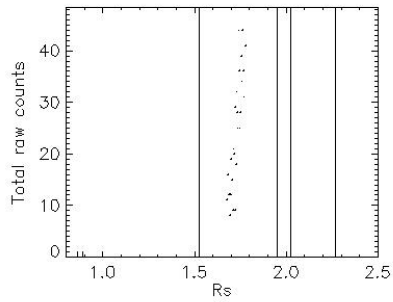
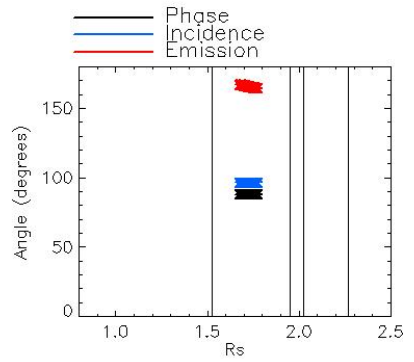
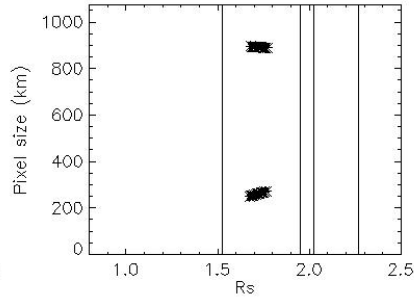
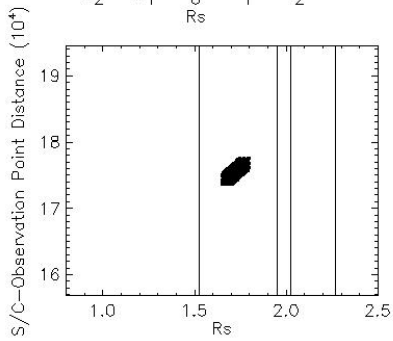


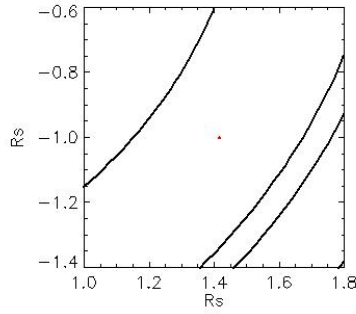
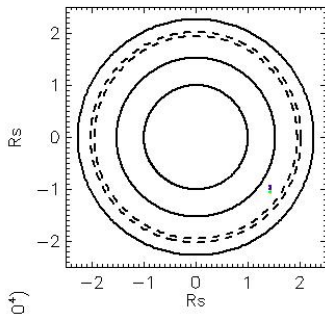
Observation Name:
UVS_071RLDRSSCHP001_ISS_1

Observation Date:
2008_161_04_30_08

Observation Duration:
80 S

Integration time = 40 S



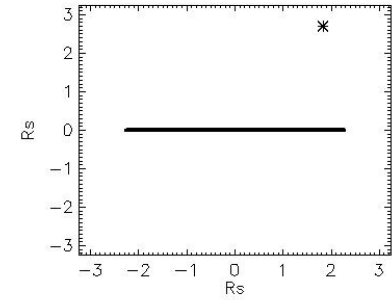
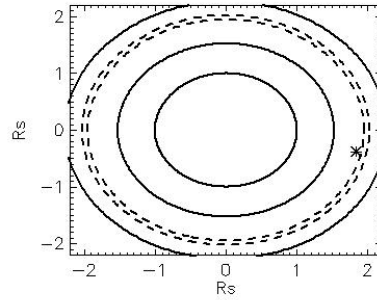
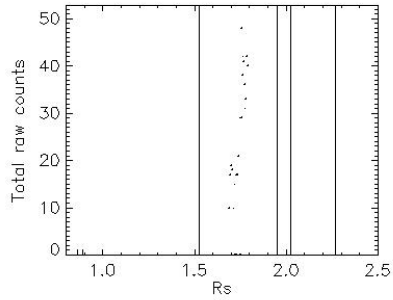
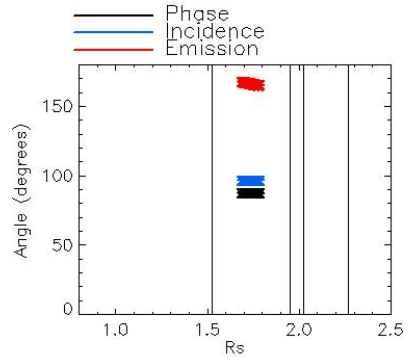
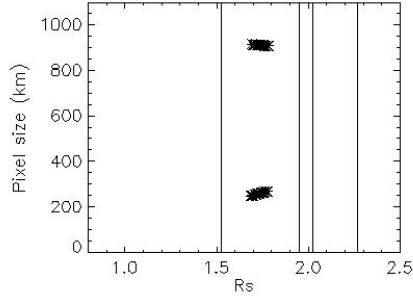
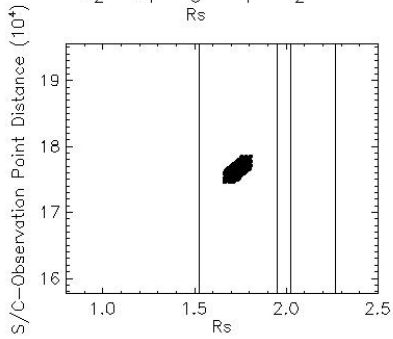


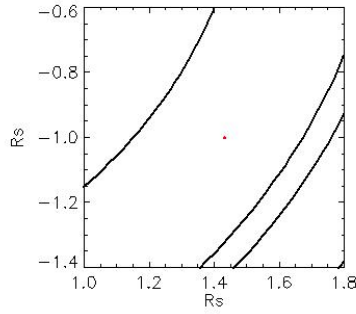
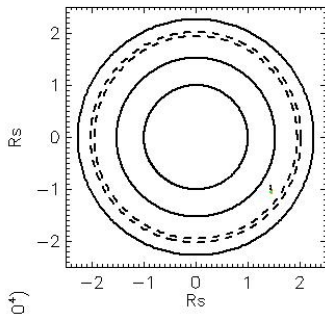
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_31_44

Observation Duration:
80 S

Integration time = 40 S



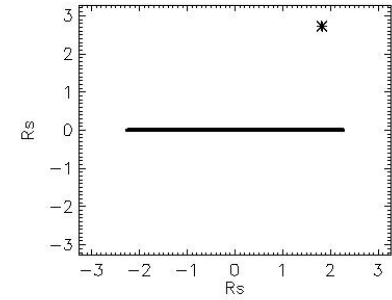
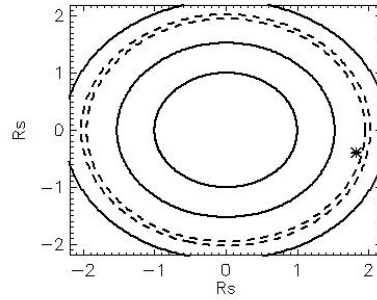
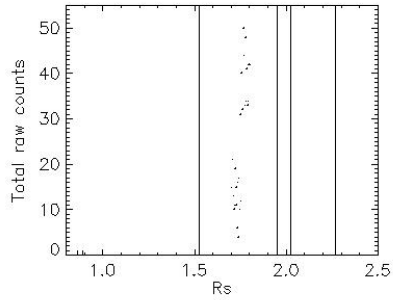
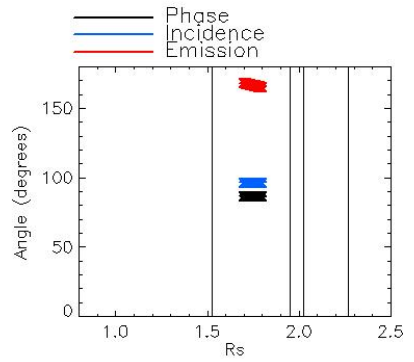
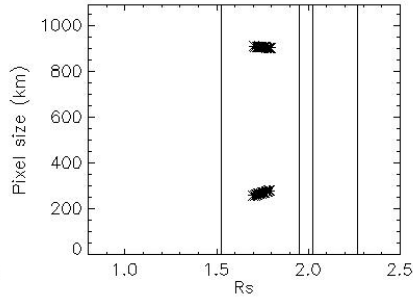
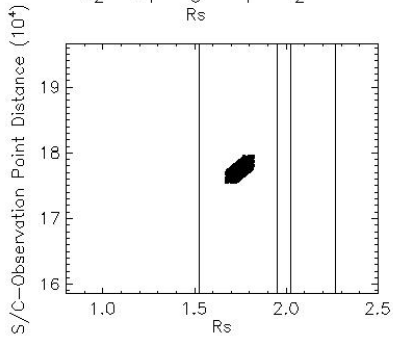


Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_33_20

Observation Duration:
80 S

Integration time = 40 S

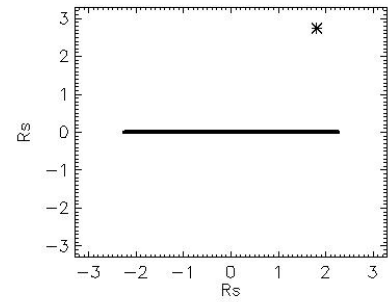
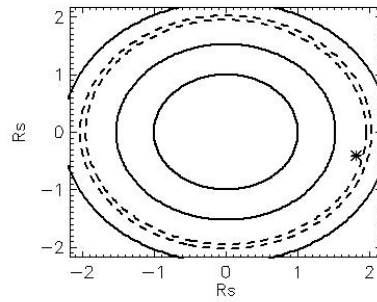
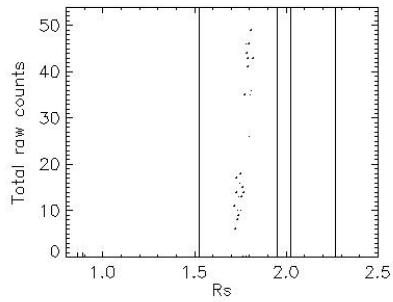
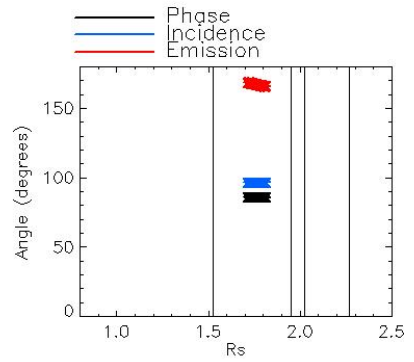
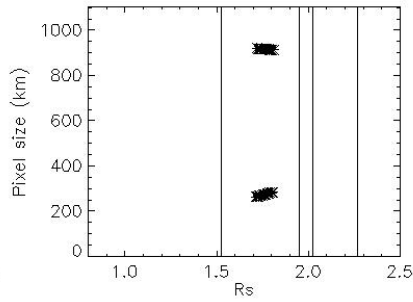
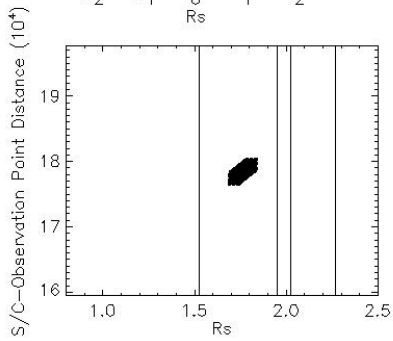
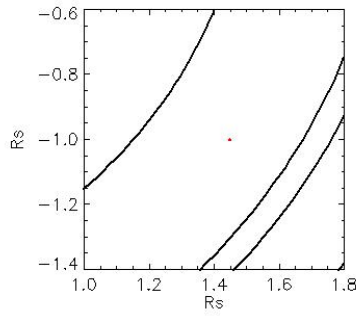
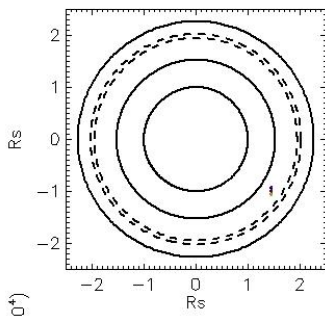


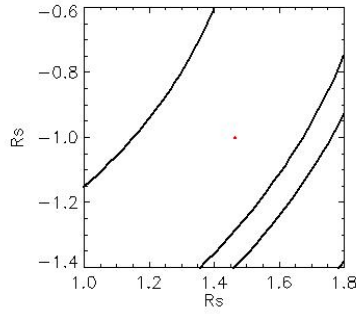
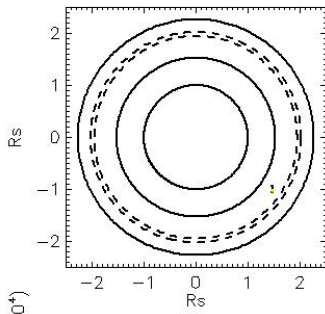
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_34_56

Observation Duration:
80 S

Integration time = 40 S



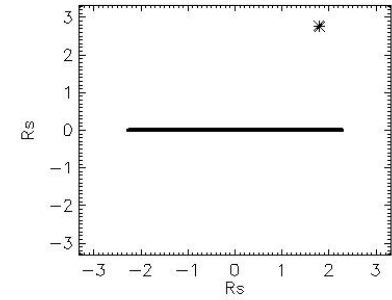
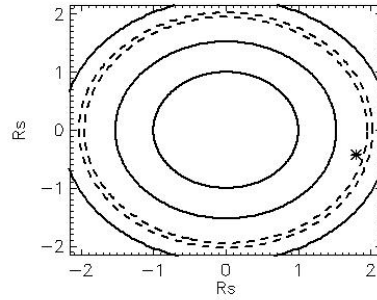
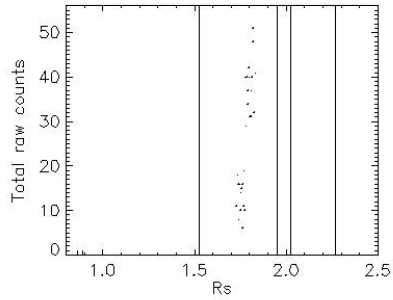
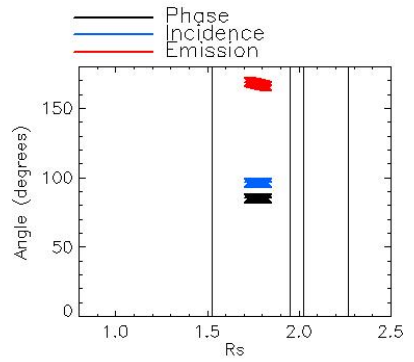
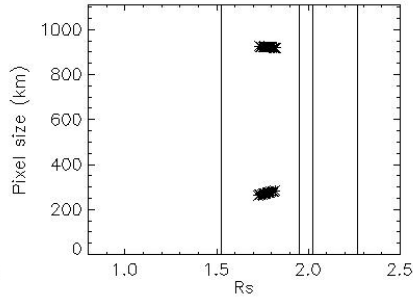
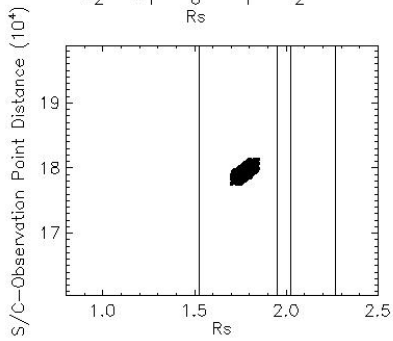


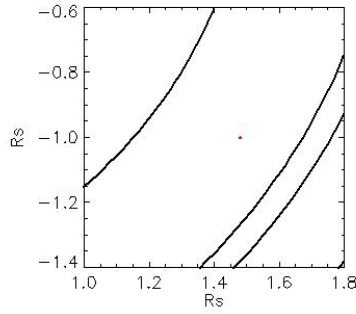
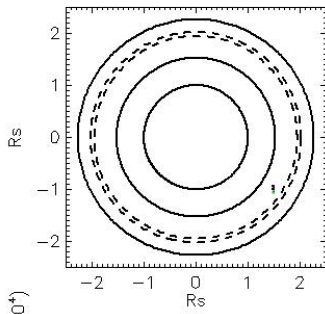
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_36_32

Observation Duration:
80 S

Integration time = 40 S



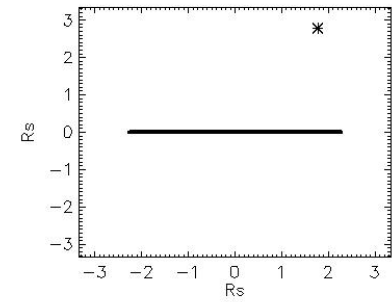
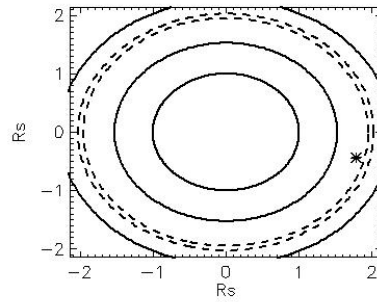
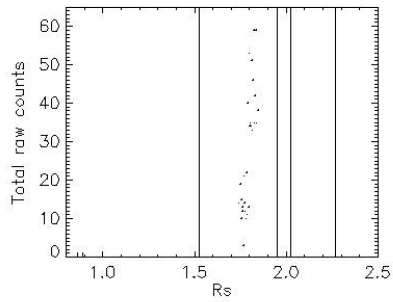
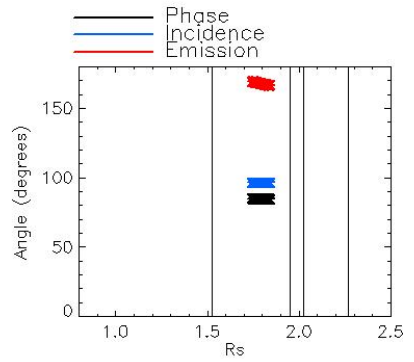
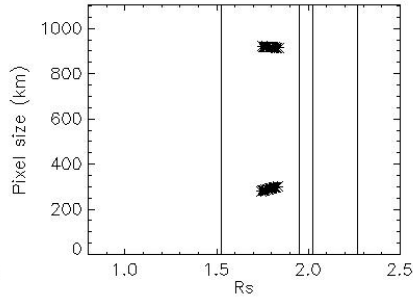
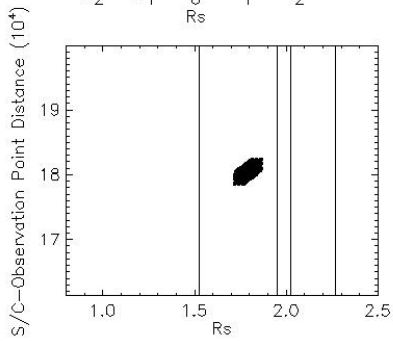


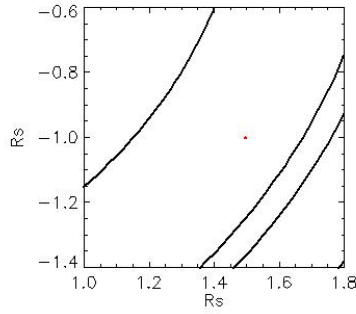
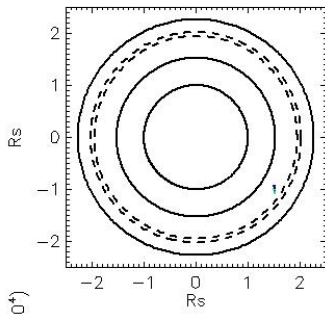
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_38_08

Observation Duration:
80 S

Integration time = 40 S



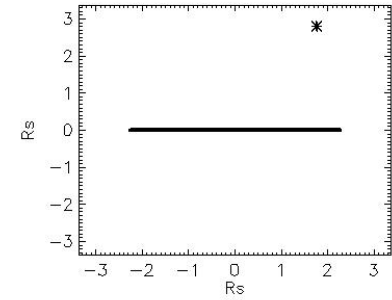
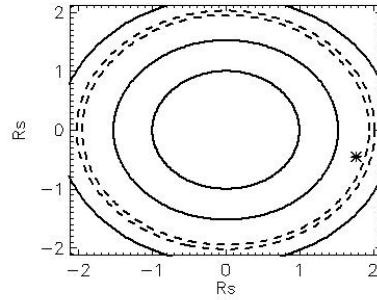
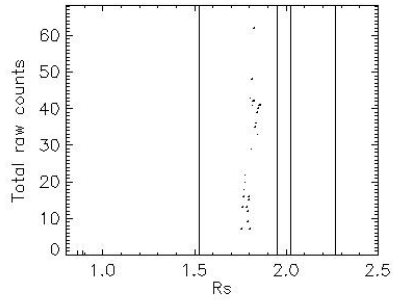
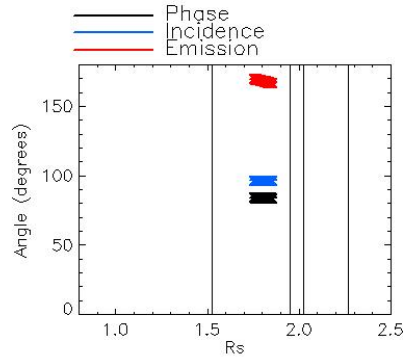
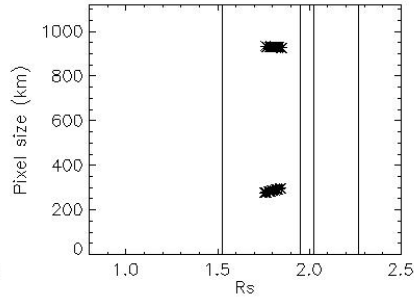
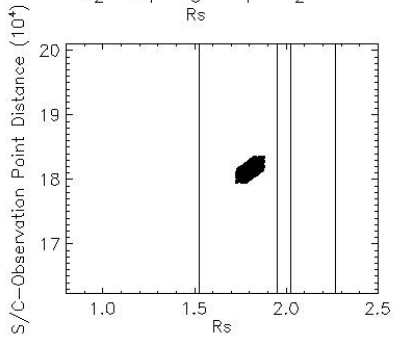


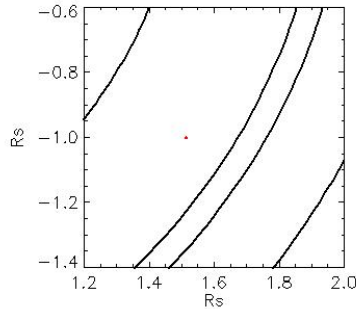
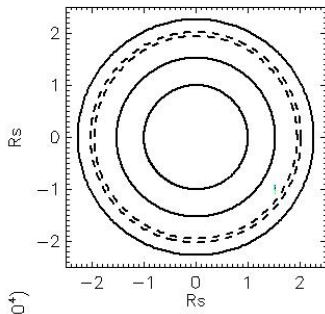
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_39_43

Observation Duration:
80 S

Integration time = 40 S



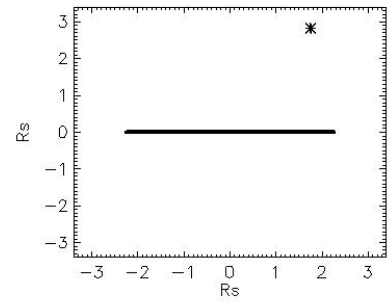
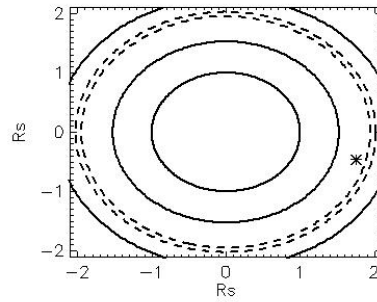
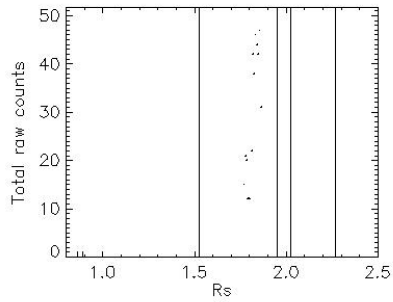
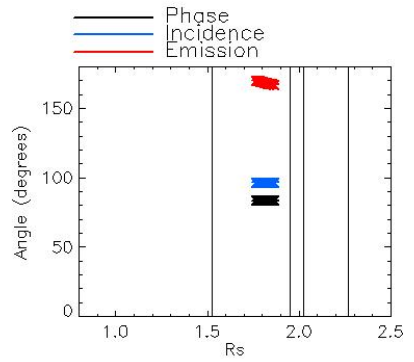
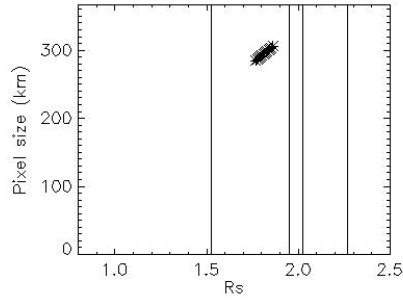
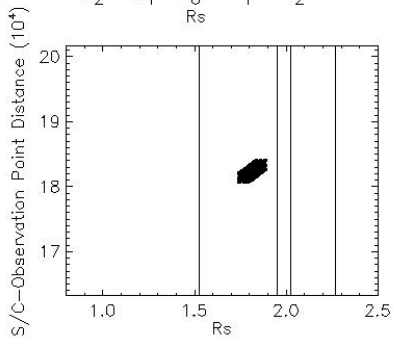


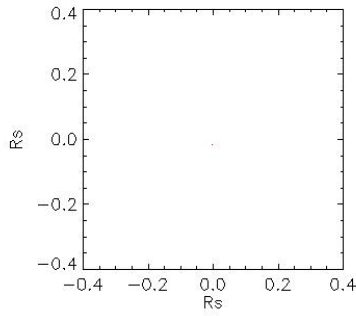
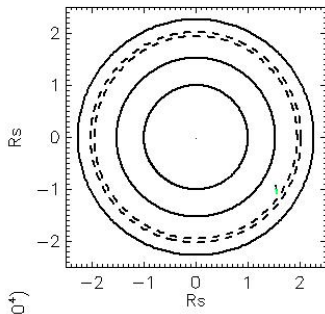
Observation Name:
UMS_071RLDRSSCHP001_ISS_1

Observation Date:
2008_161_04_41_18

Observation Duration:
80 S

Integration time = 40 S



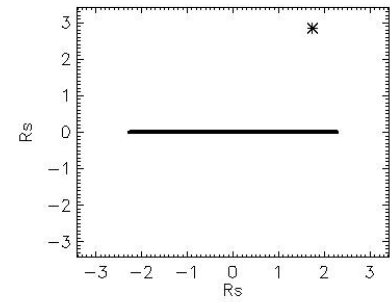
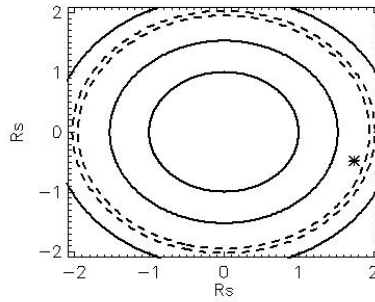
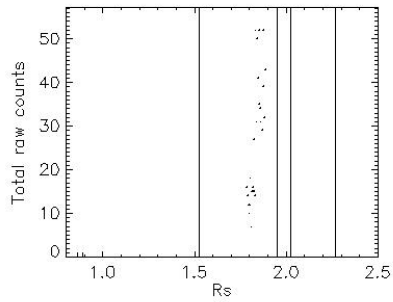
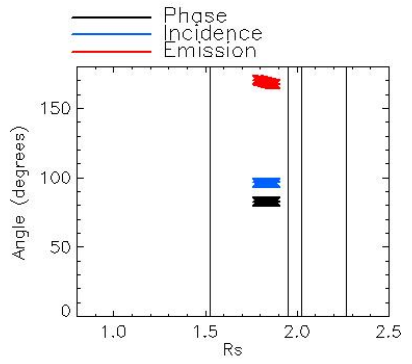
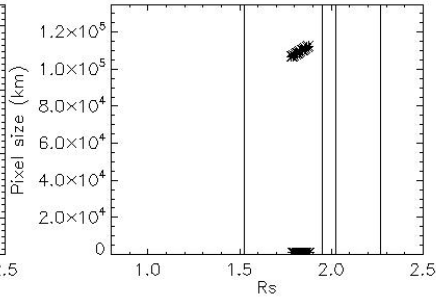
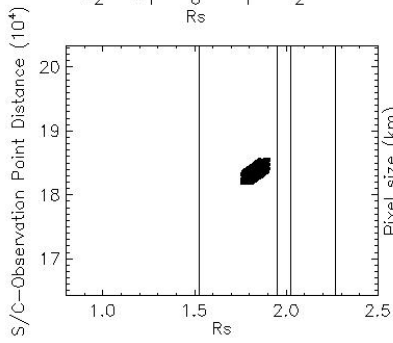


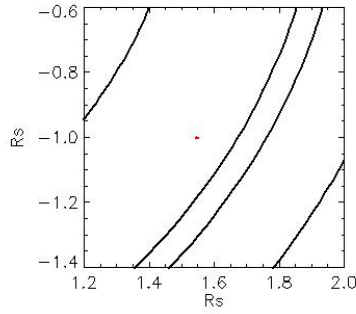
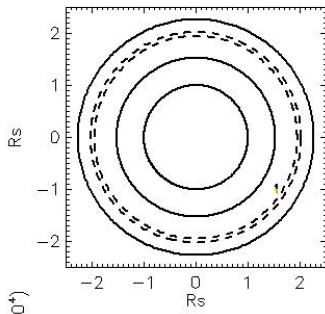
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_42_53

Observation Duration:
80 S

Integration time = 40 S



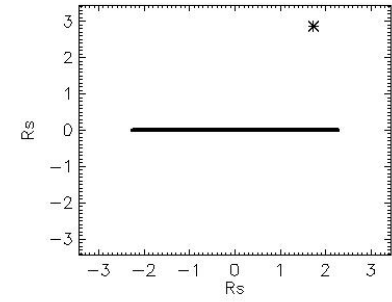
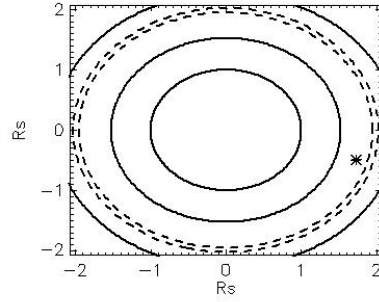
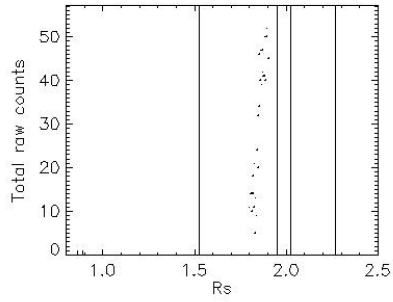
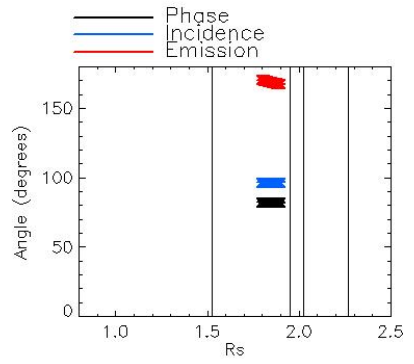
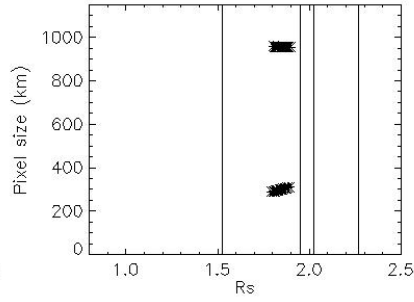
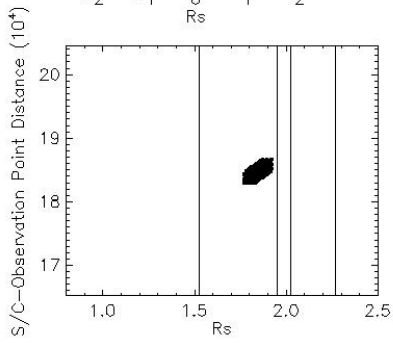


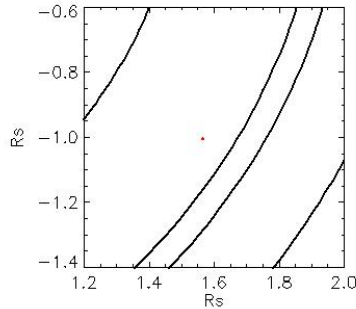
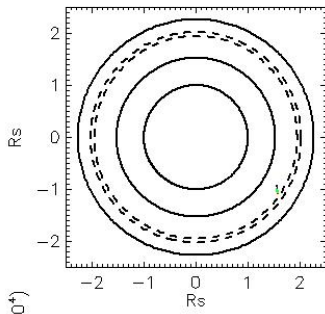
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_44_28

Observation Duration:
80 S

Integration time = 40 S



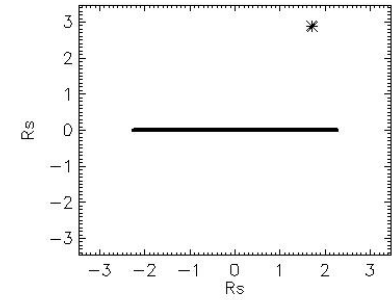
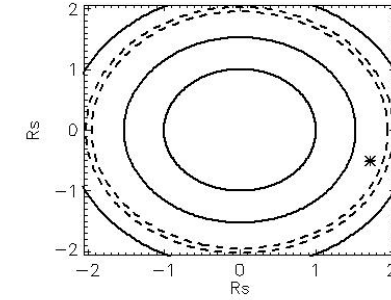
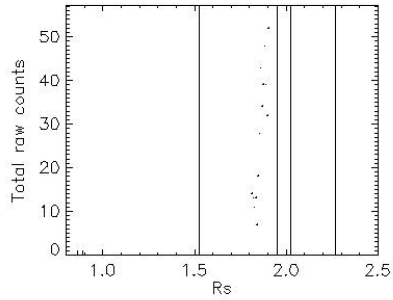
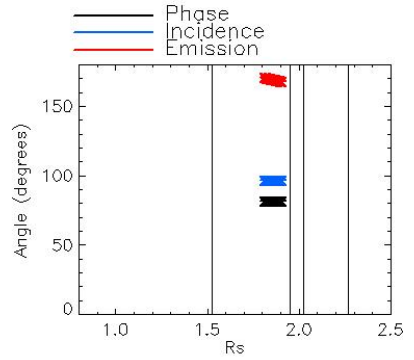
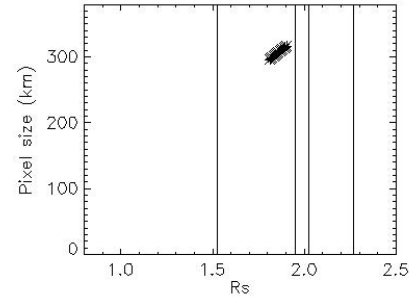
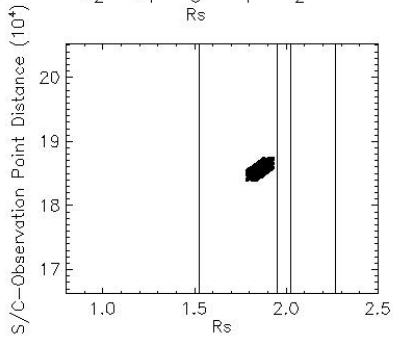


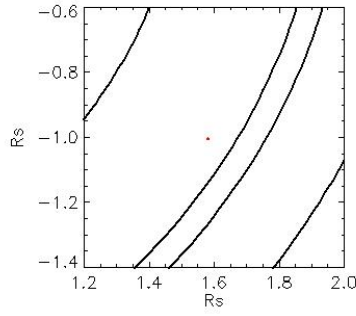
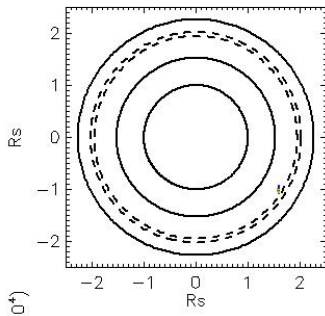
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_46_03

Observation Duration:
80 S

Integration time = 40 S



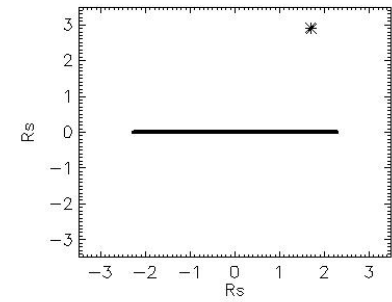
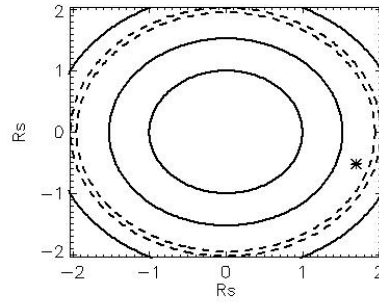
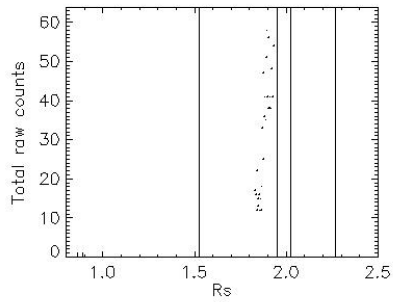
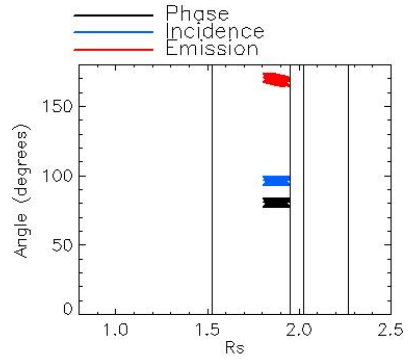
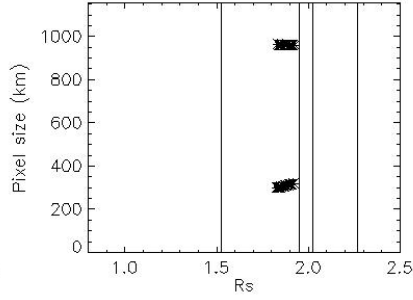
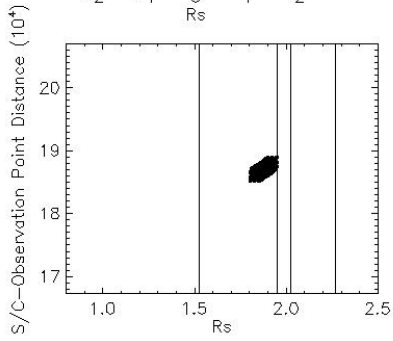


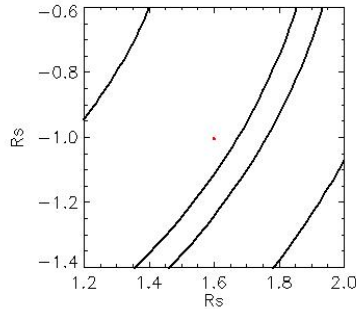
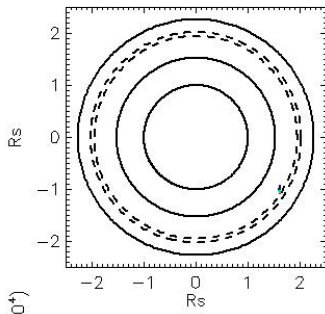
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_47_38

Observation Duration:
80 S

Integration time = 40 S



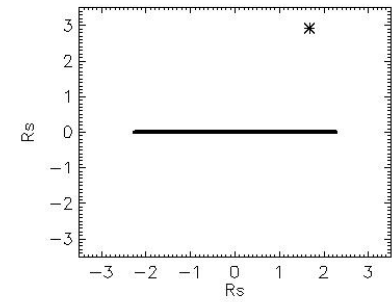
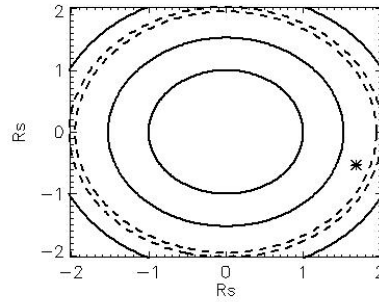
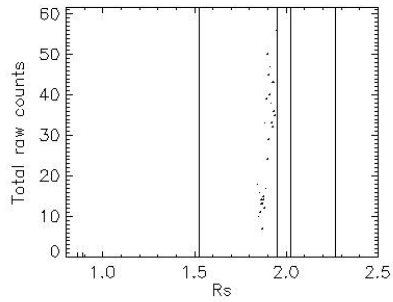
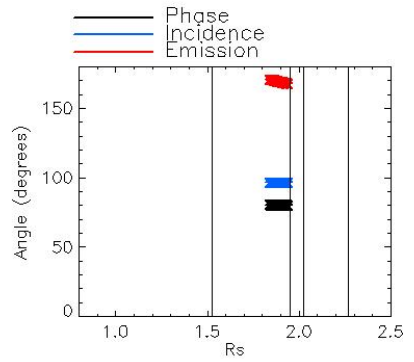
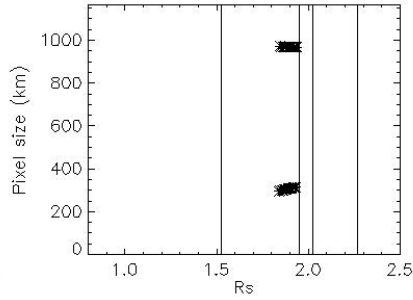
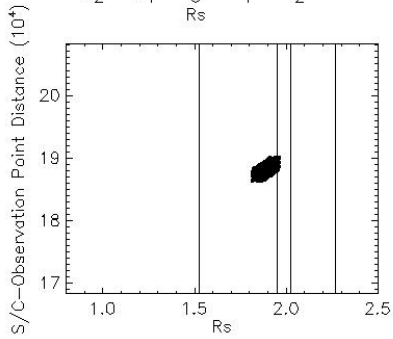


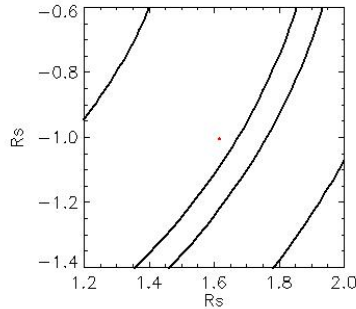
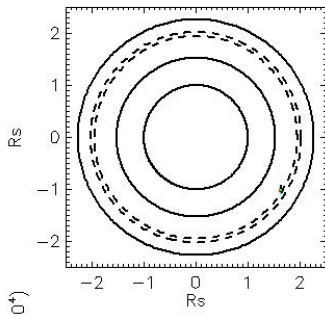
Observation Name:
UMS_071RLDRSSCHP001_ISS_1

Observation Date:
2008_161_04_49_13

Observation Duration:
80 S

Integration time = 40 S



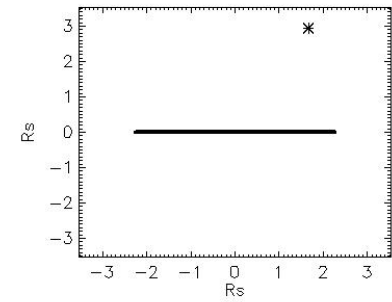
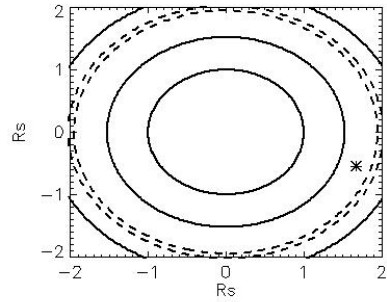
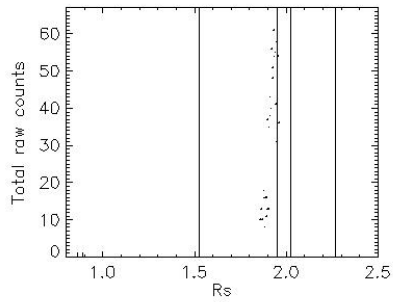
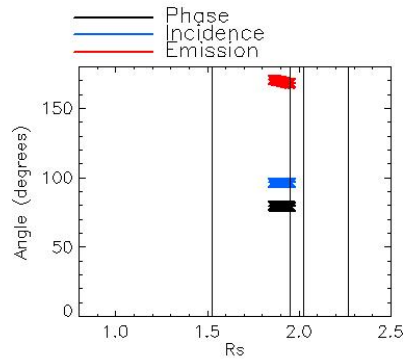
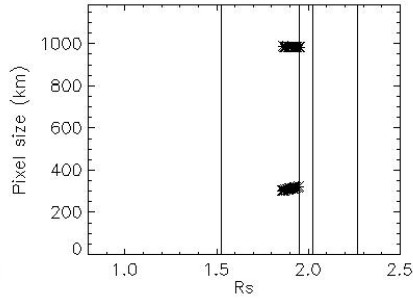
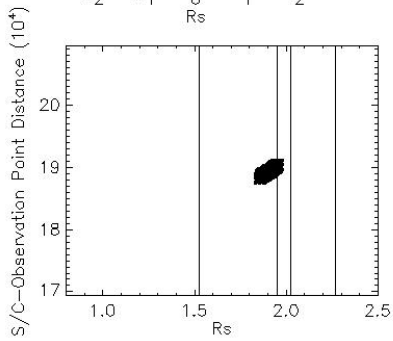


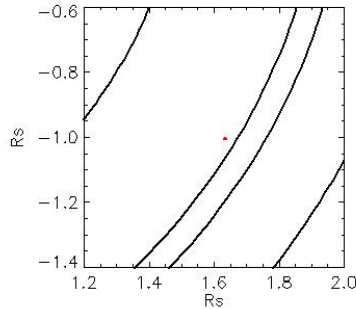
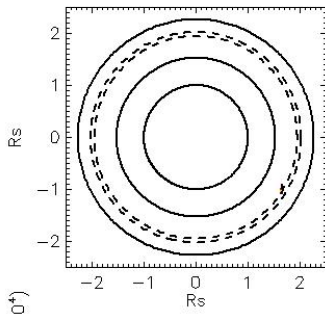
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_50_47

Observation Duration:
80 S

Integration time = 40 S



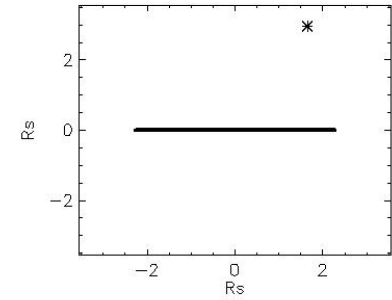
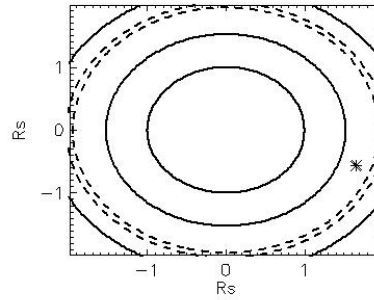
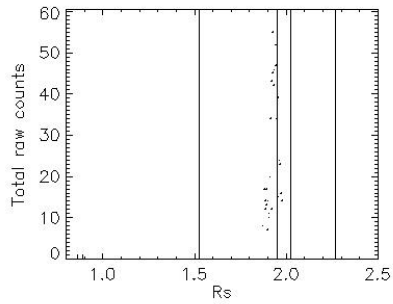
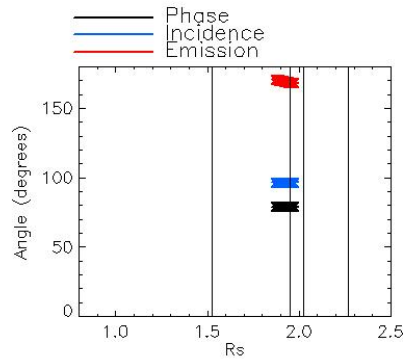
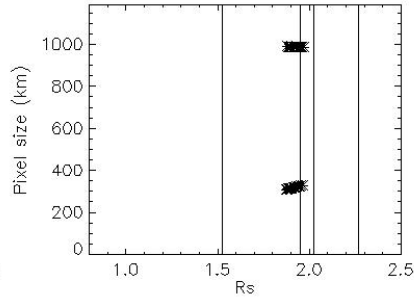
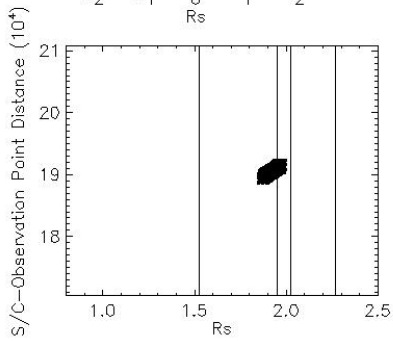


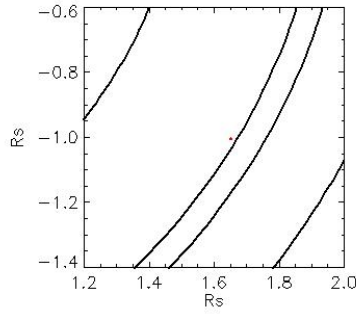
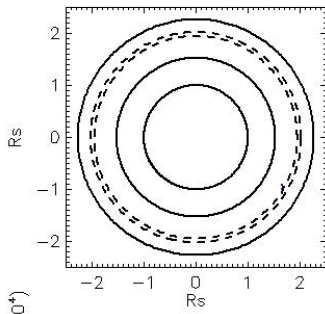
Observation Name:
UMS_071RLDRSSCHP001_ISS_1

Observation Date:
2008_161_04_52_21

Observation Duration:
80 S

Integration time = 40 S



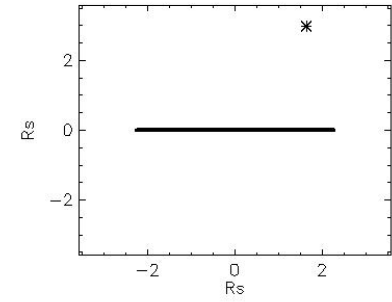
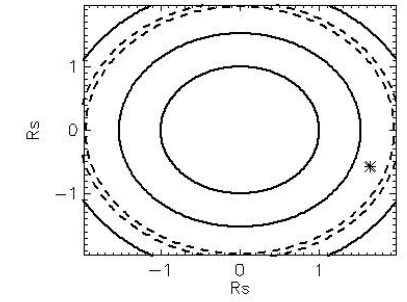
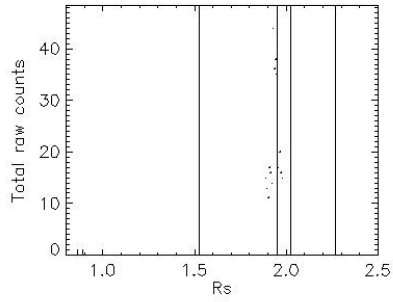
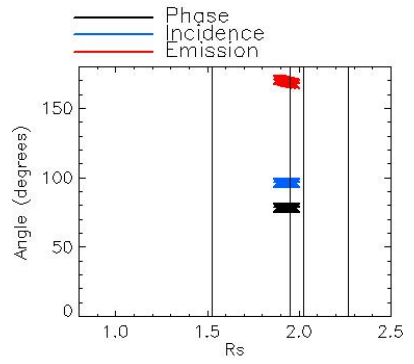
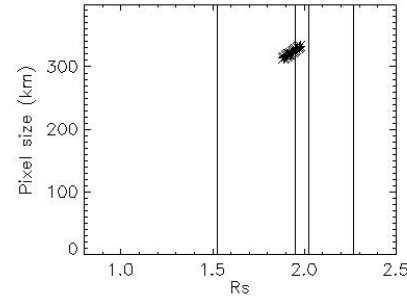
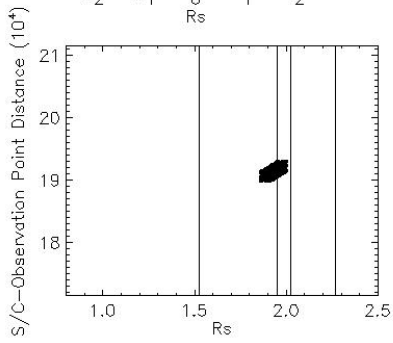


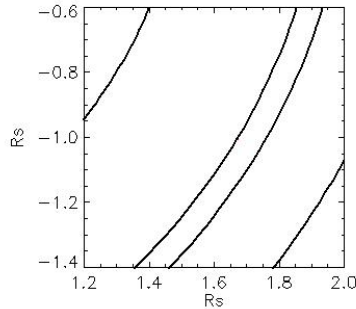
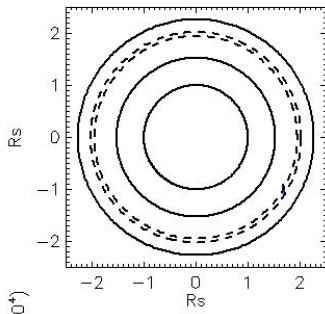
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_04_53_55

Observation Duration:
80 S

Integration time = 40 S



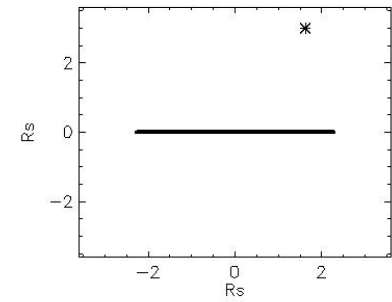
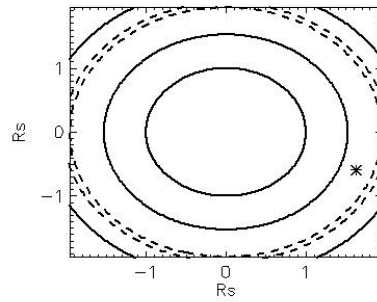
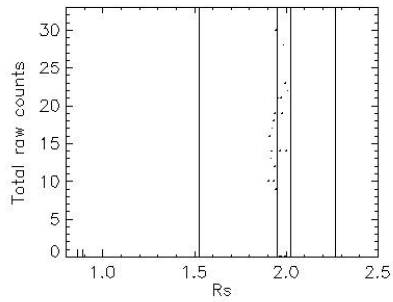
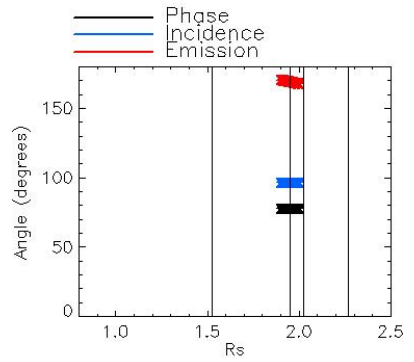
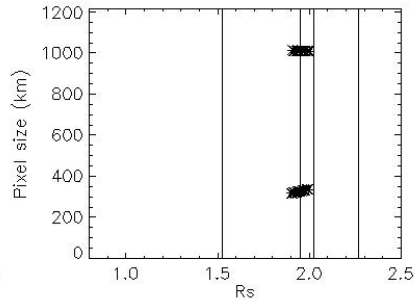
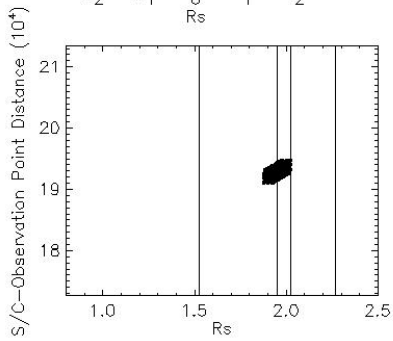


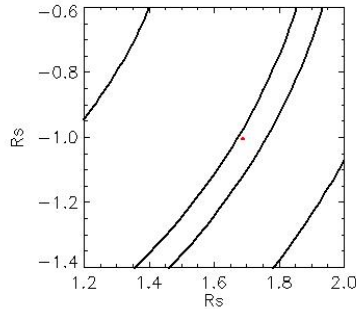
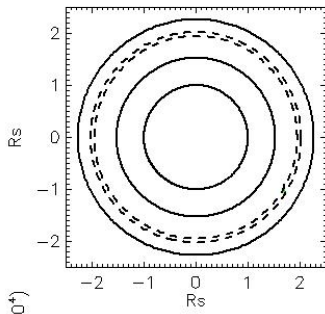
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_04_55_29

Observation Duration:
80 S

Integration time = 40 S



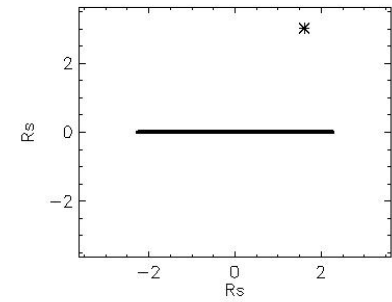
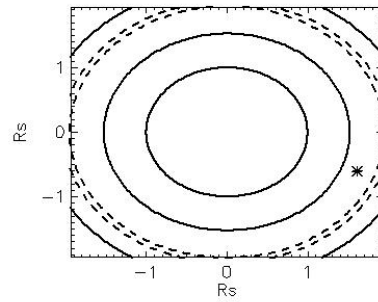
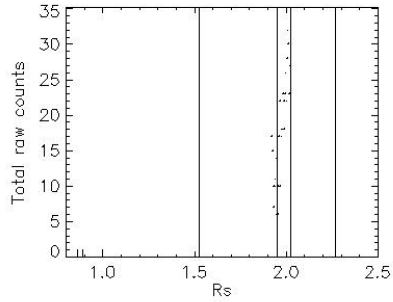
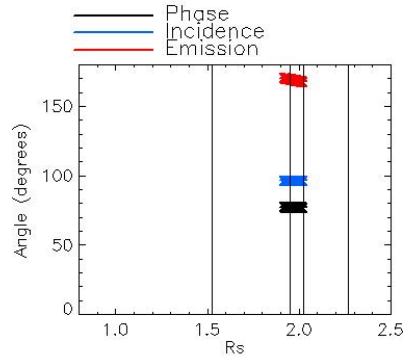
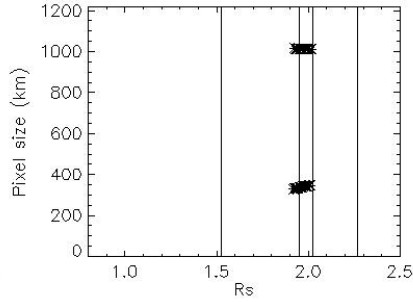
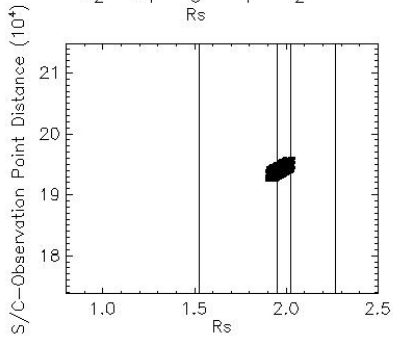


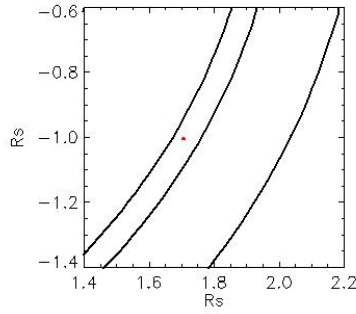
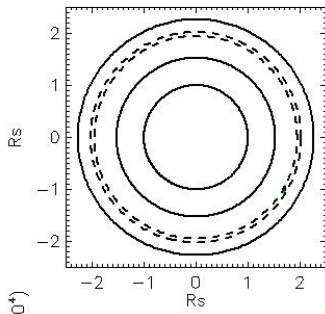
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_57_03

Observation Duration:
80 S

Integration time = 40 S



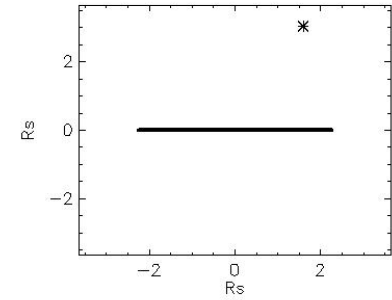
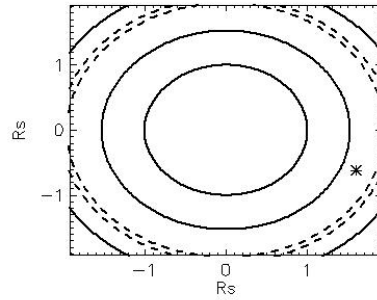
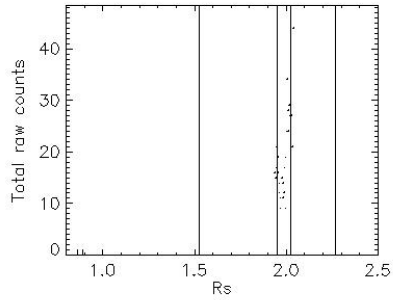
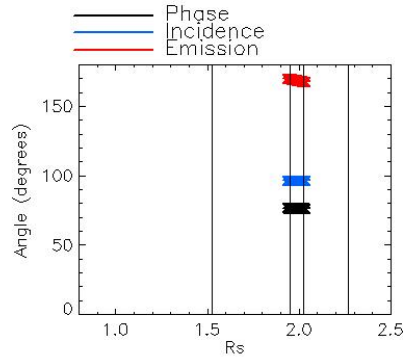
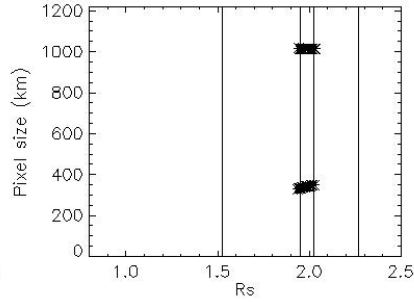
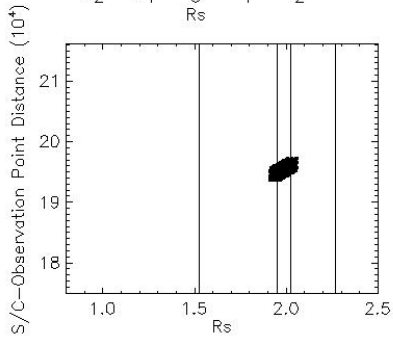


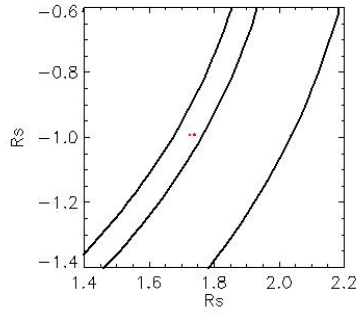
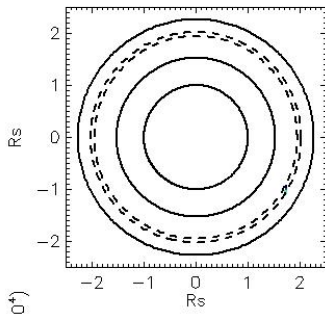
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_04_58_37

Observation Duration:
80 S

Integration time = 40 S



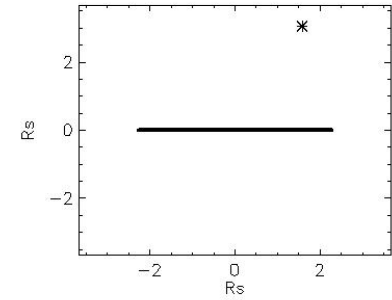
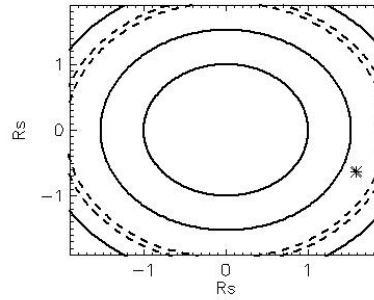
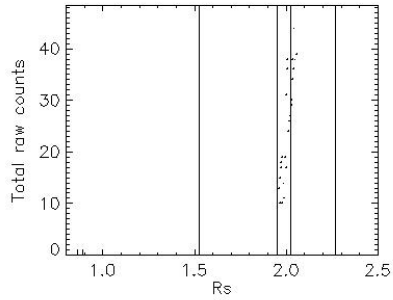
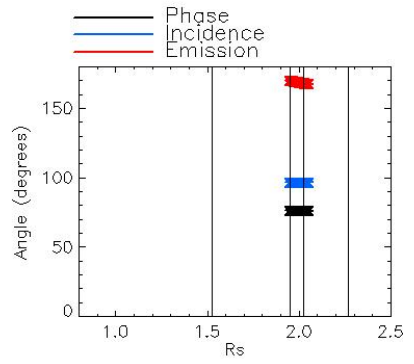
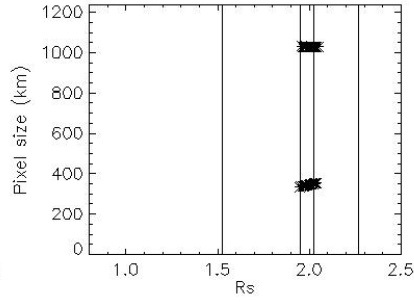
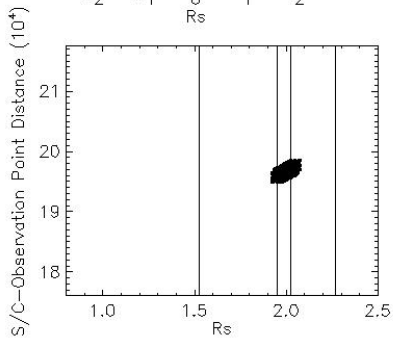


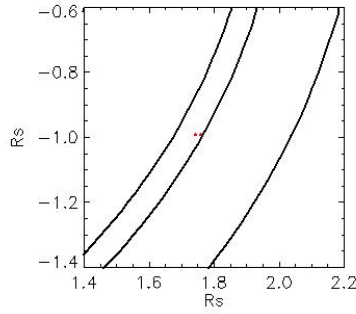
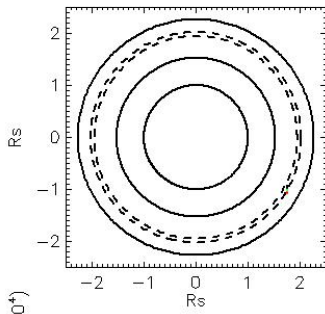
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_05_00_10

Observation Duration:
80 S

Integration time = 40 S



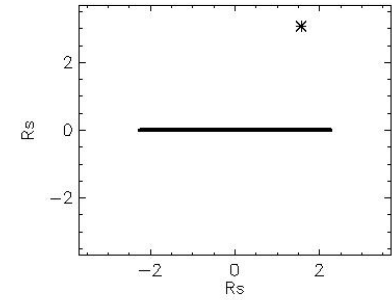
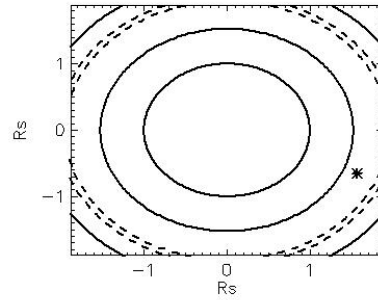
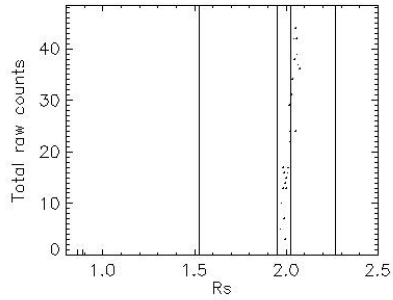
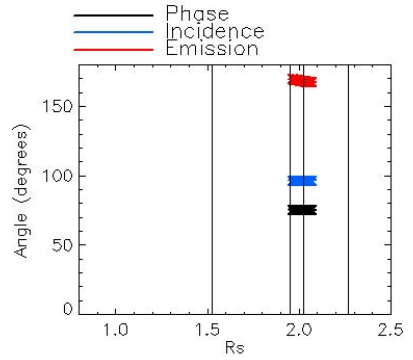
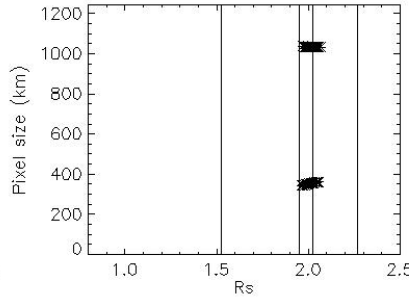
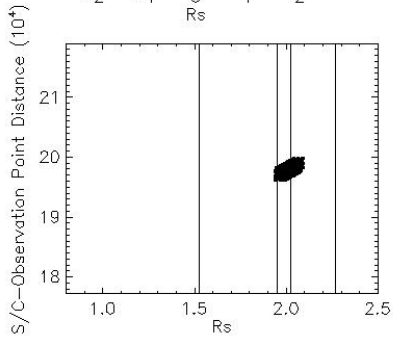


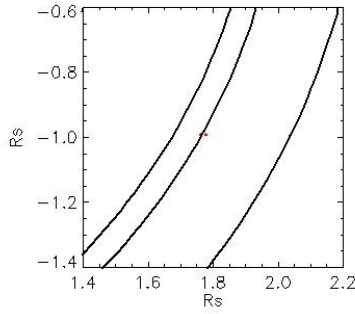
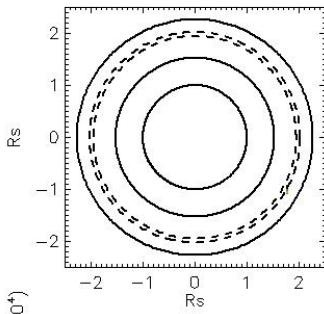
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_05_01_43

Observation Duration:
80 S

Integration time = 40 S



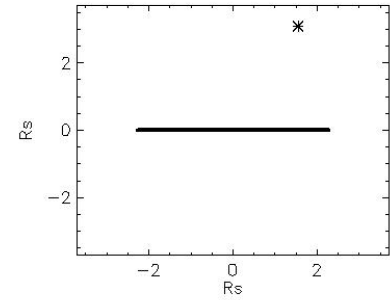
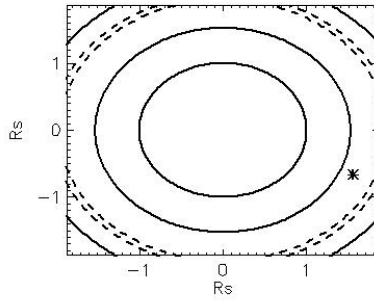
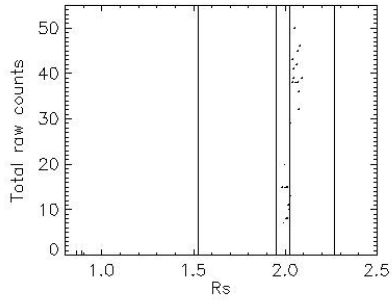
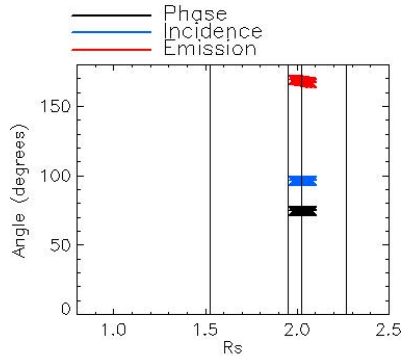
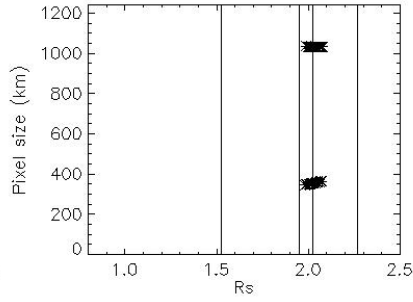
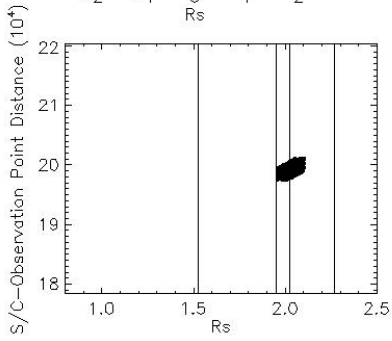


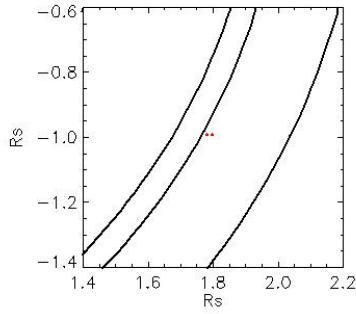
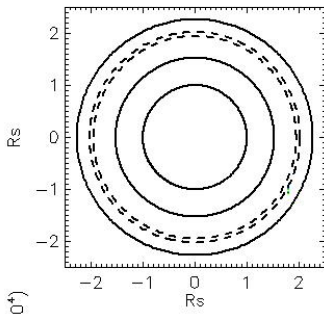
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_03_16

Observation Duration:
80 S

Integration time = 40 S



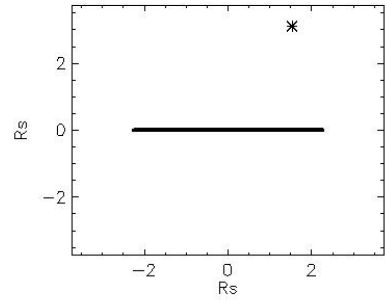
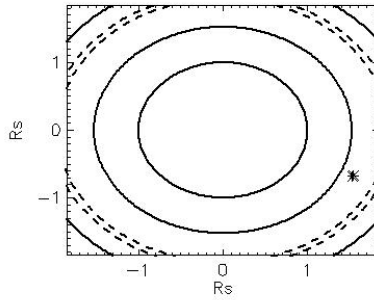
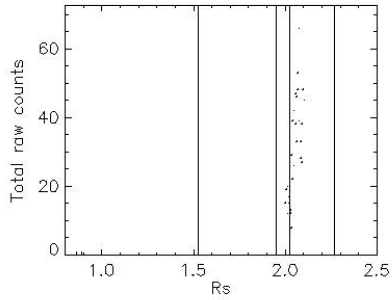
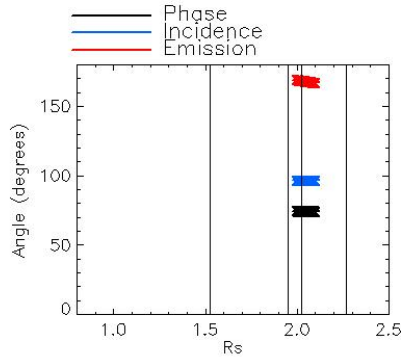
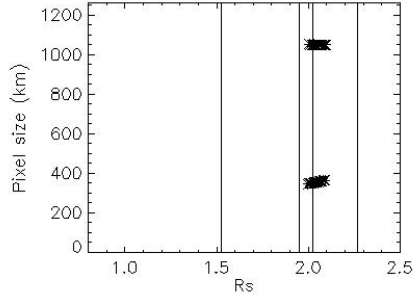
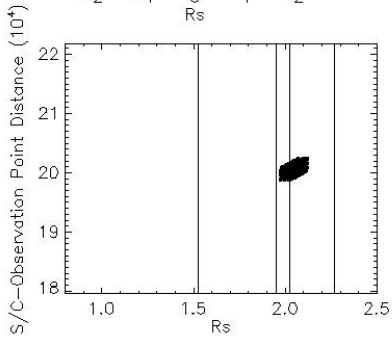


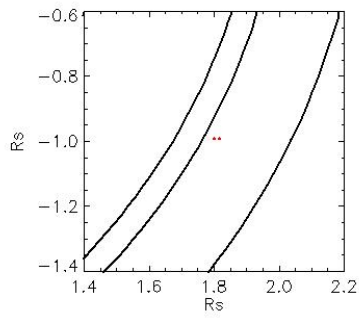
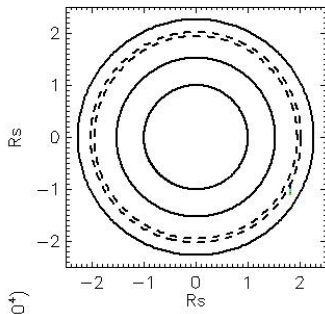
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_05_04_49

Observation Duration:
80 S

Integration time = 40 S



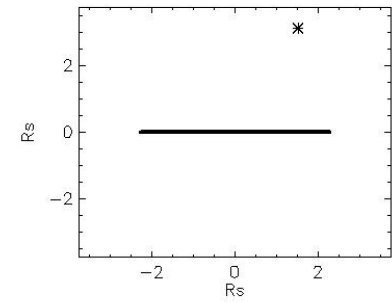
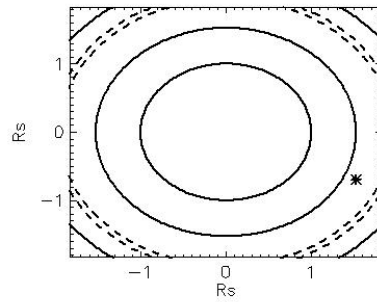
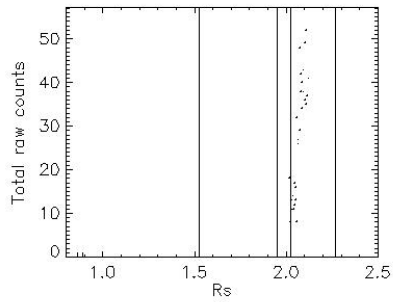
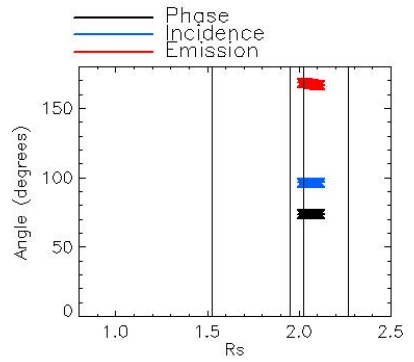
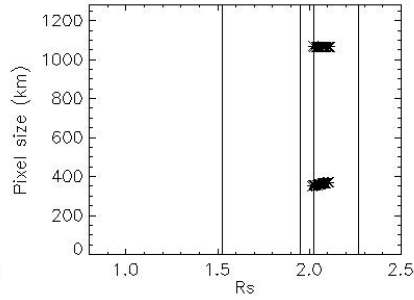
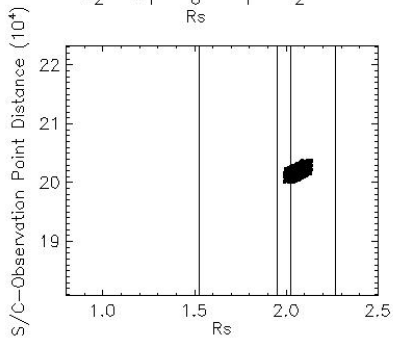


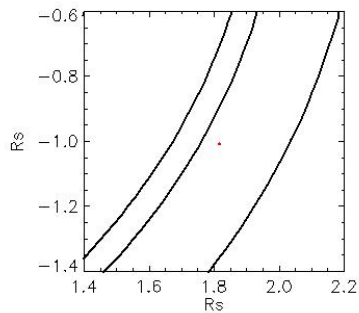
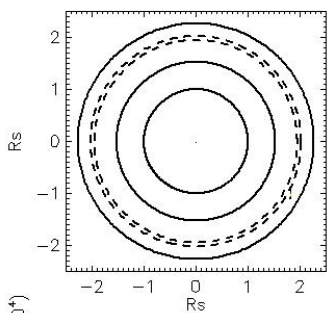
Observation Name:
UMS_071RLDRSSCHP001_ISS_1

Observation Date:
2008_161_05_06_22

Observation Duration:
80 S

Integration time = 40 S



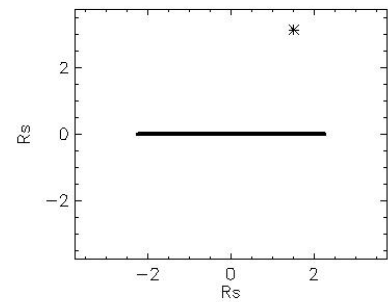
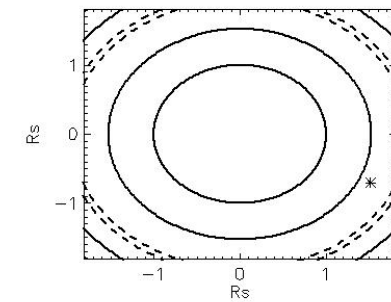
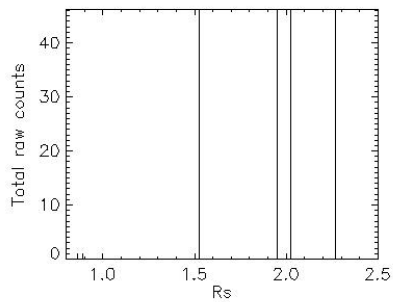
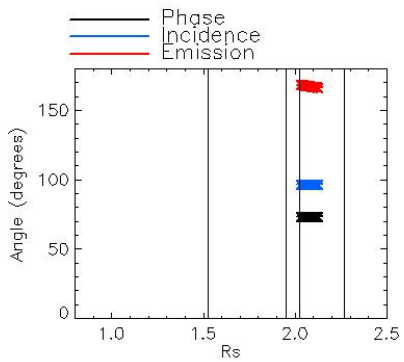
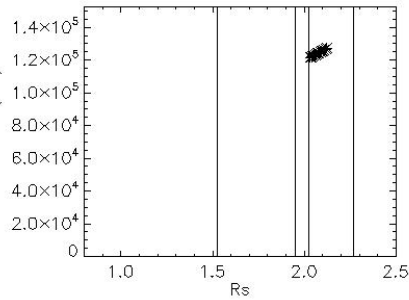
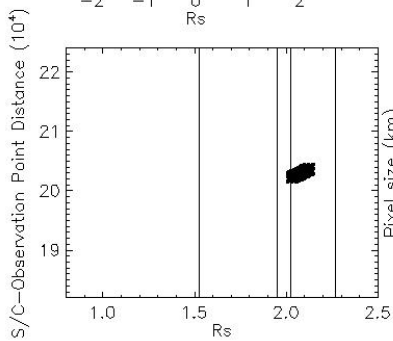


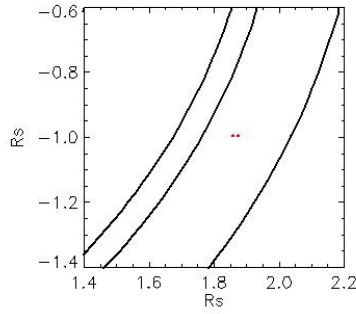
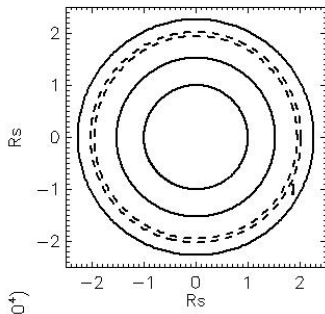
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_07_55

Observation Duration:
40 S

Integration time = 40 S



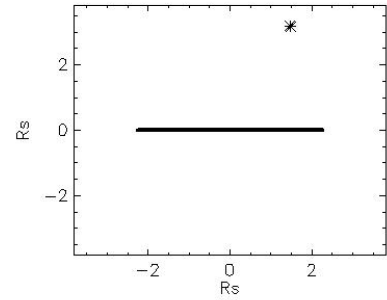
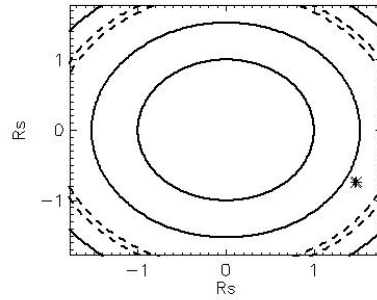
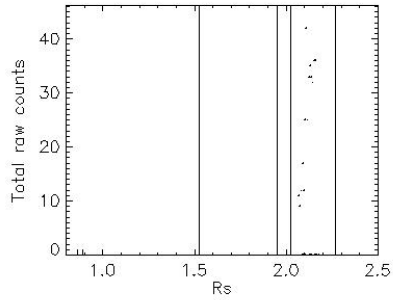
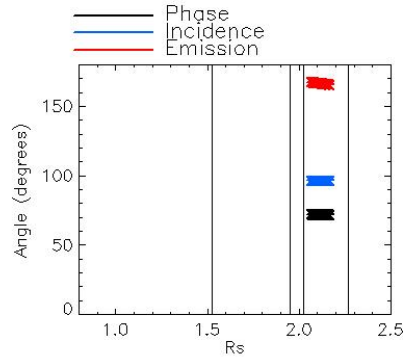
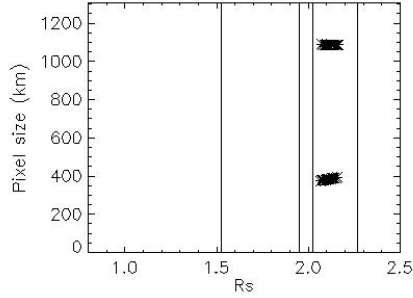
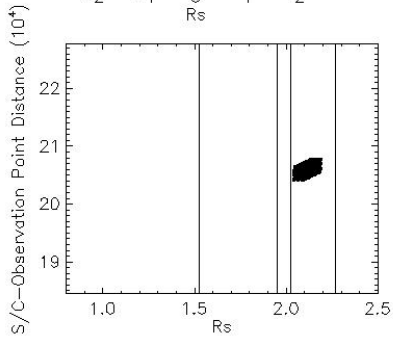


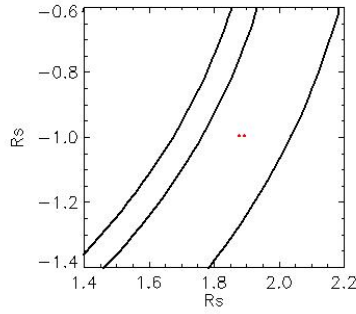
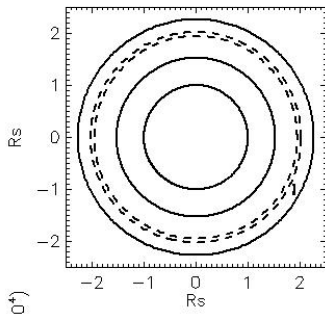
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_05_11_00

Observation Duration:
80 S

Integration time = 40 S



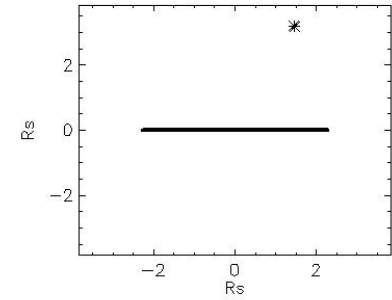
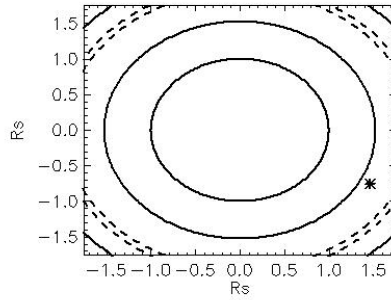
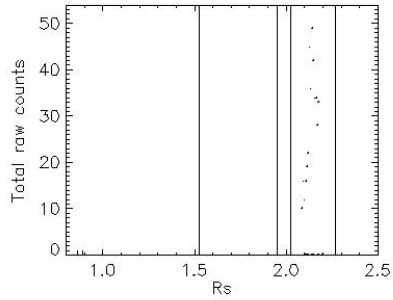
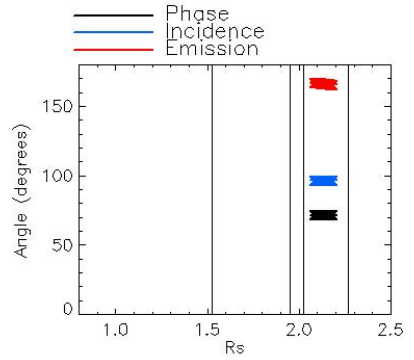
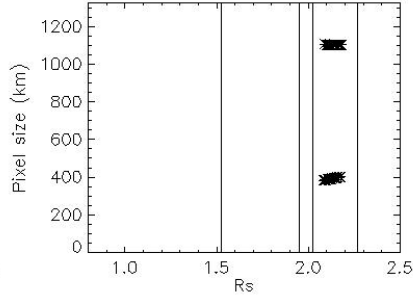
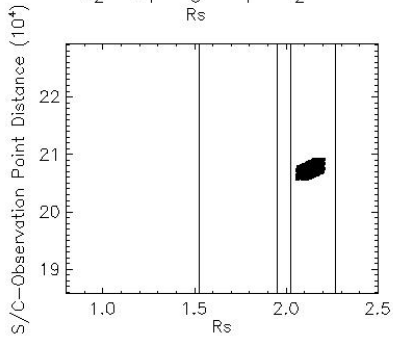


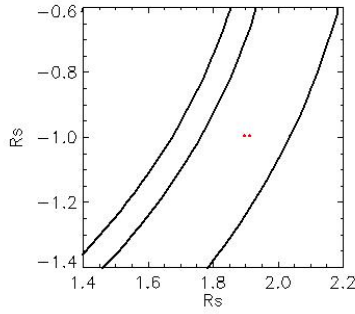
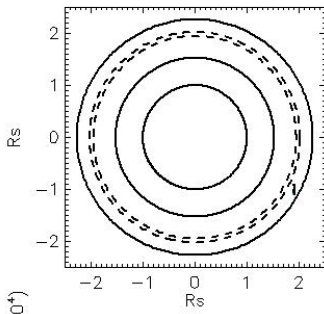
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_12_32

Observation Duration:
80 S

Integration time = 40 S



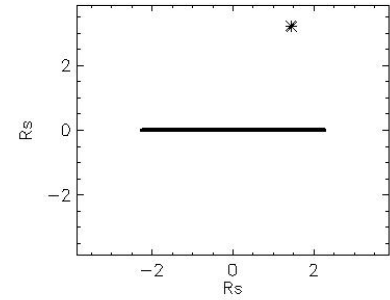
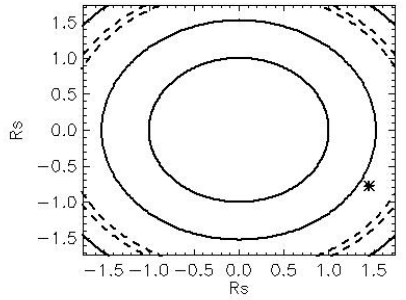
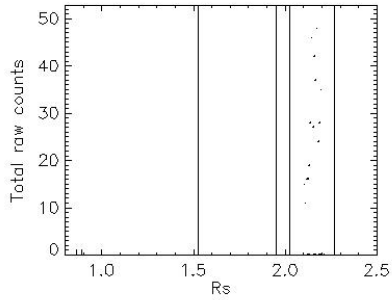
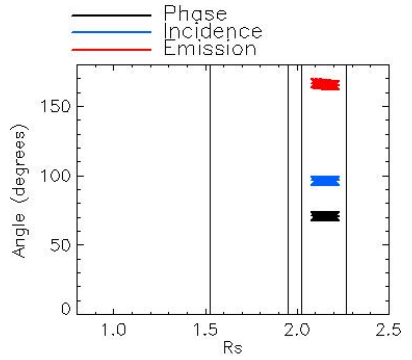
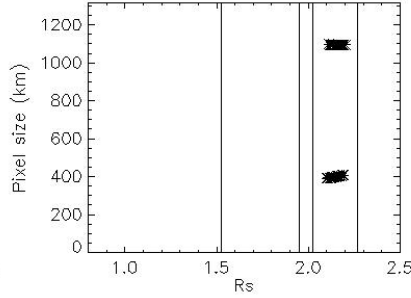
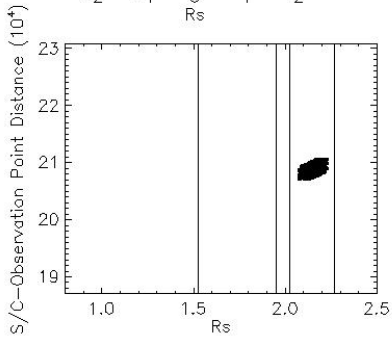


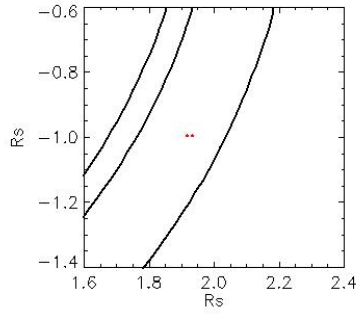
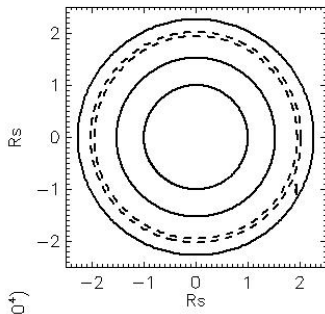
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_14_04

Observation Duration:
80 S

Integration time = 40 S



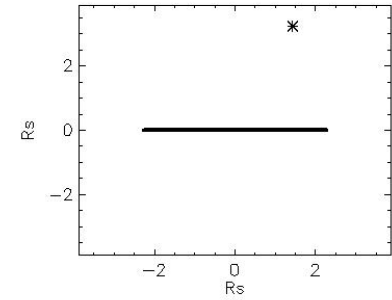
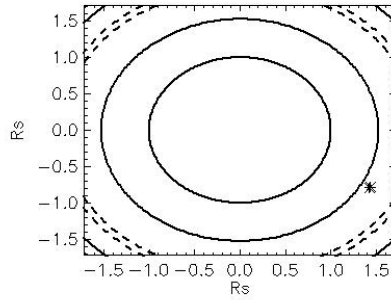
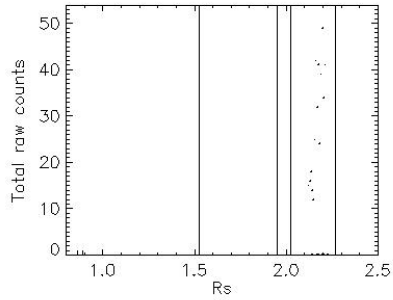
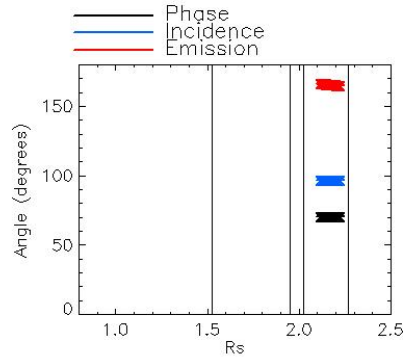
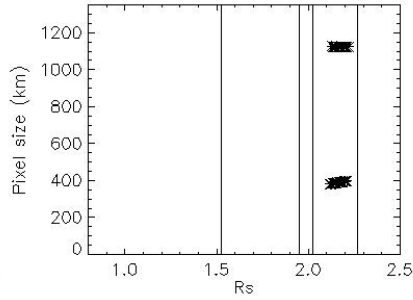
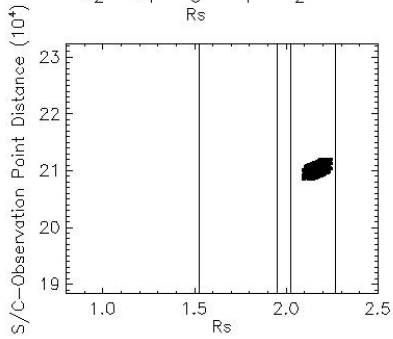


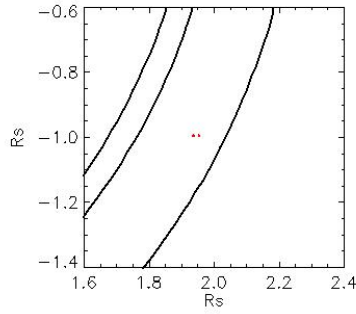
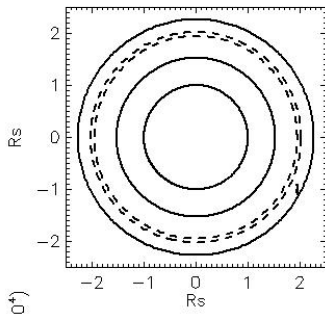
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_05_15_36

Observation Duration:
80 S

Integration time = 40 S



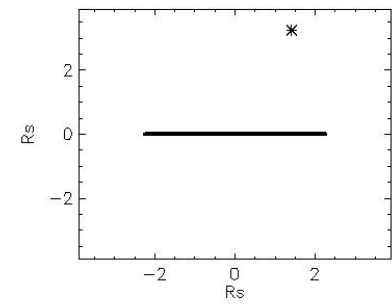
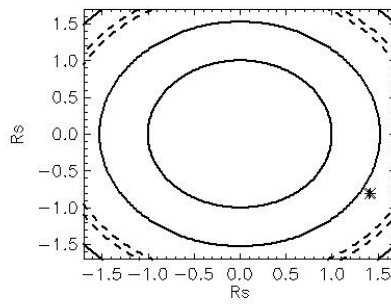
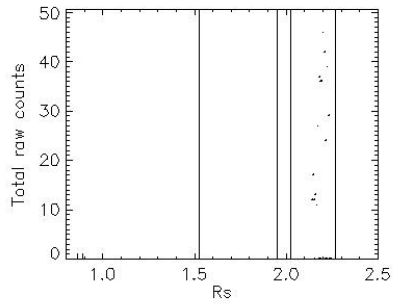
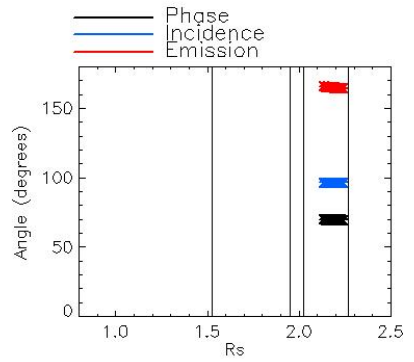
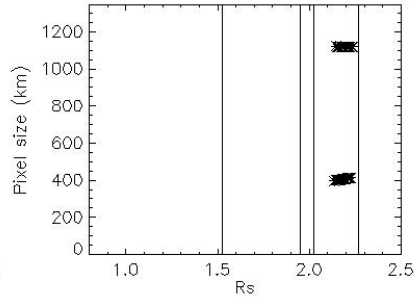
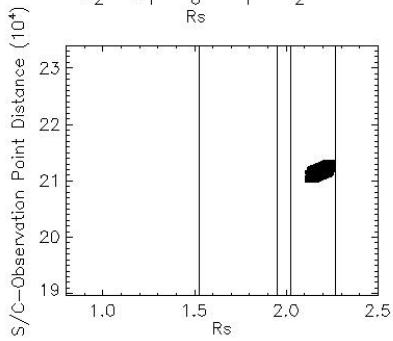


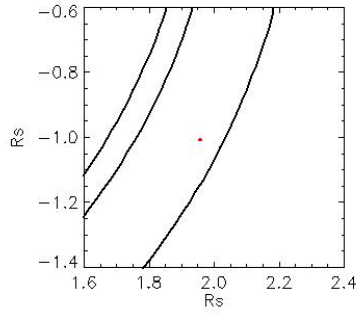
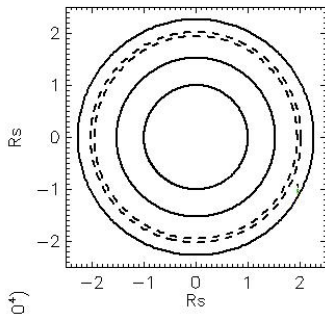
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_05_17_08

Observation Duration:
80 S

Integration time = 40 S



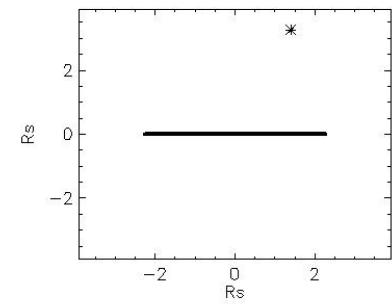
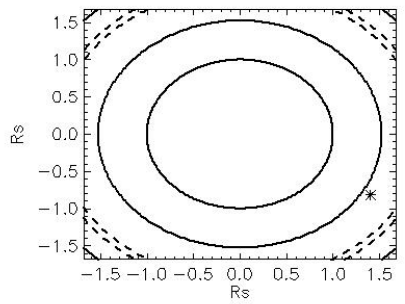
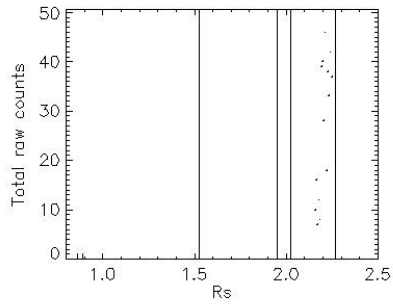
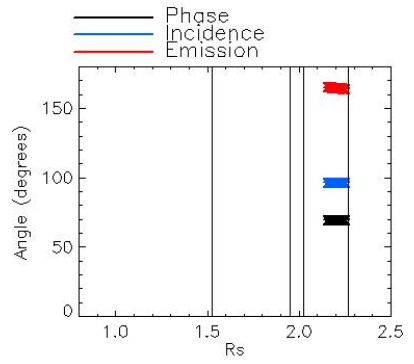
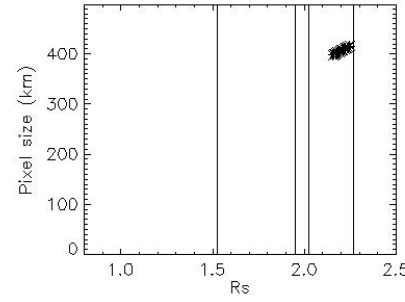
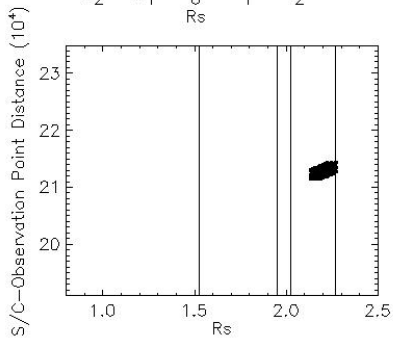


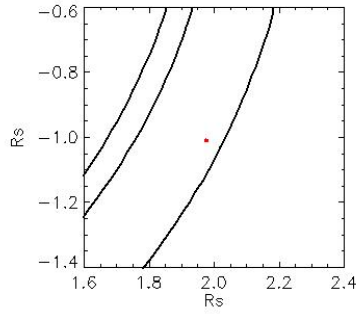
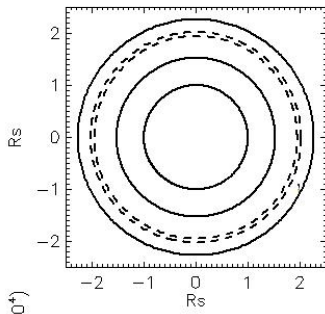
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_18_40

Observation Duration:
40 S

Integration time = 40 S



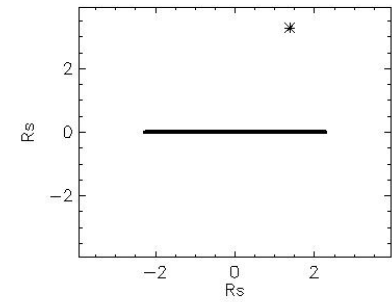
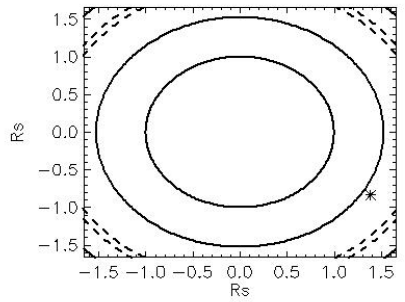
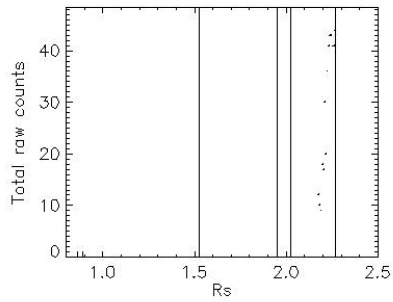
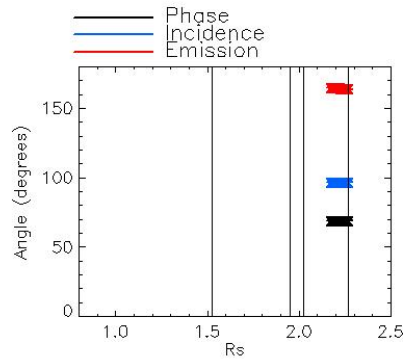
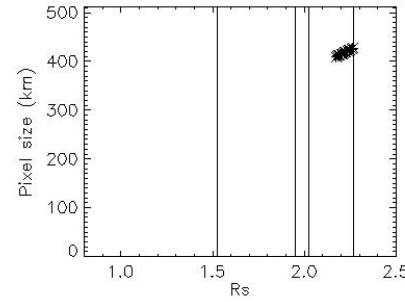
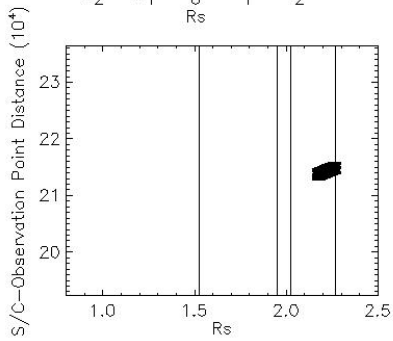


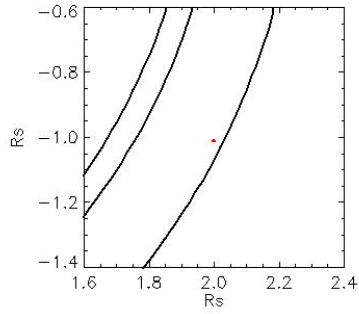
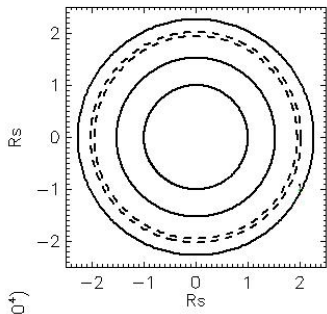
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_20_11

Observation Duration:
40 S

Integration time = 40 S



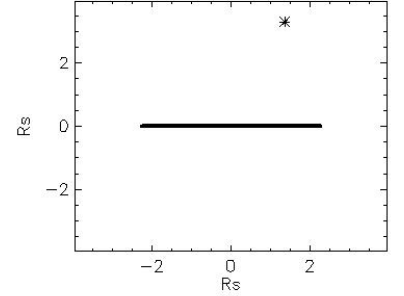
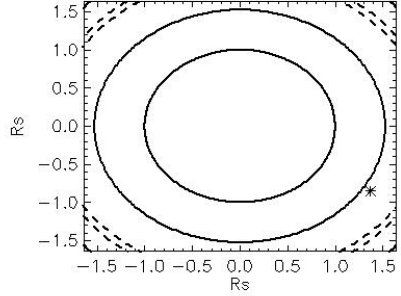
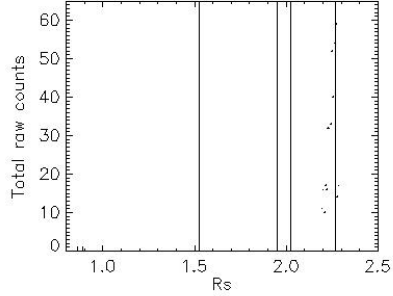
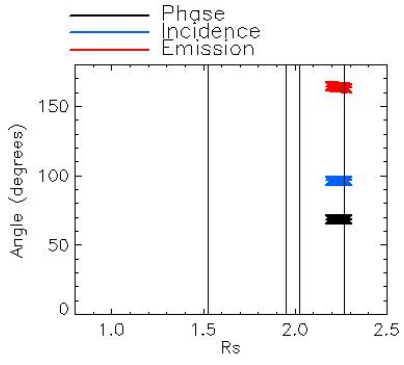
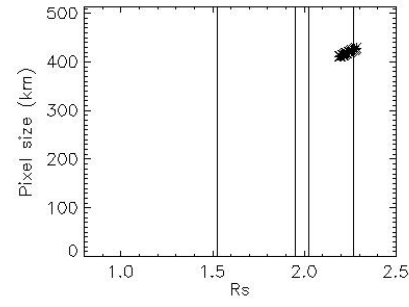
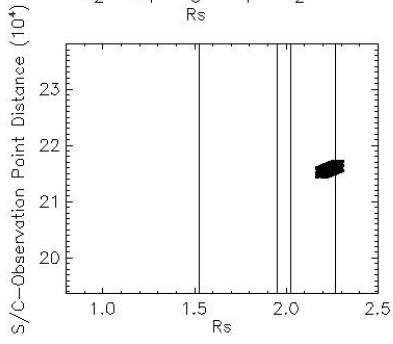


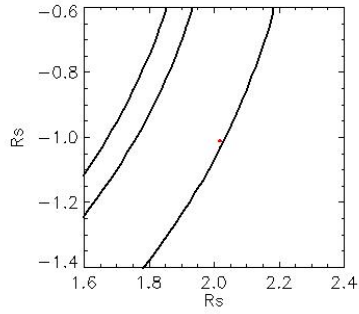
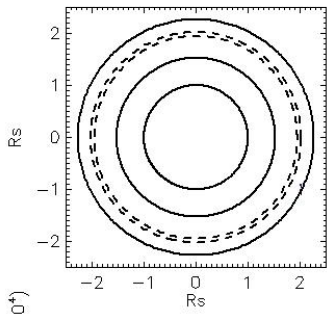
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_05_21_42

Observation Duration:
40 S

Integration time = 40 S



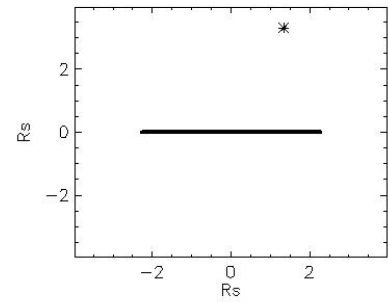
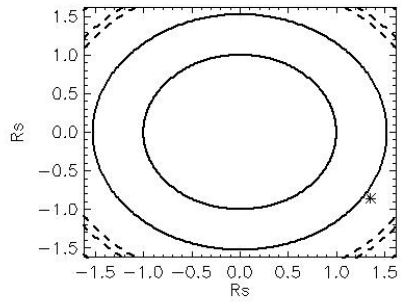
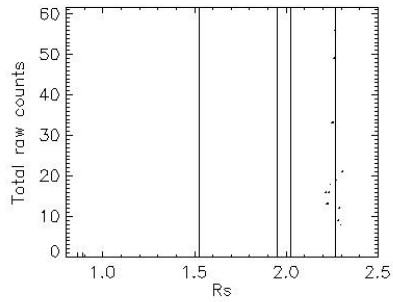
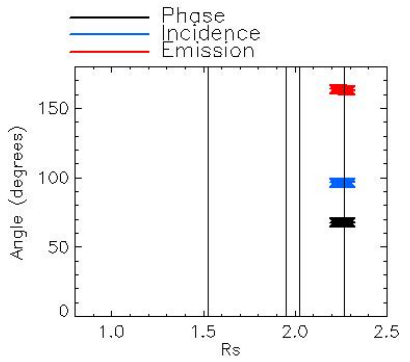
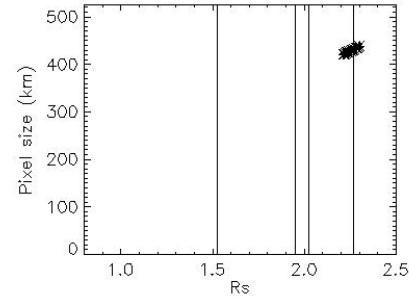
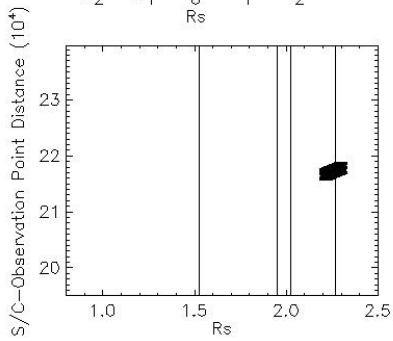


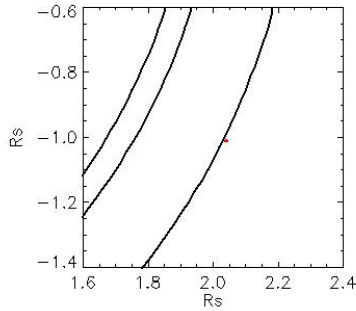
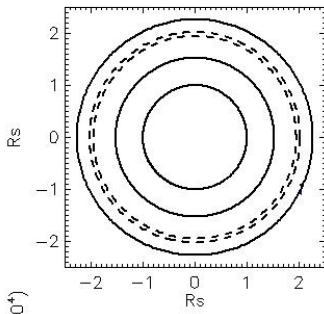
Observation Name:
UMS_071RLRDHRSSCHP001_ISS_1

Observation Date:
2008_161_05_23_13

Observation Duration:
40 S

Integration time = 40 S



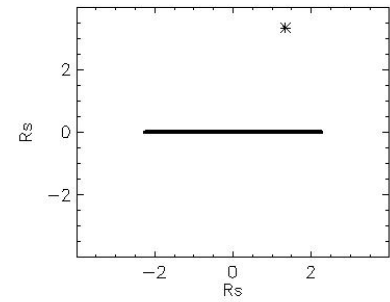
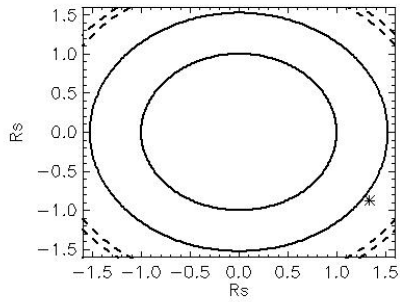
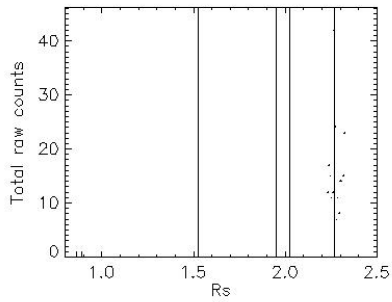
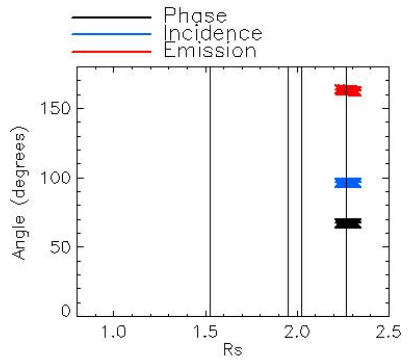
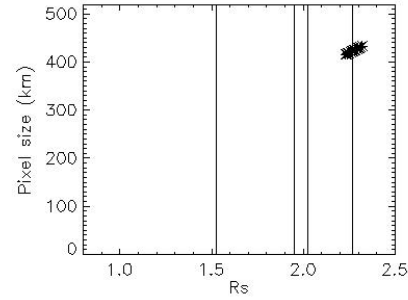
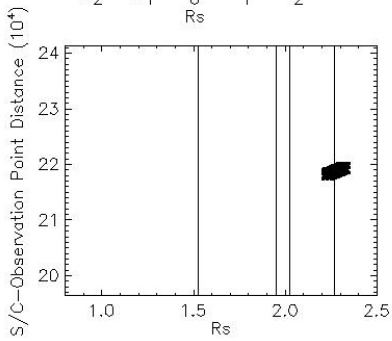


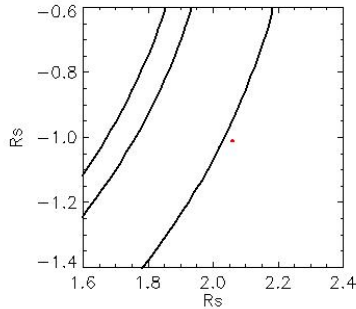
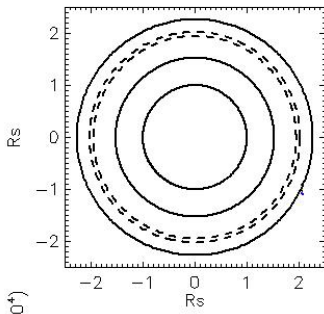
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_05_24_44

Observation Duration:
40 S

Integration time = 40 S



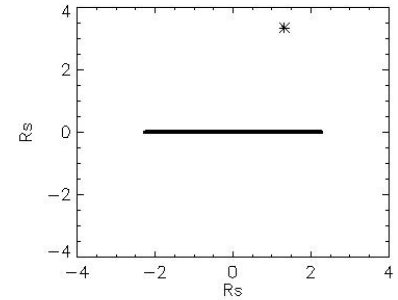
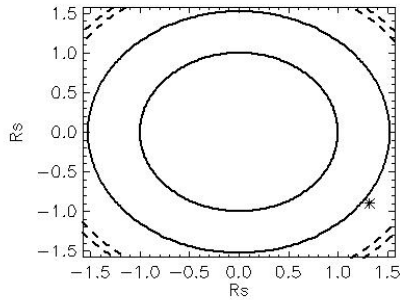
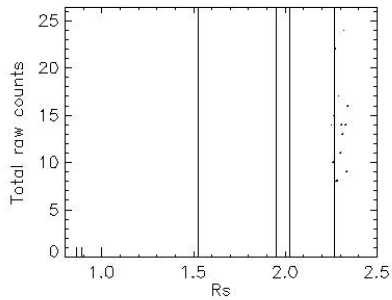
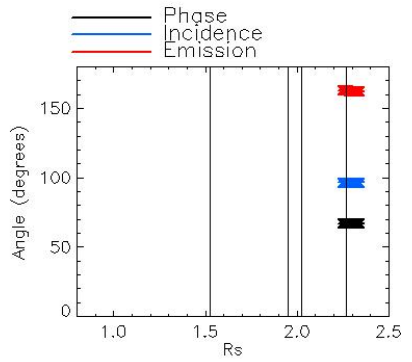
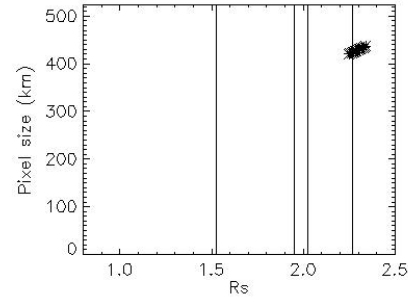
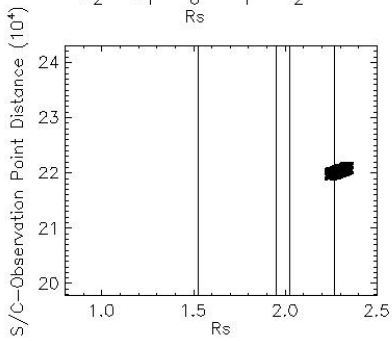


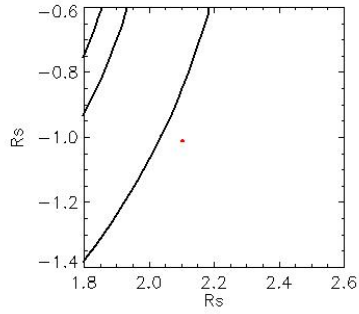
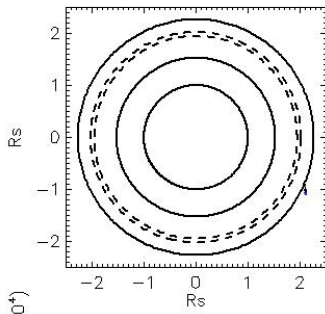
Observation Name:
UMS_071RLRDRSSCHP001_ISS_1

Observation Date:
2008_161_05_26_15

Observation Duration:
40 S

Integration time = 40 S



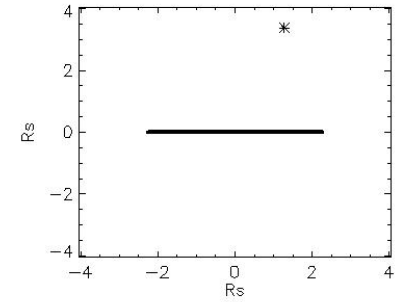
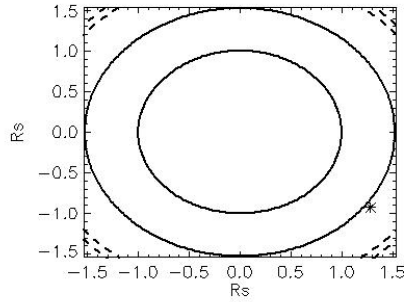
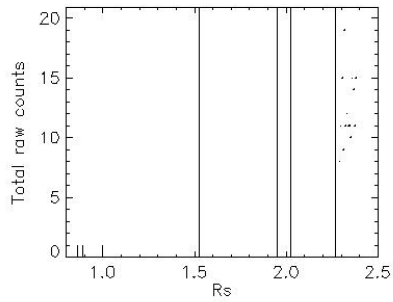
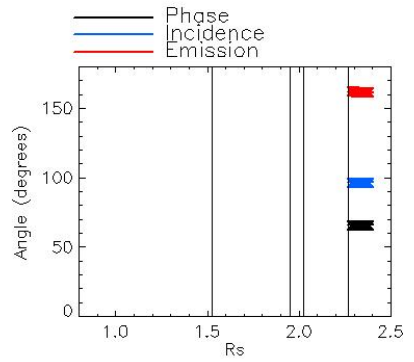
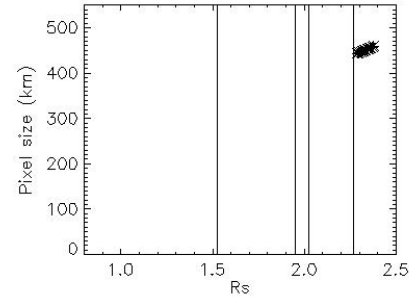
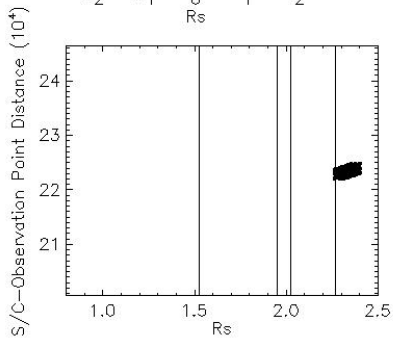


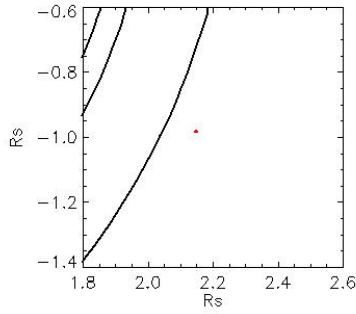
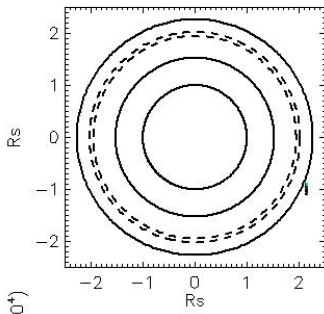
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_05_29_16

Observation Duration:
40 S

Integration time = 40 S



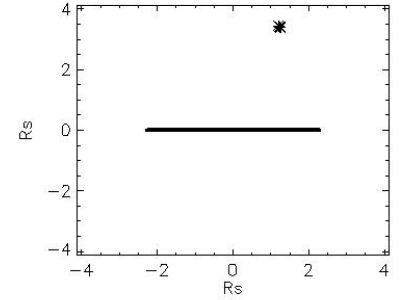
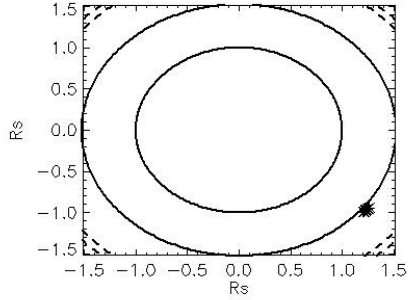
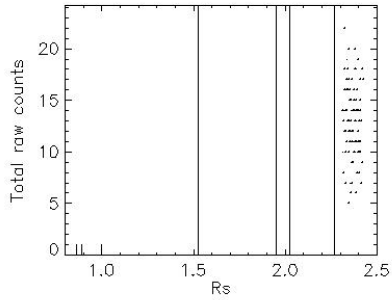
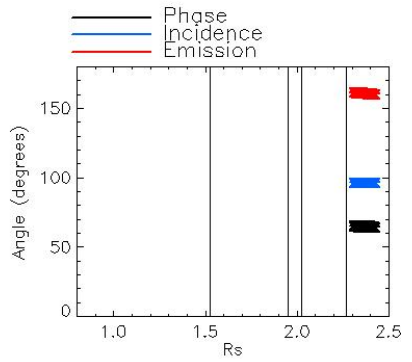
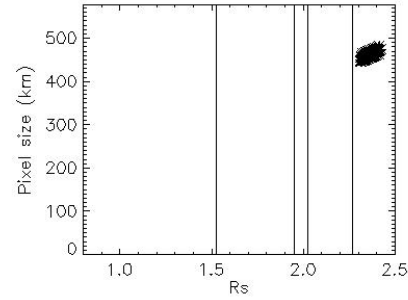
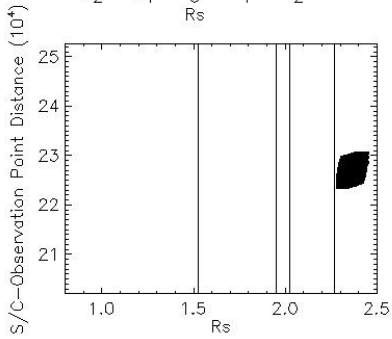


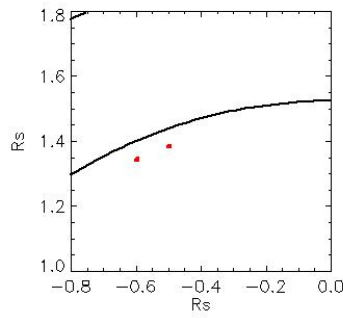
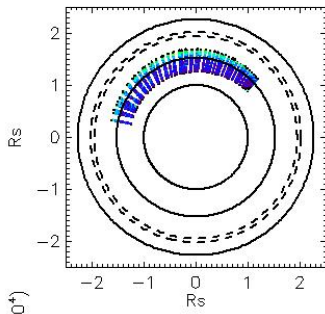
Observation Name:
UMS_071RLRDHRSSHP001_ISS_1

Observation Date:
2008_161_05_30_46

Observation Duration:
320 S

Integration time = 40 S



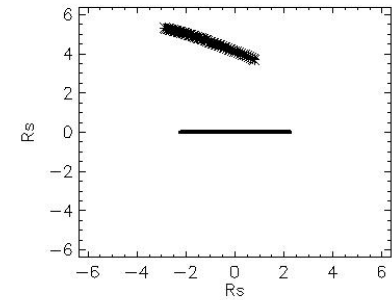
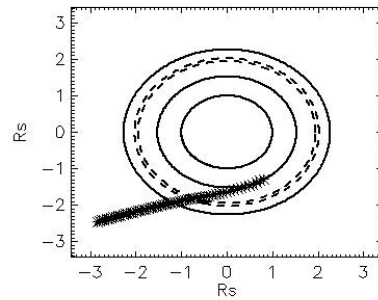
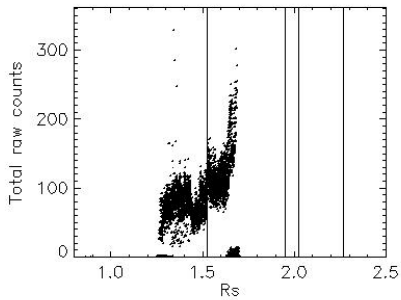
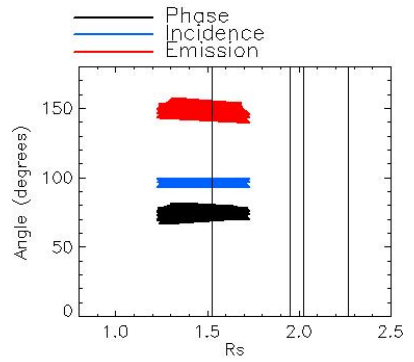
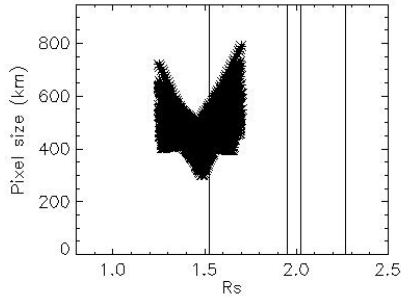
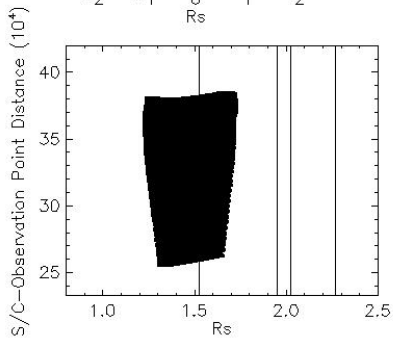


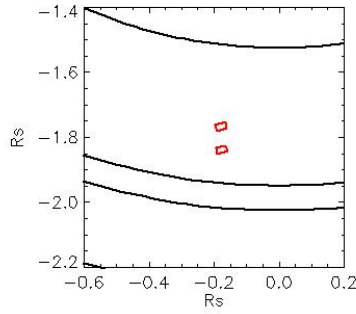
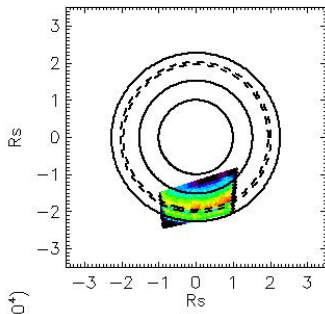
Observation Name:
UMS_071RLPAZSCN001_ISS

Observation Date:
2008_161_06_06_20

Observation Duration:
17700 S

Integration time = 300 S



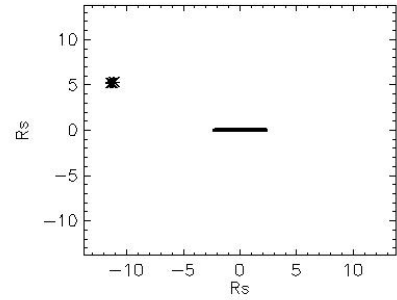
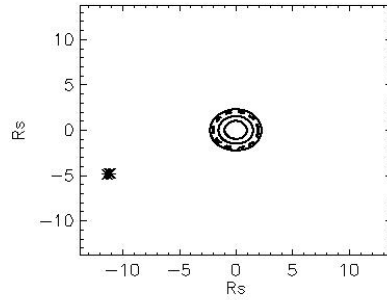
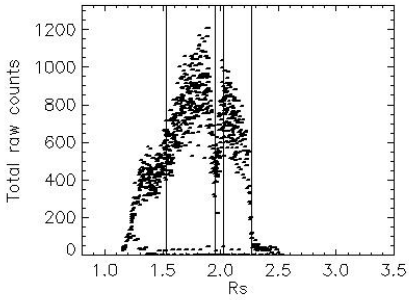
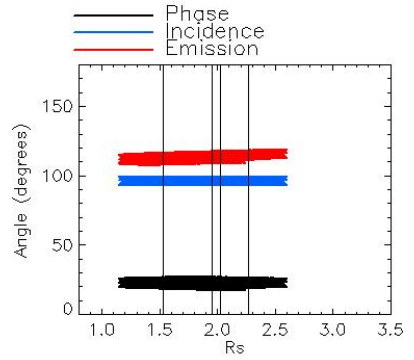
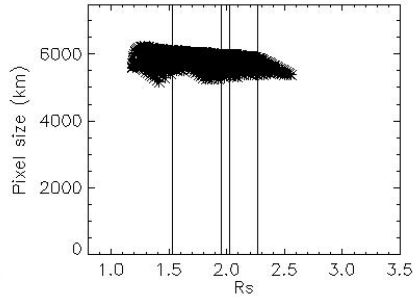
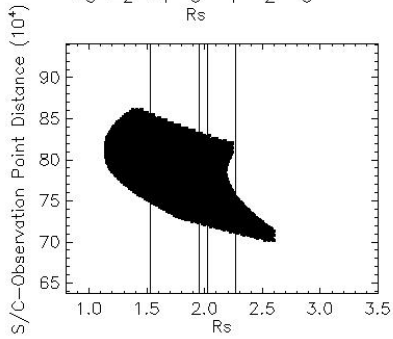


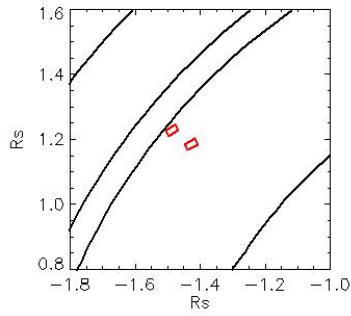
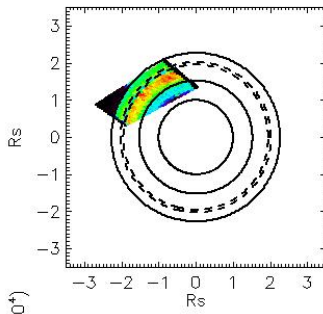
Observation Name:
UMS_071RLTEMPL20LP001_CIRS

Observation Date:
2008_162_04_13_51

Observation Duration:
4200 S

Integration time = 300 S



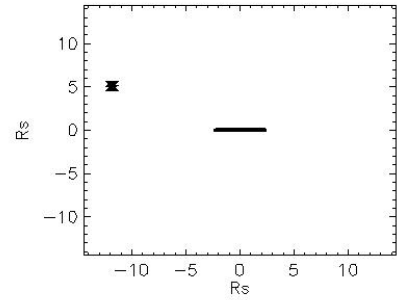
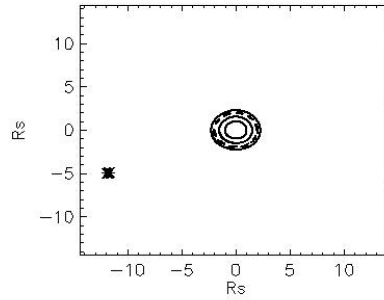
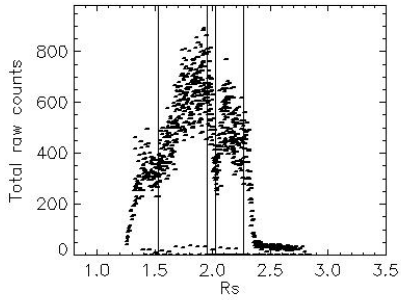
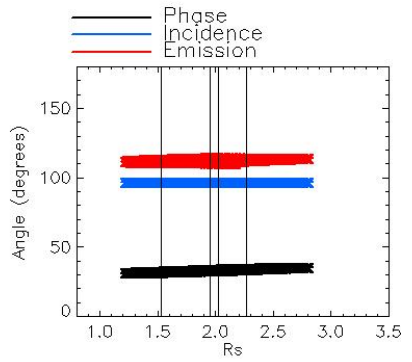
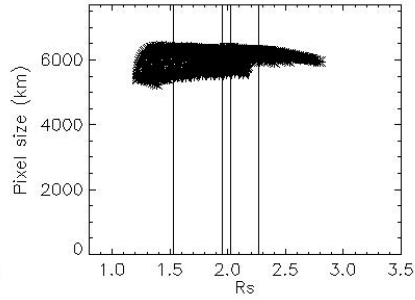
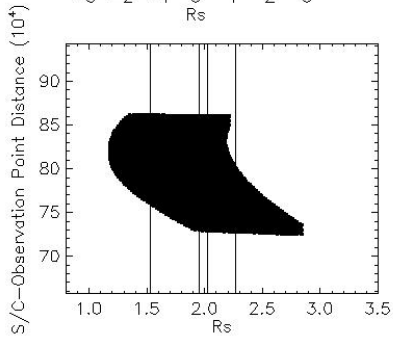


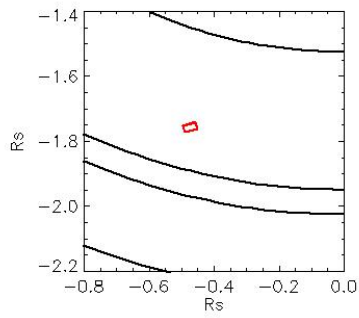
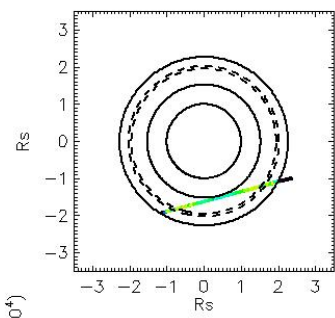
Observation Name:
UMS_071RLTEMPL20LP001_CIRS

Observation Date:
2008_162_05_46_51

Observation Duration:
4200 S

Integration time = 300 S



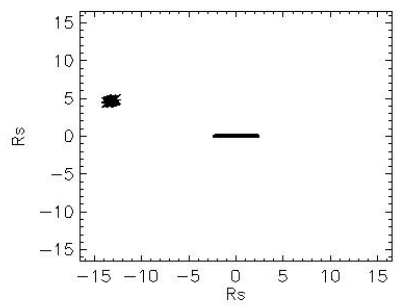
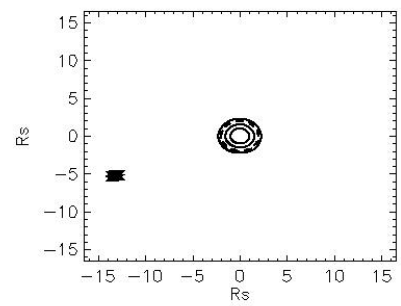
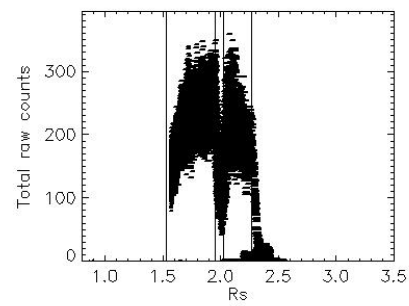
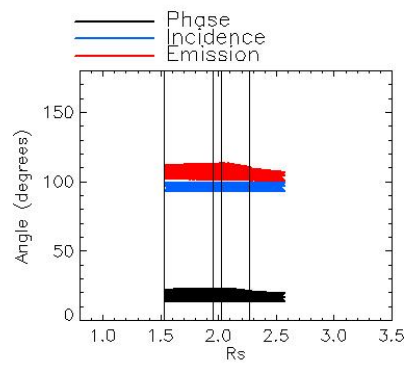
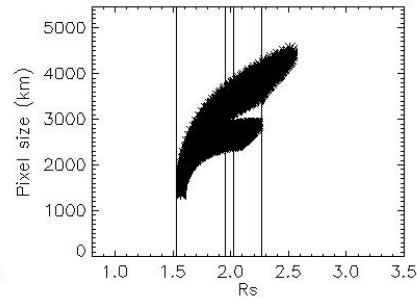
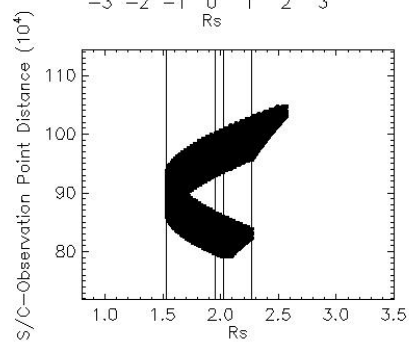


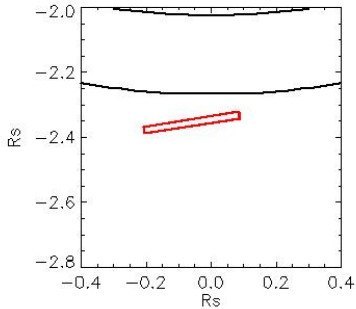
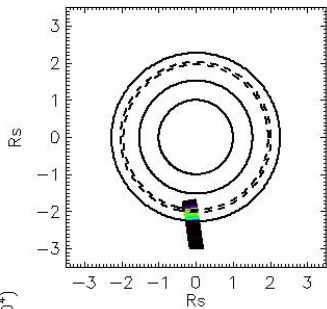
Observation Name:
UMS_071RLSPOKEMOV001_JSS

Observation Date:
2008_162_09_05_51

Observation Duration:
12000 S

Integration time = 60 S



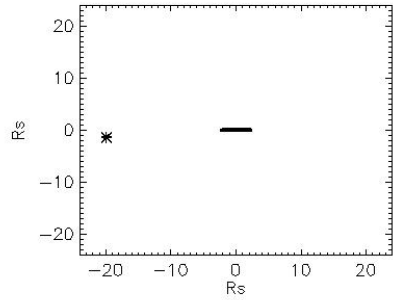
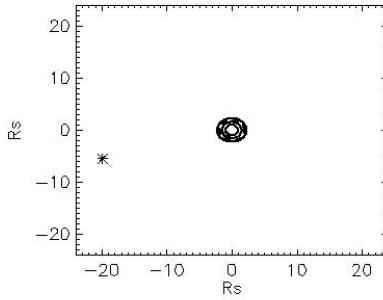
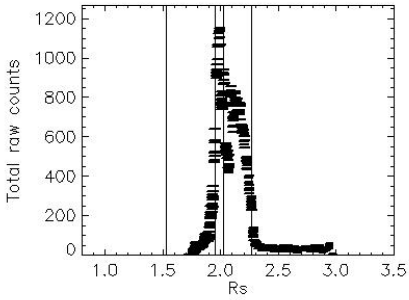
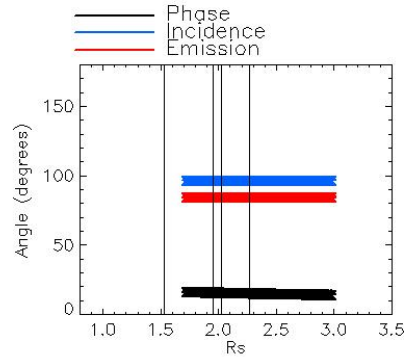
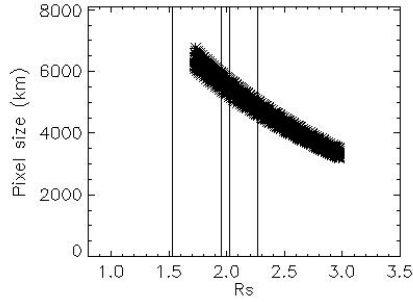
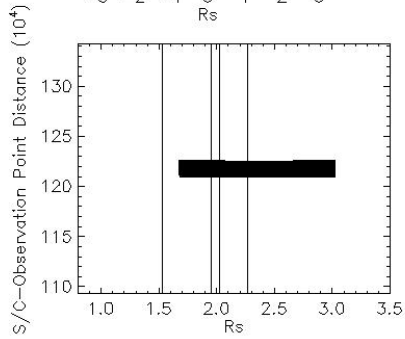


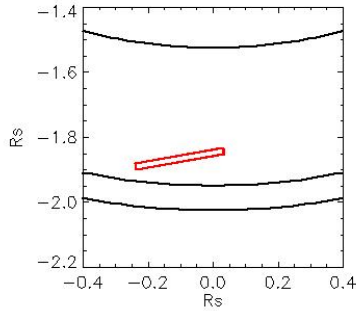
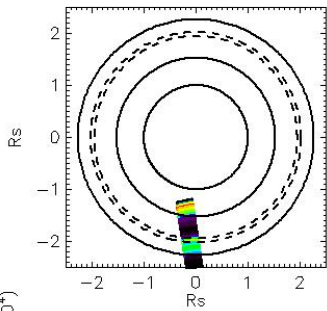
Observation Name:
UMS_071RLLATPHASE001_VIMS

Observation Date:
2008_164_04_04_21

Observation Duration:
3900 S

Integration time = 300 S



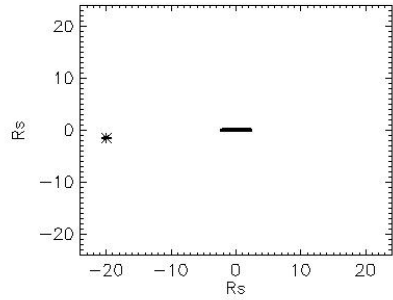
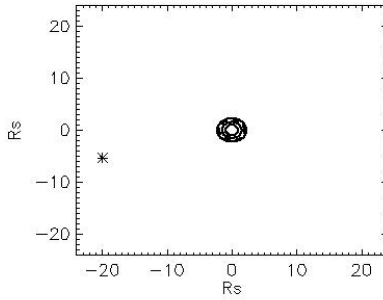
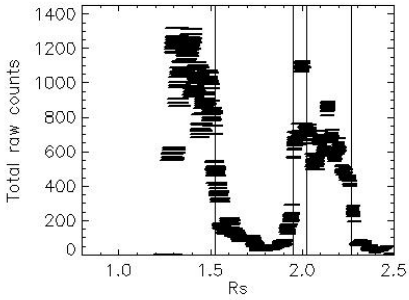
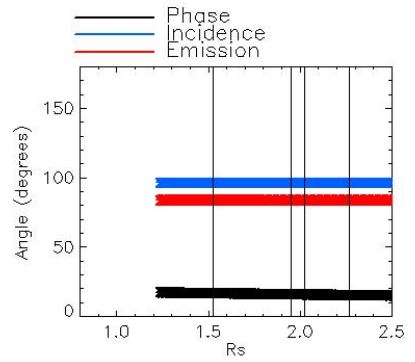
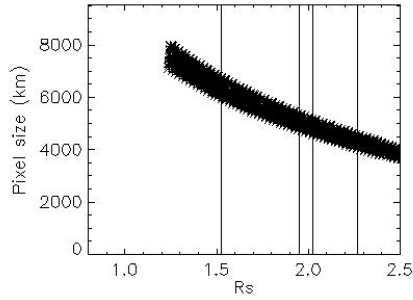
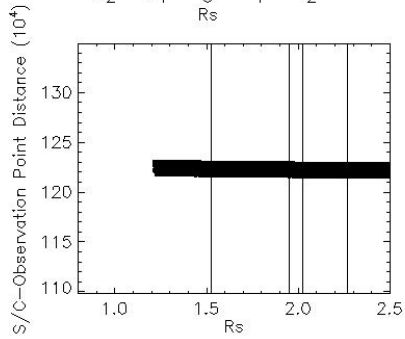


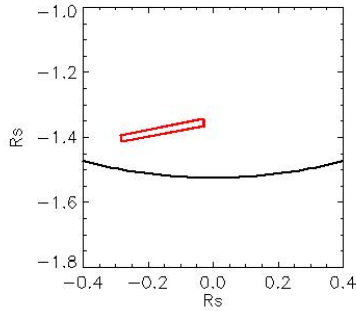
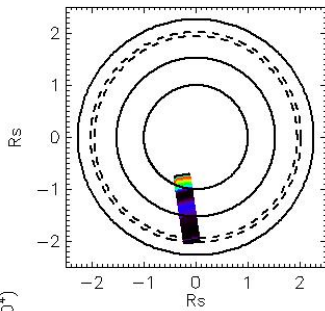
Observation Name:
UMS_071RLLATPHASE001_VIMS

Observation Date:
2008_164_05_12_25

Observation Duration:
3900 S

Integration time = 300 S



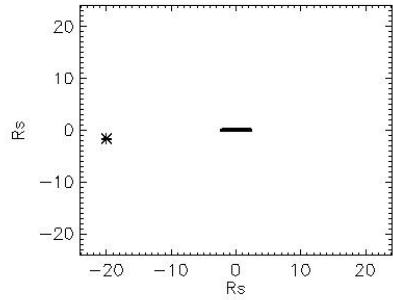
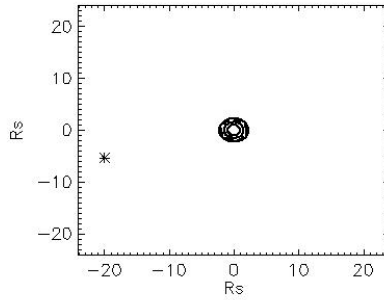
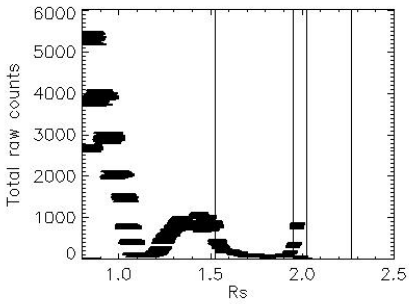
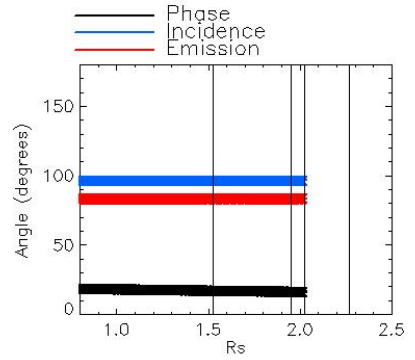
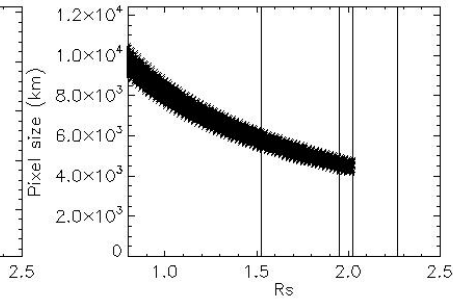
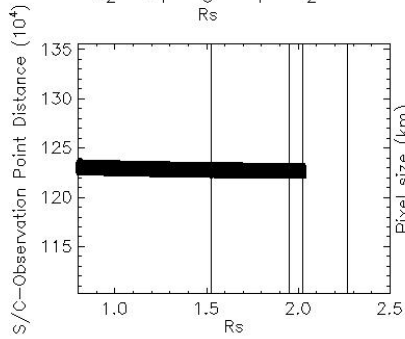


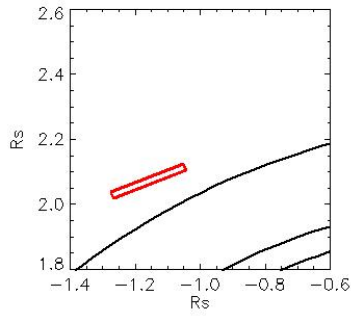
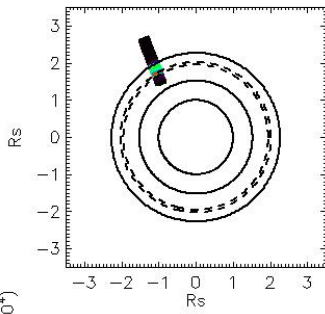
Observation Name:
UMS_071RLLATPHASE001_VIMS

Observation Date:
2008_164_06_20_28

Observation Duration:
3900 S

Integration time = 300 S



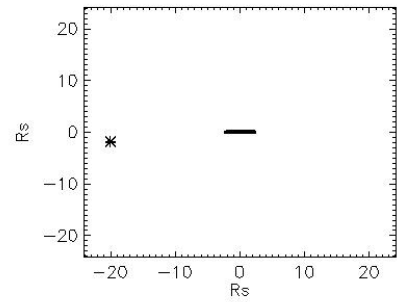
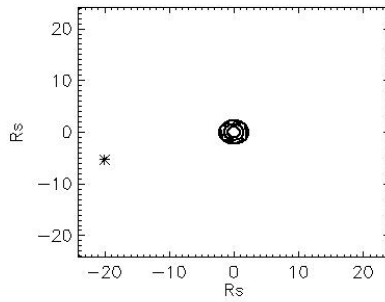
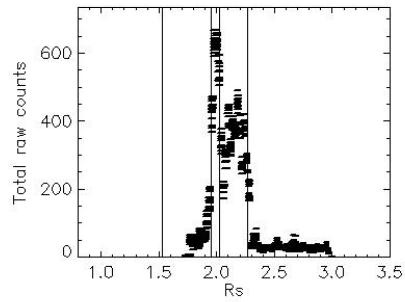
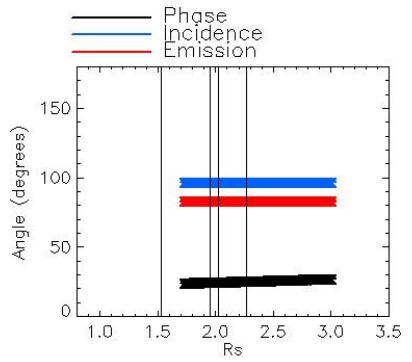
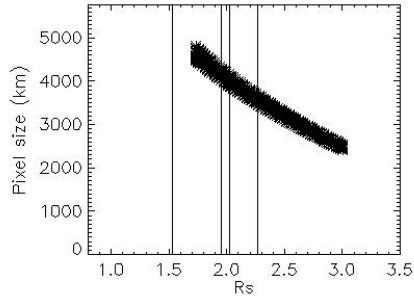
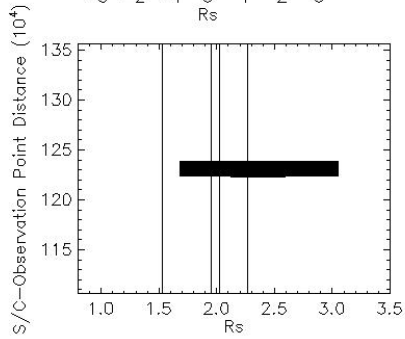


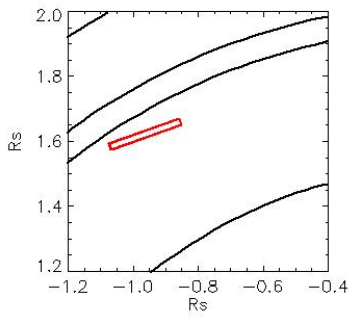
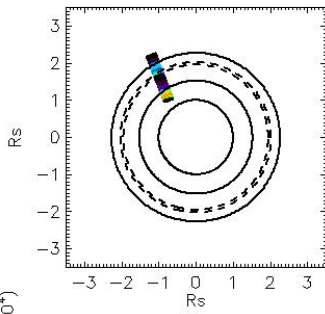
Observation Name:
UMS_071RLLATPHASE01_VIMS

Observation Date:
2008_164_07_32_24

Observation Duration:
3900 S

Integration time = 300 S



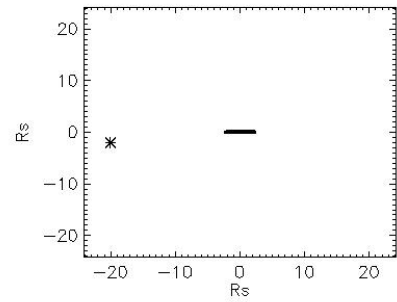
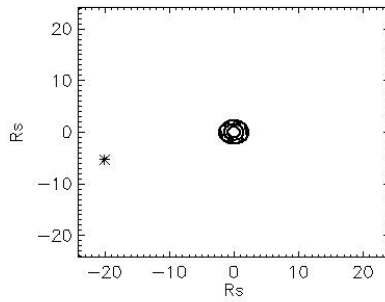
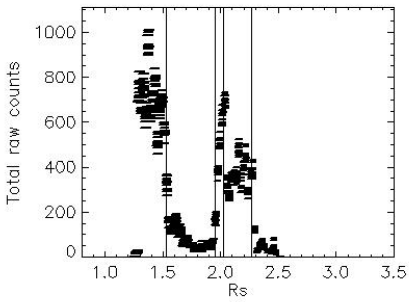
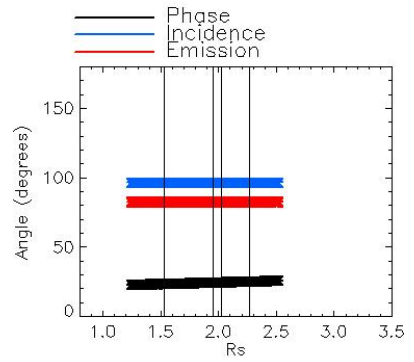
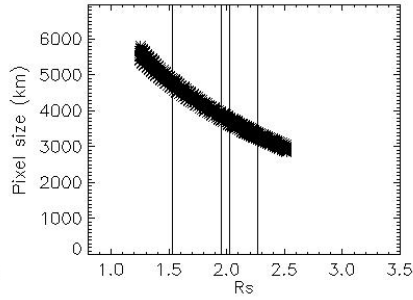
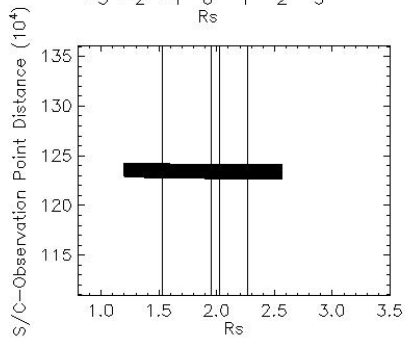


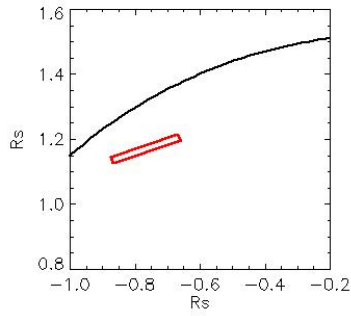
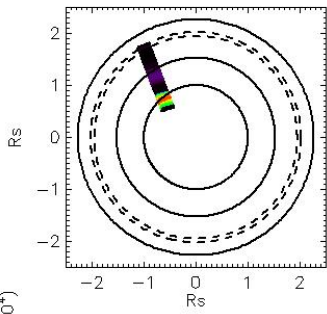
Observation Name:
UMS_071RLLATPHASE01_VIMS

Observation Date:
2008_164_08_40_28

Observation Duration:
3900 S

Integration time = 300 S





Observation Name:
UMS_071RLLATPHASE001_VIMS

Observation Date:
2008_164_09_48_31

Observation Duration:
3900 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)

