

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.

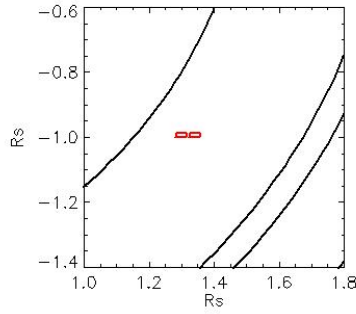
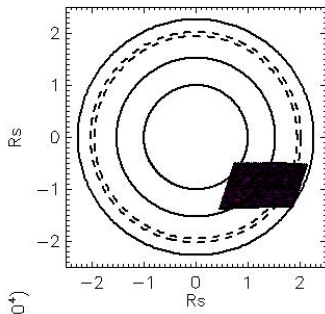
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.

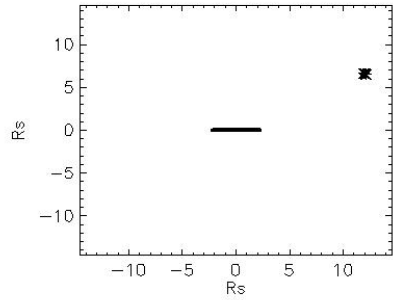
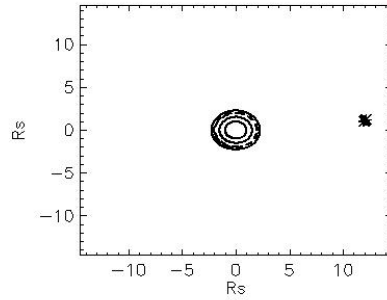
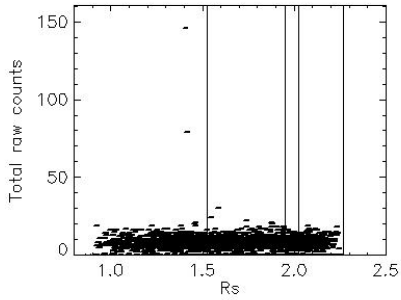
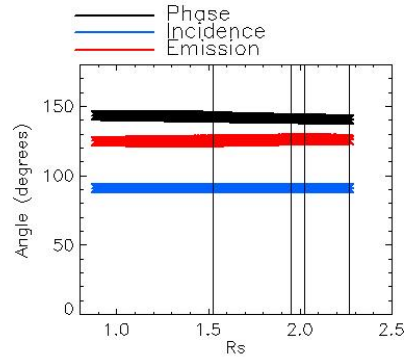
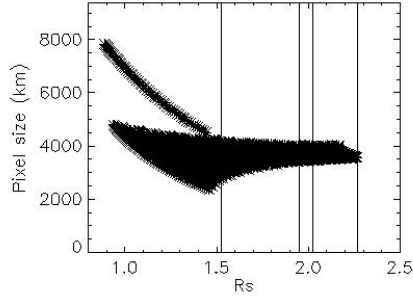
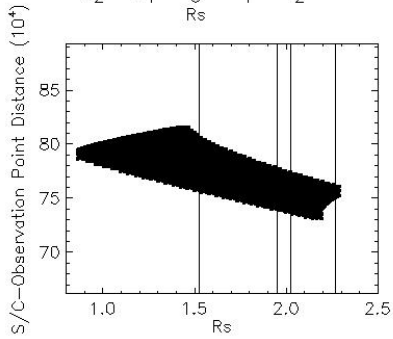


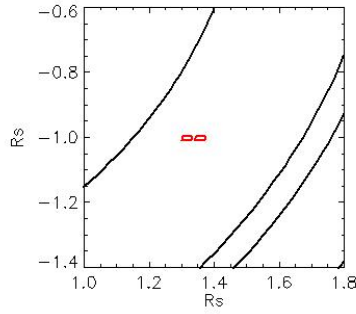
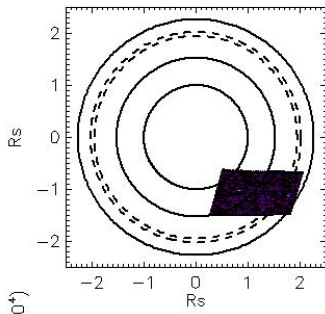
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_08_01_33

Observation Duration:
3300 S

Integration time = 100 S



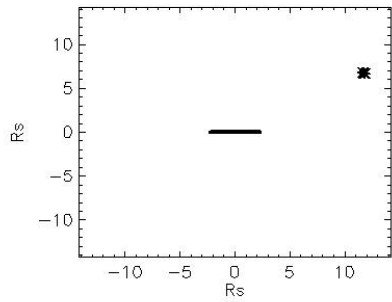
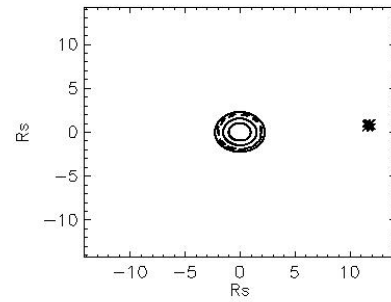
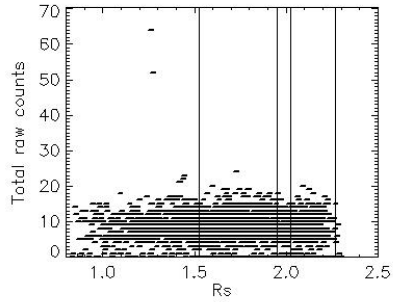
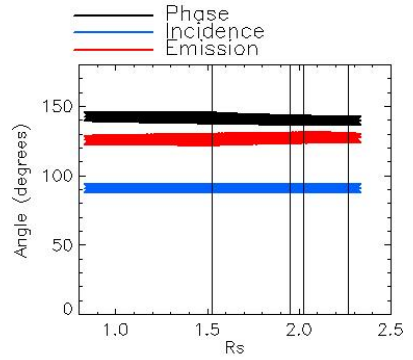
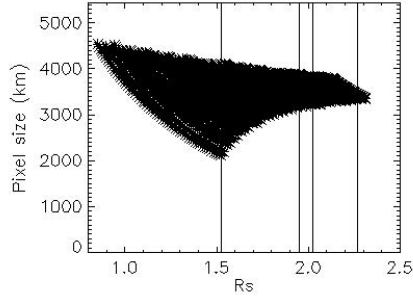
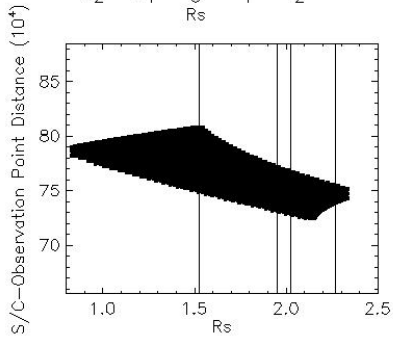


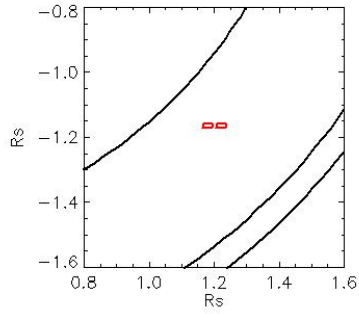
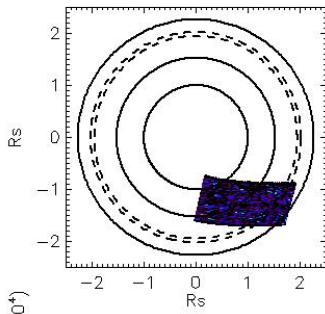
Observation Name:
UVS_112RLEQLBS001_CIRS

Observation Date:
2009_159_09_02_33

Observation Duration:
3400 S

Integration time = 100 S



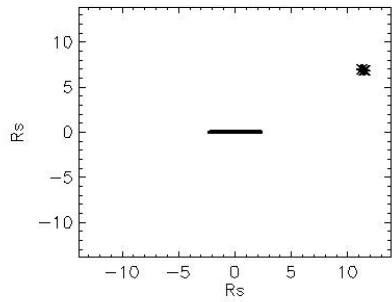
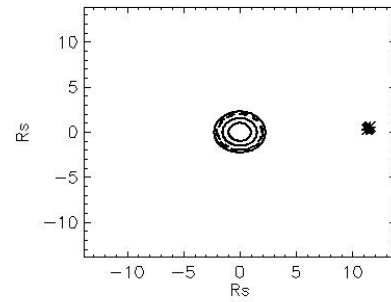
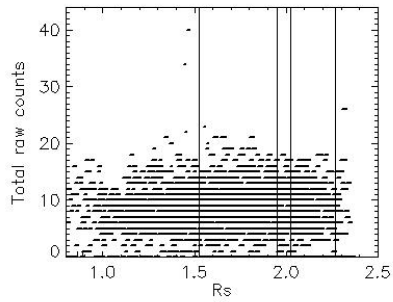
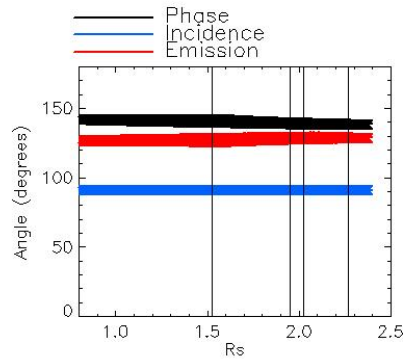
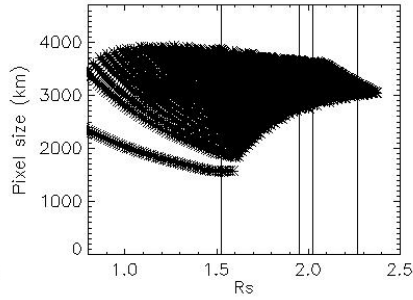
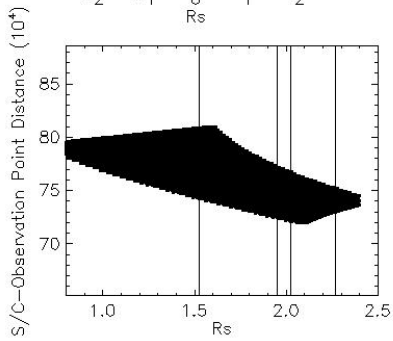


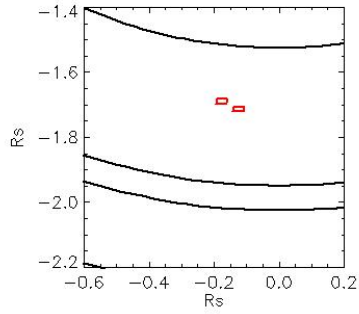
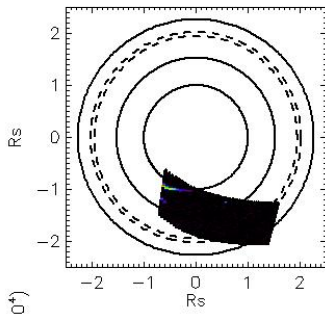
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_10_06_33

Observation Duration:
3900 S

Integration time = 100 S



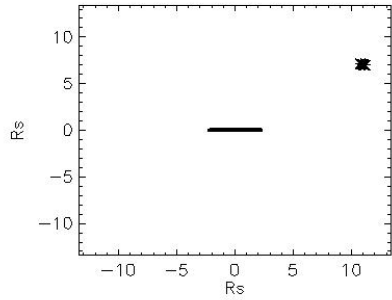
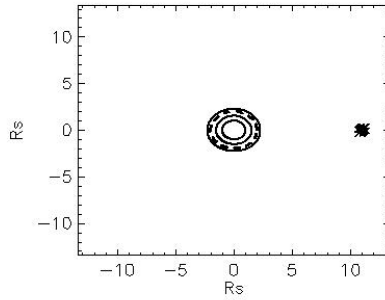
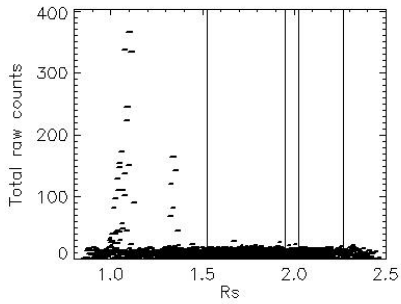
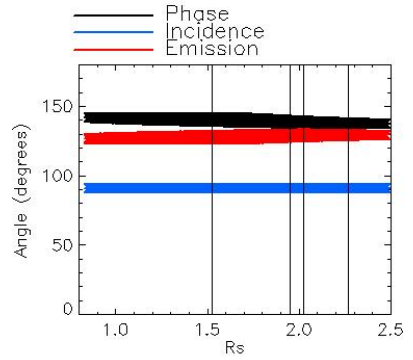
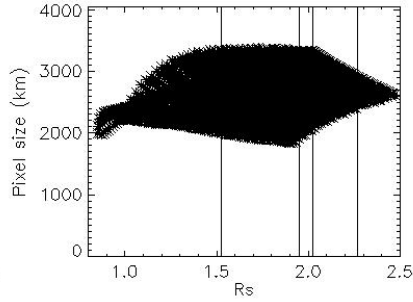
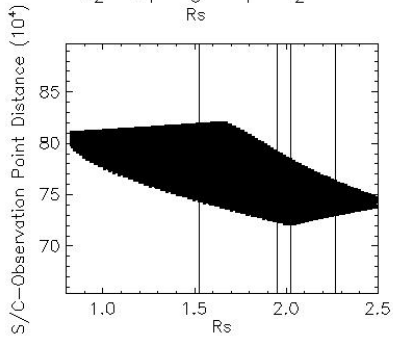


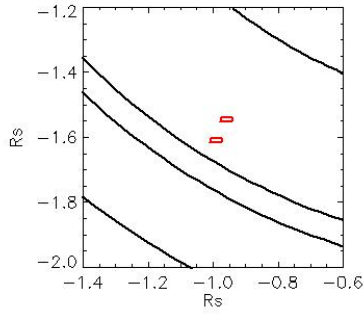
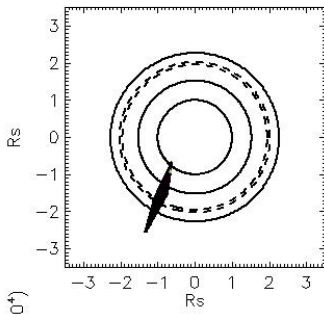
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_11_17_33

Observation Duration:
4600 S

Integration time = 100 S



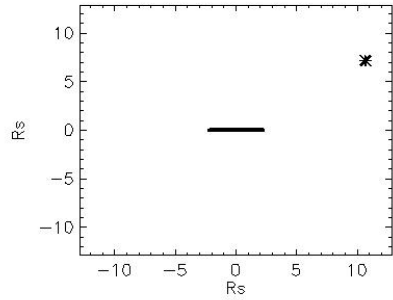
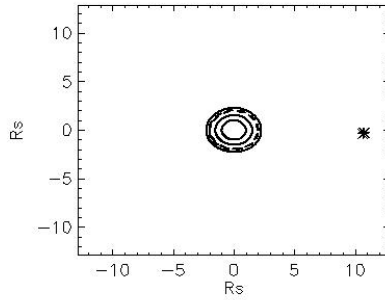
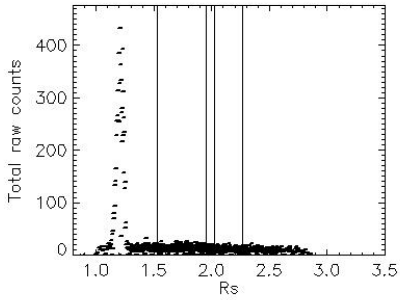
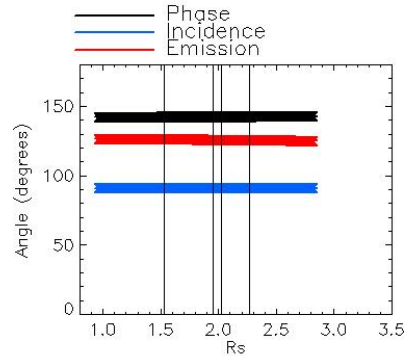
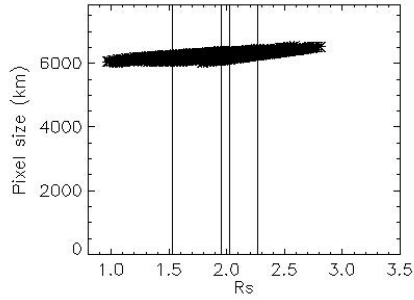
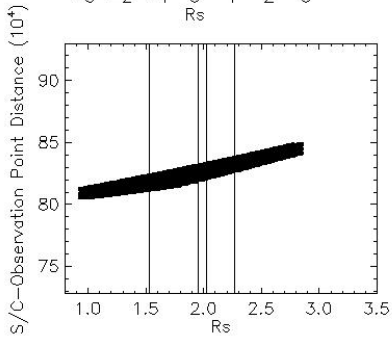


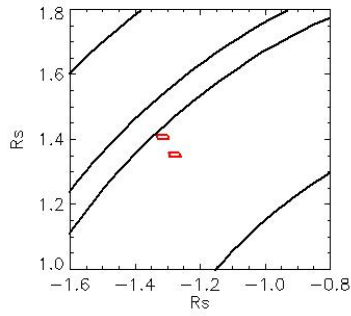
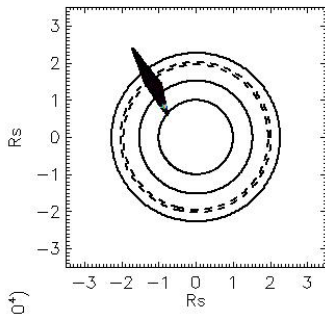
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_12_40_32

Observation Duration:
1500 S

Integration time = 100 S



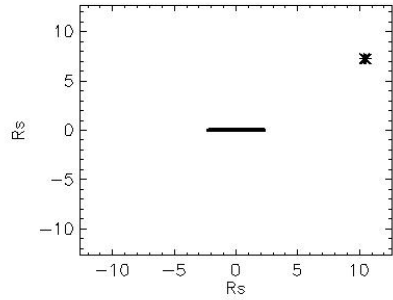
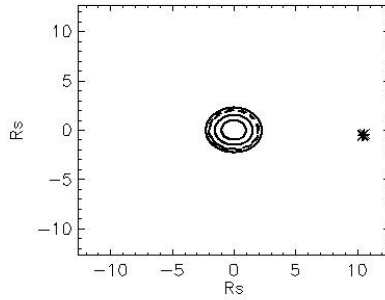
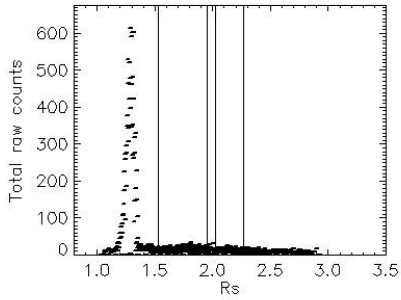
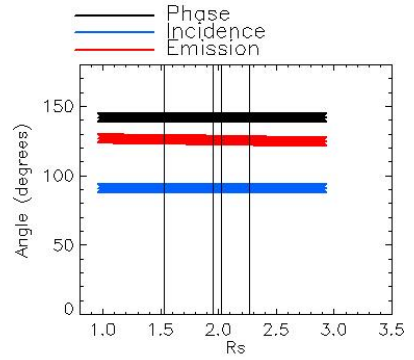
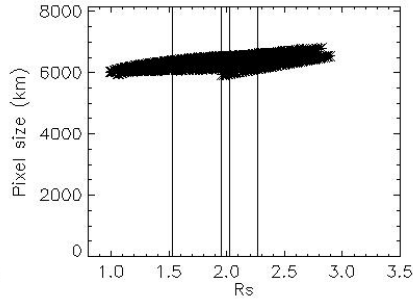
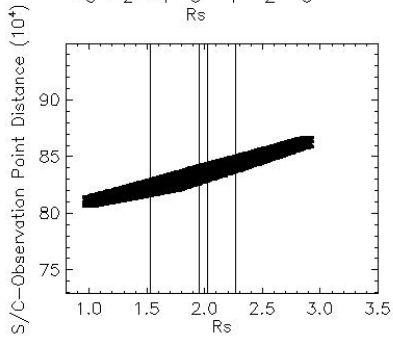


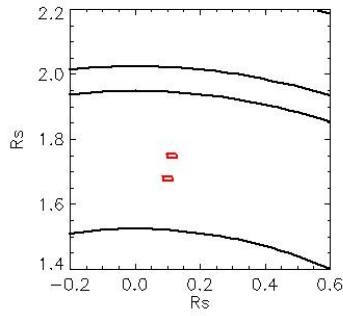
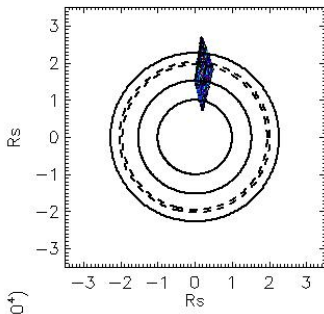
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_13_13_32

Observation Duration:
1600 S

Integration time = 100 S



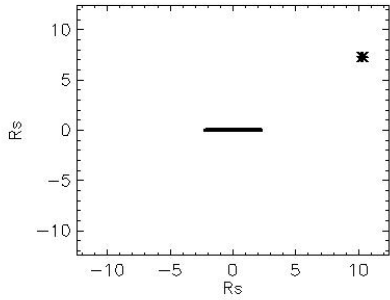
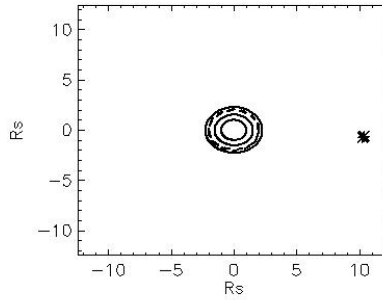
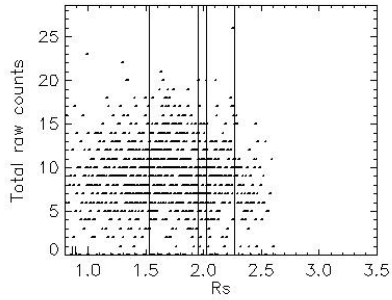
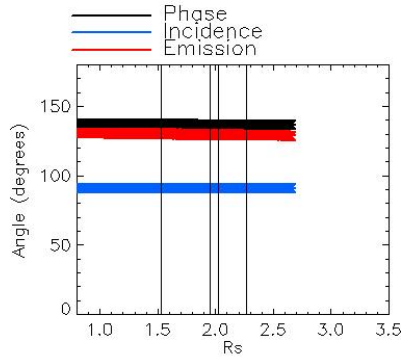
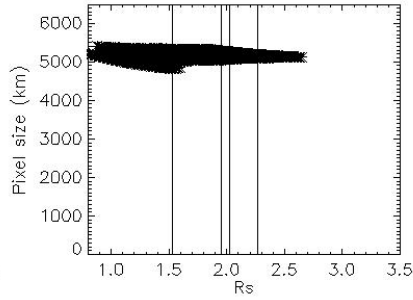
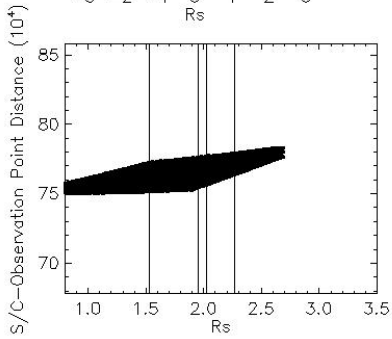


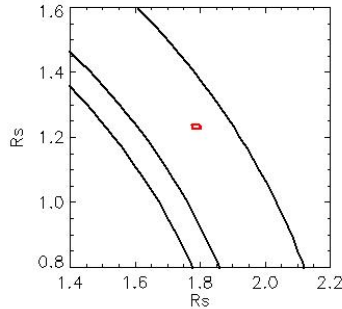
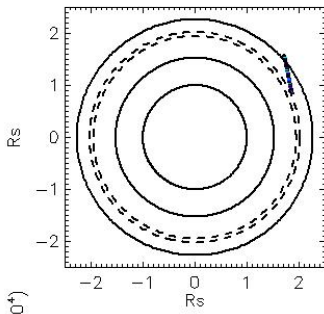
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_13_46_32

Observation Duration:
1600 S

Integration time = 100 S



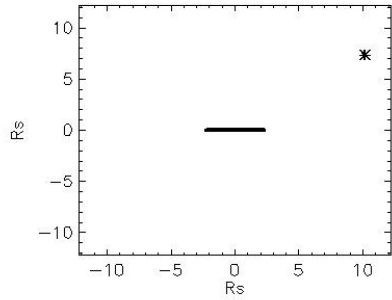
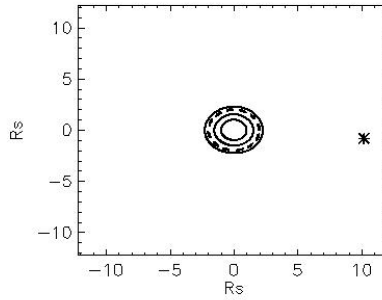
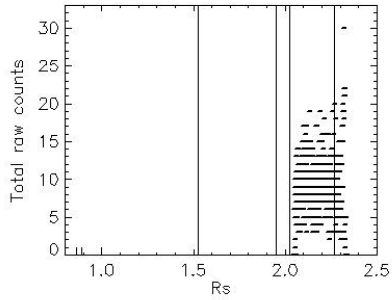
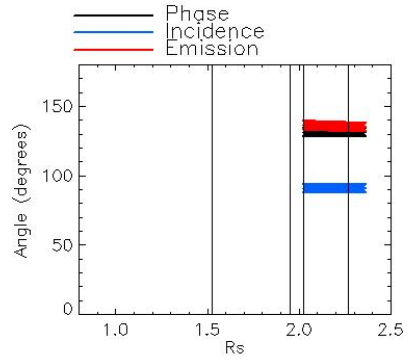
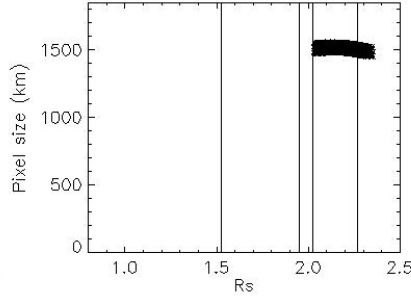
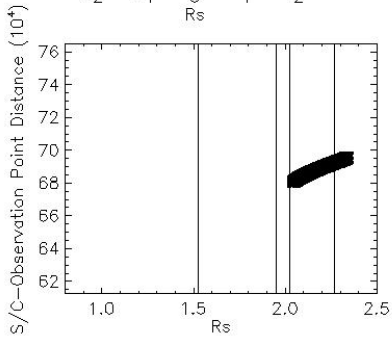


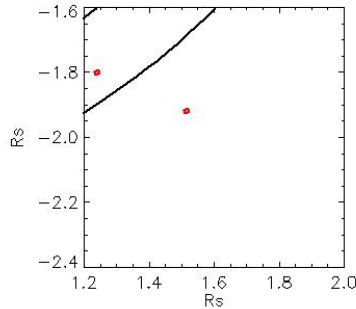
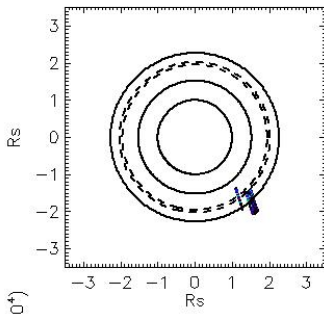
Observation Name:
UMS_112RLEQLBS001_CIRS

Observation Date:
2009_159_14_18_32

Observation Duration:
700 S

Integration time = 100 S



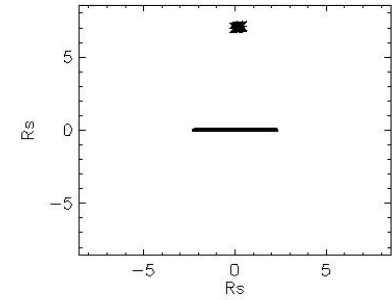
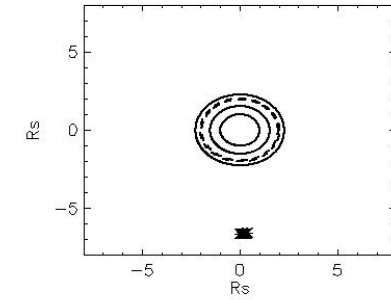
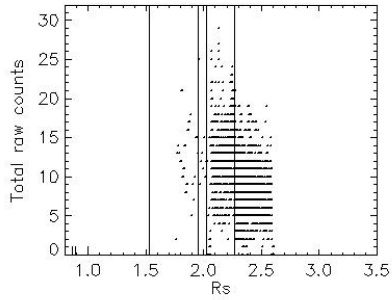
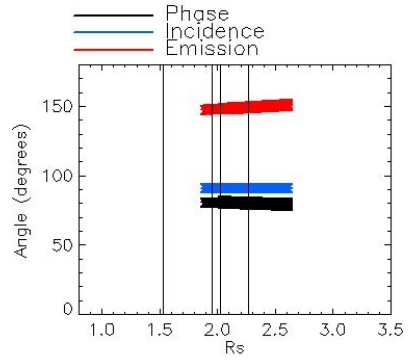
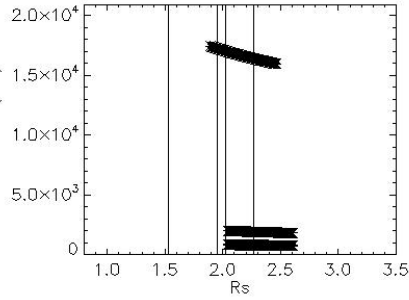
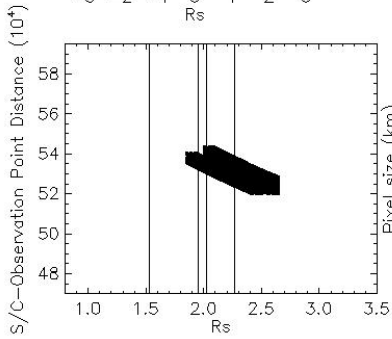


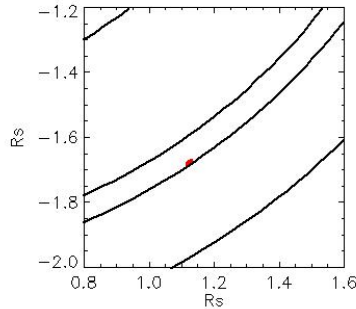
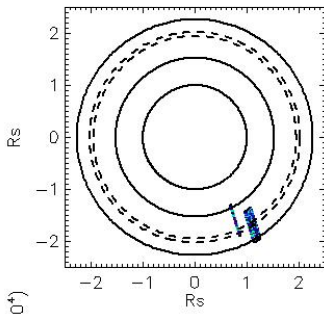
Observation Name:
UMS_112RLPREEQX001_VIMS

Observation Date:
2009_160_09_50_04

Observation Duration:
2700 S

Integration time = 100 S



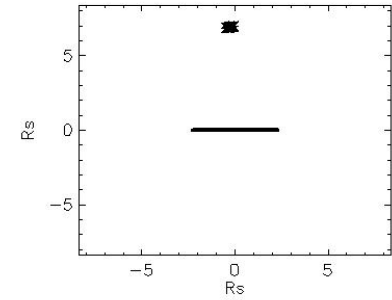
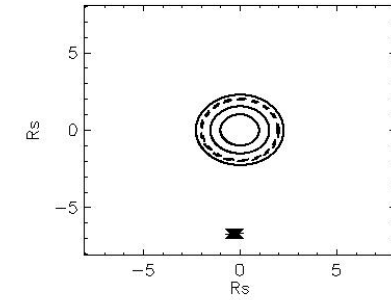
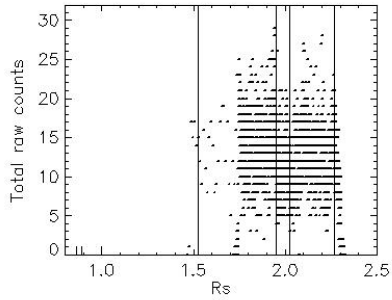
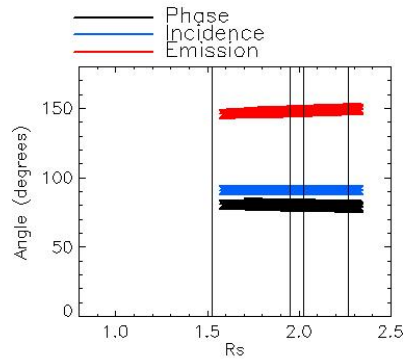
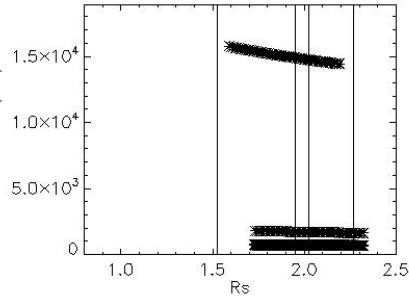
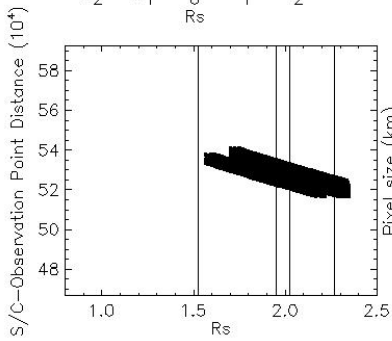


Observation Name:
UMS_112RLPREEQX001_VIMS

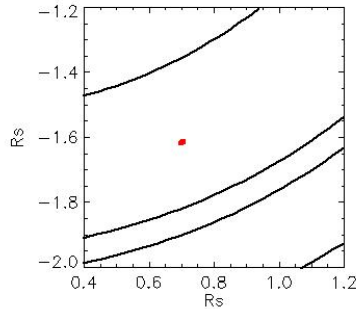
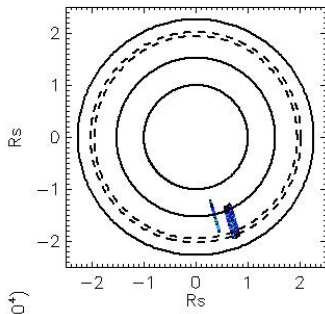
Observation Date:
2009_160_10_36_49

Observation Duration:
2700 S

Integration time = 100 S



— Phase
— Incidence
— Emission

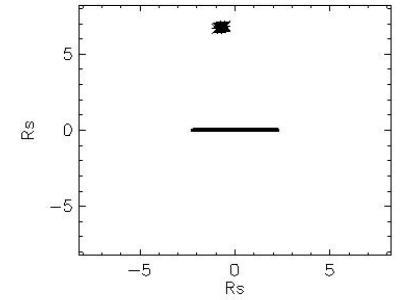
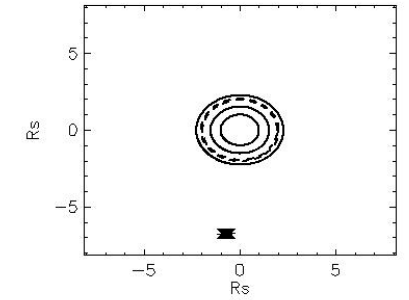
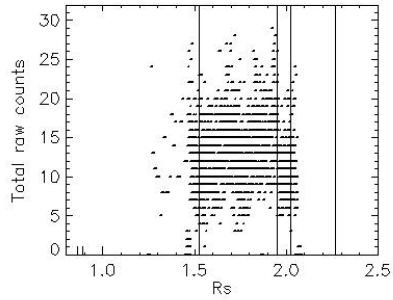
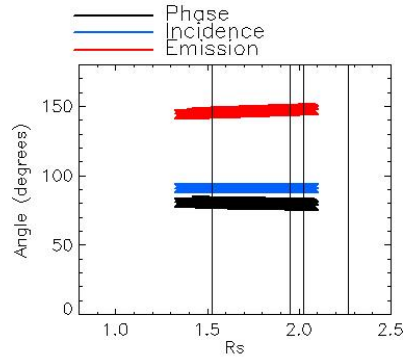
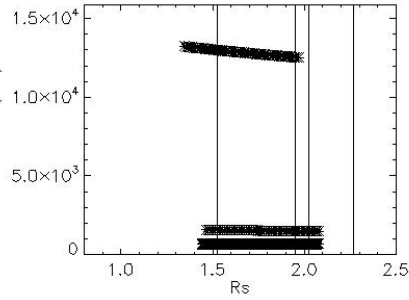
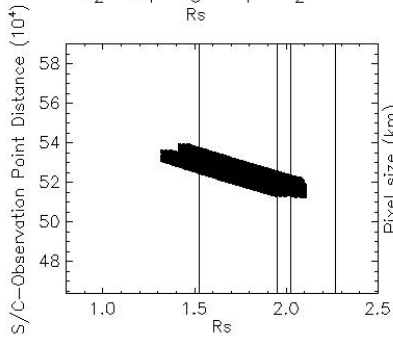


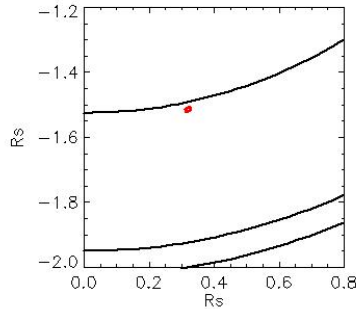
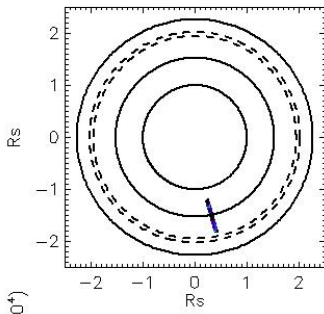
Observation Name:
UMS_112RLPREEQX001_VIMS

Observation Date:
2009_160_11_23_34

Observation Duration:
2700 S

Integration time = 100 S



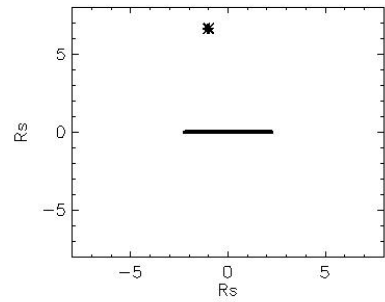
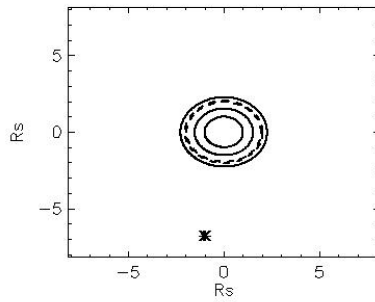
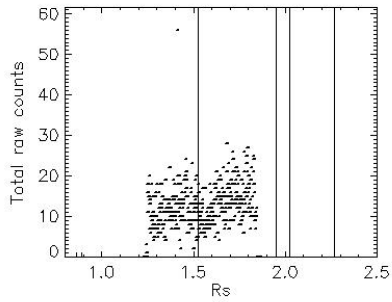
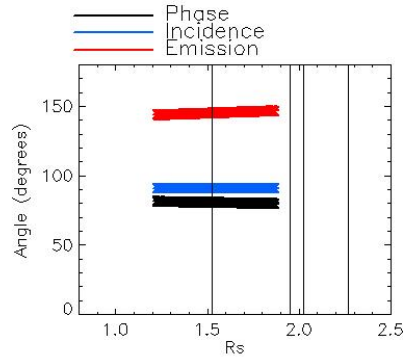
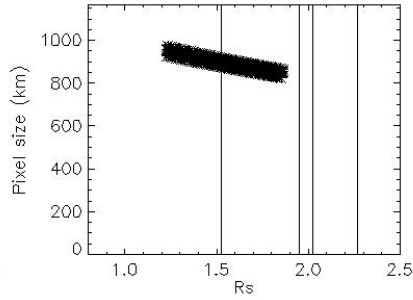
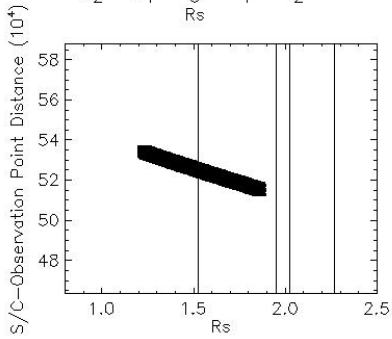


Observation Name:
UMS_112RLPREEQX001_VIMS

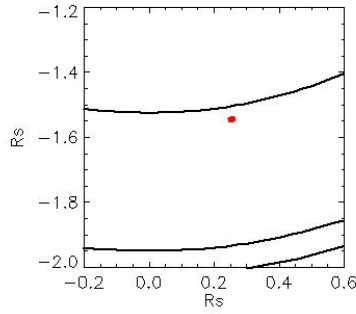
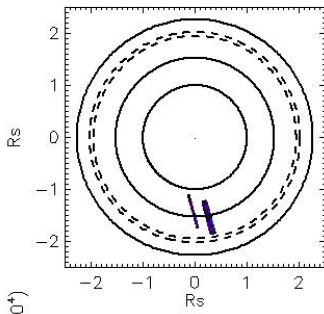
Observation Date:
2009_160_12_10_19

Observation Duration:
700 S

Integration time = 100 S



— Phase
— Incidence
— Emission

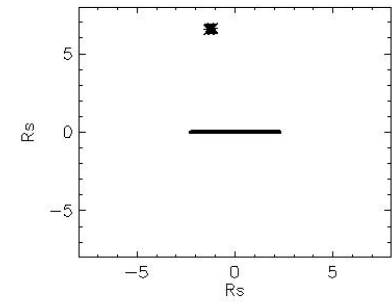
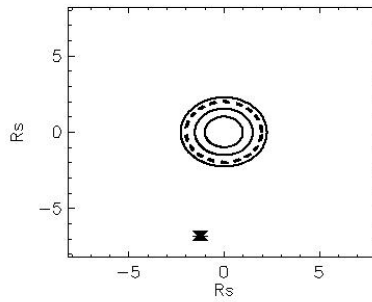
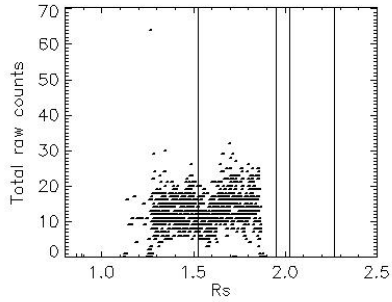
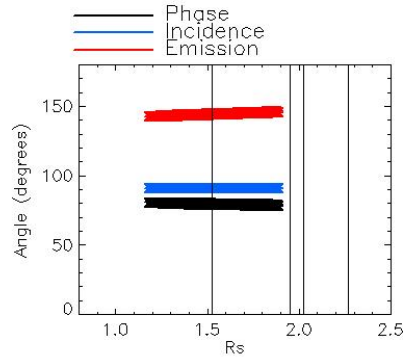
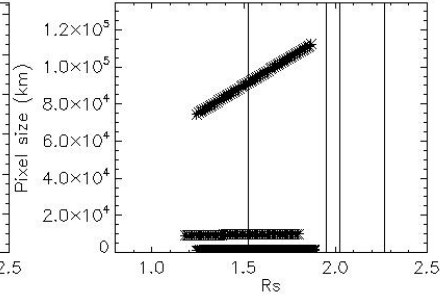
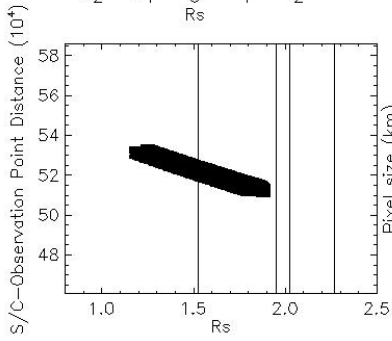


Observation Name:
UMS_112RLPREEQ001_VIMS

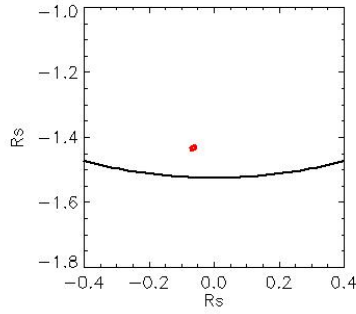
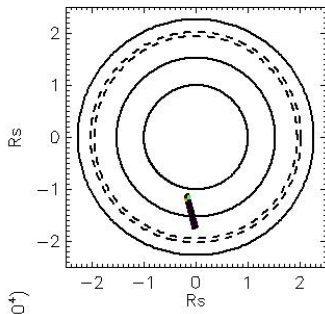
Observation Date:
2009_160_12_26_59

Observation Duration:
1700 S

Integration time = 100 S



— Phase
— Incidence
— Emission

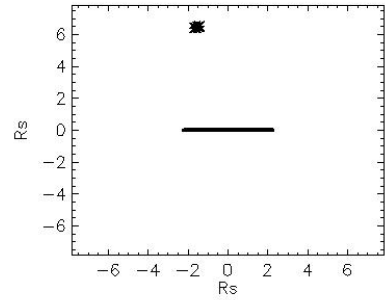
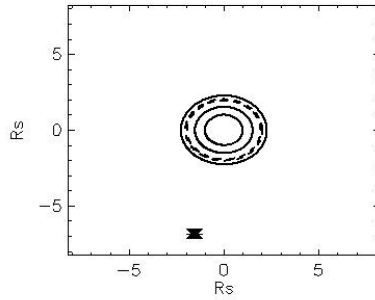
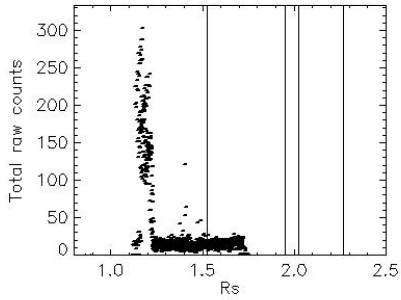
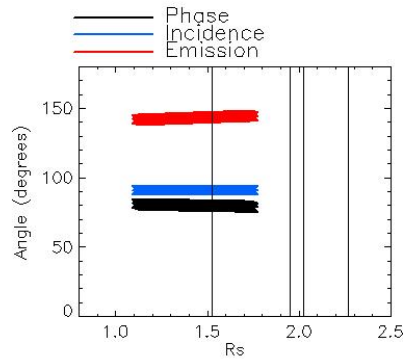
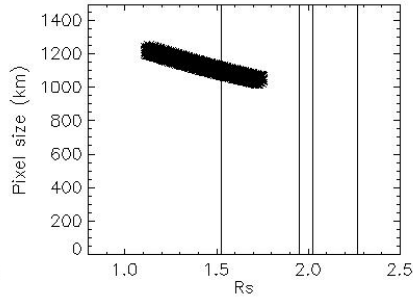
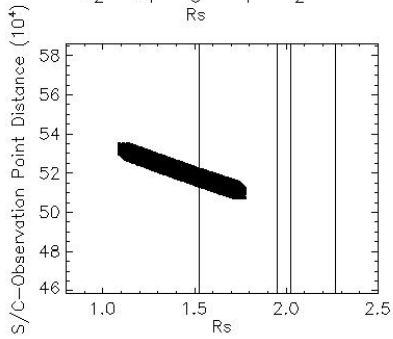


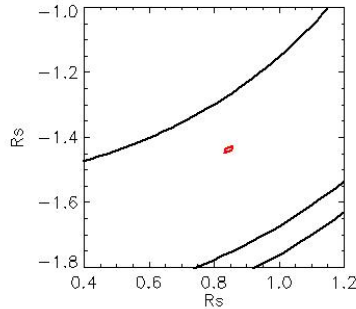
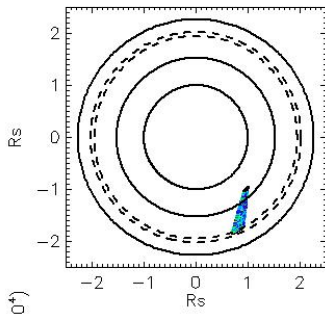
Observation Name:
UMS_112RLPREEQX001_VIMS

Observation Date:
2009_160_12_57_04

Observation Duration:
2100 S

Integration time = 100 S



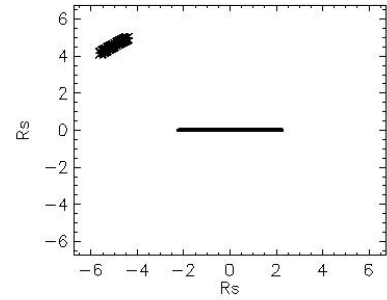
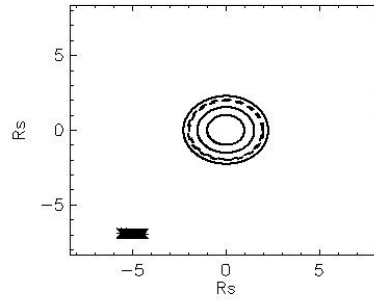
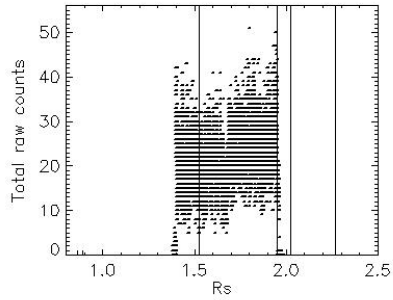
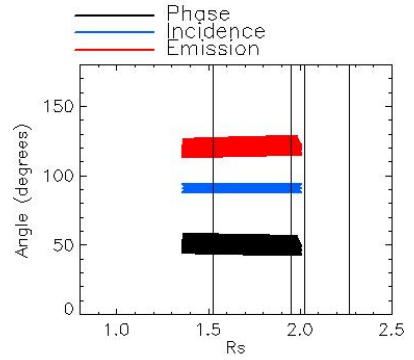
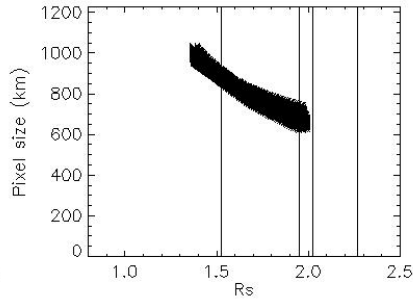
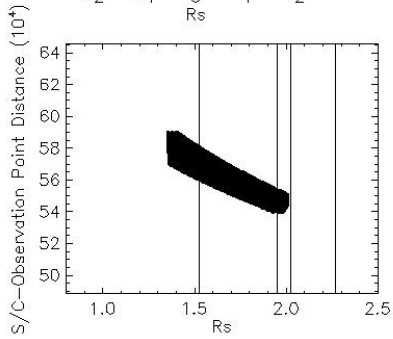


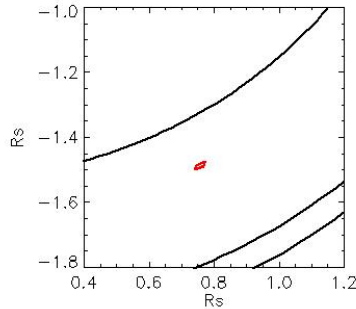
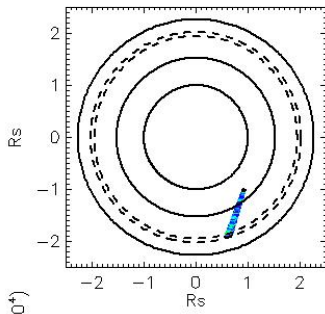
Observation Name:
UVS_112RLLPSP0KE001_VIMS

Observation Date:
2009_160_18_50_28

Observation Duration:
9500 S

Integration time = 100 S



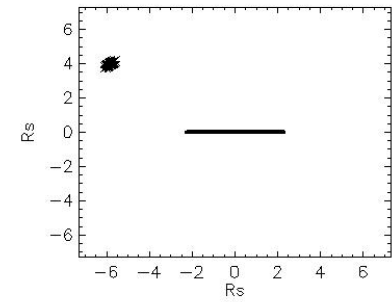
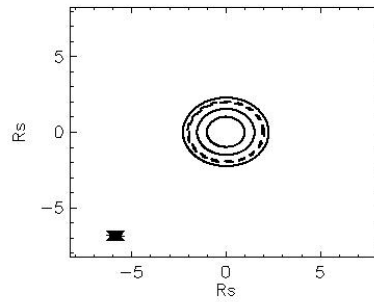
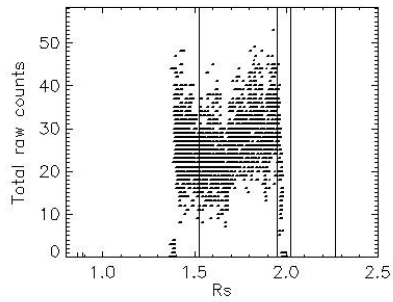
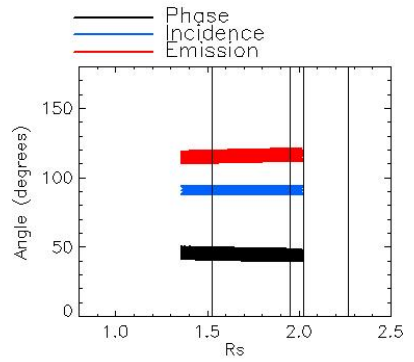
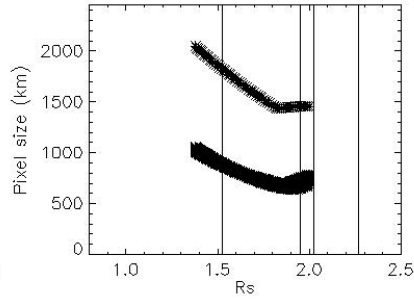
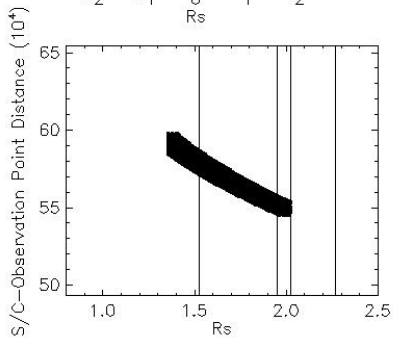


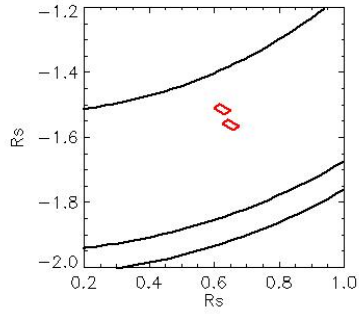
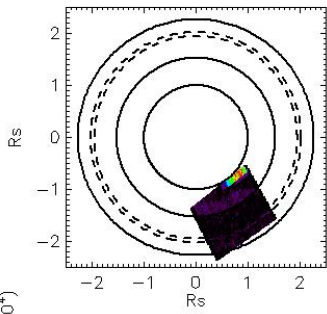
Observation Name:
UMS_112RLLPSP0KE001_VIMS

Observation Date:
2009_160_21_28_48

Observation Duration:
3800 S

Integration time = 100 S



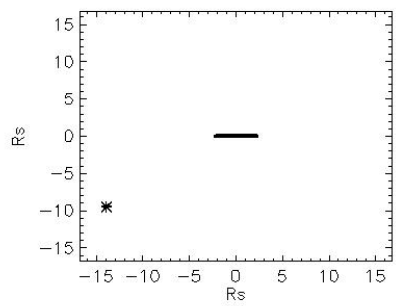
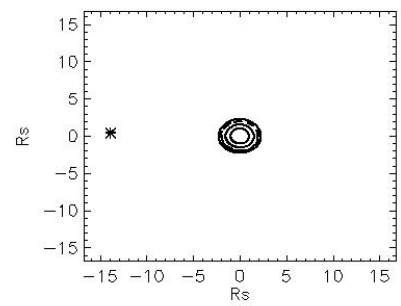
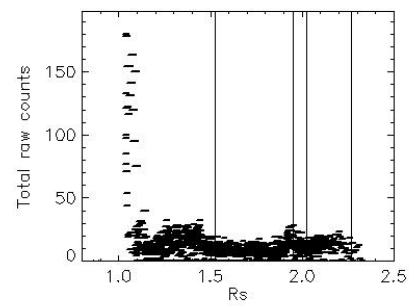
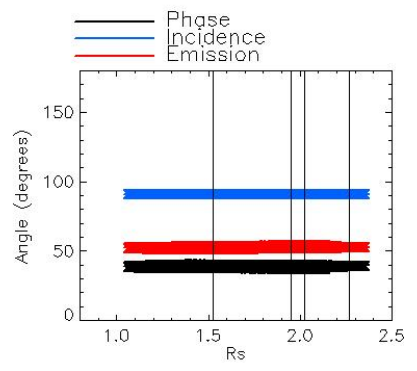
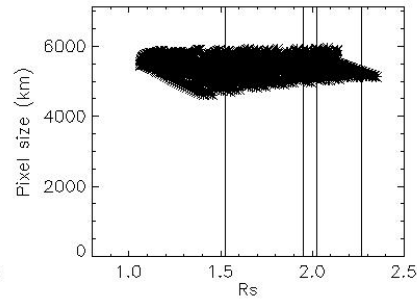
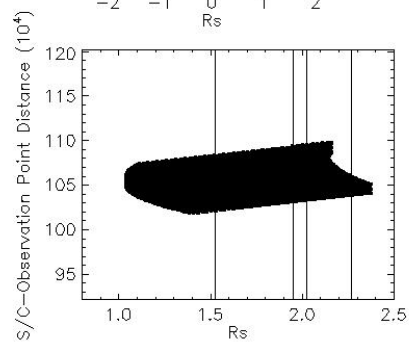


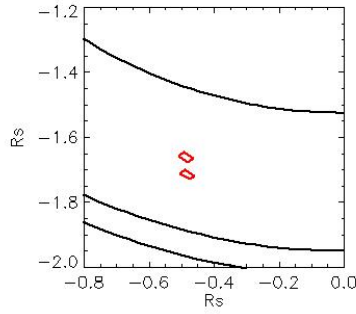
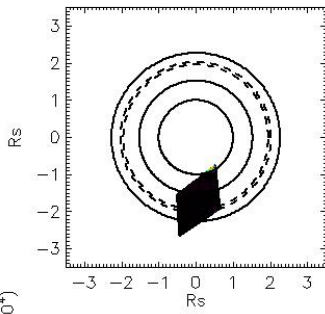
Observation Name:
UVS_112RLEQLBN001_CIRS

Observation Date:
2009_162_12_06_33

Observation Duration:
2000 S

Integration time = 100 S



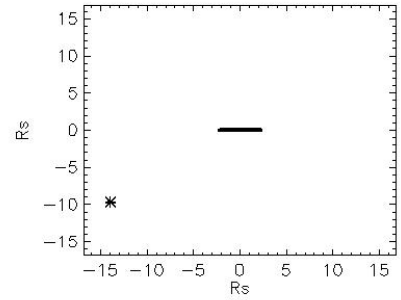
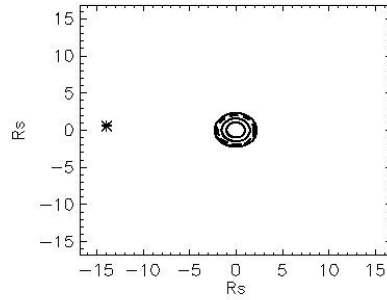
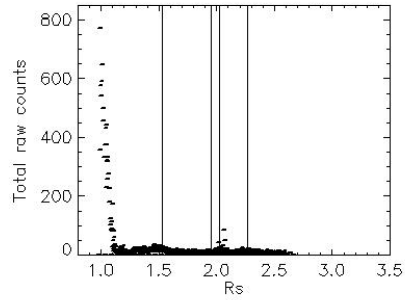
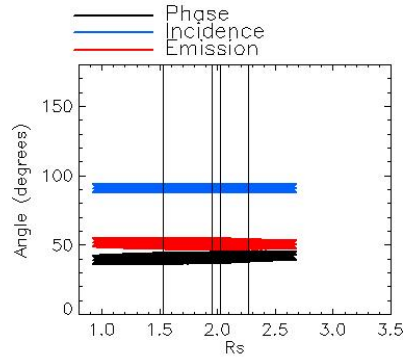
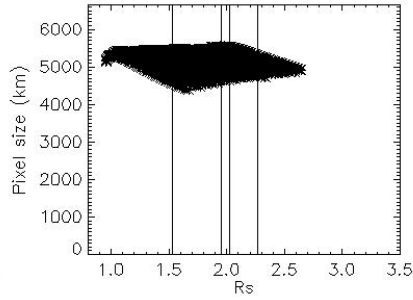
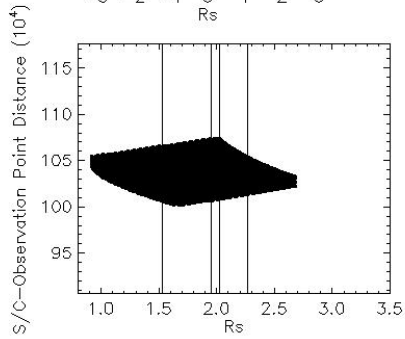


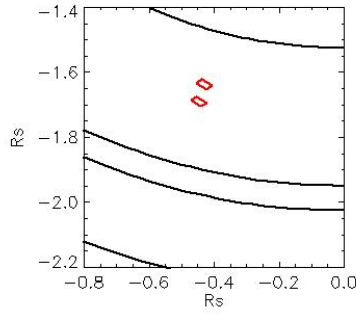
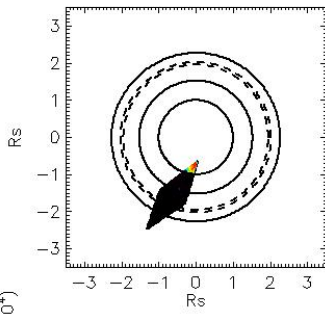
Observation Name:
UVS_112RLEQLBN001_CIRS

Observation Date:
2009_162_12_46_33

Observation Duration:
2000 S

Integration time = 100 S



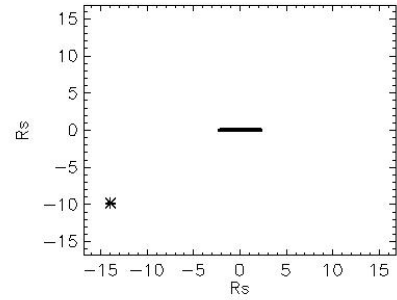
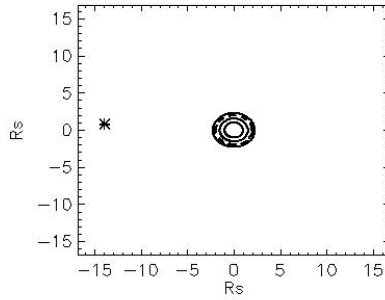
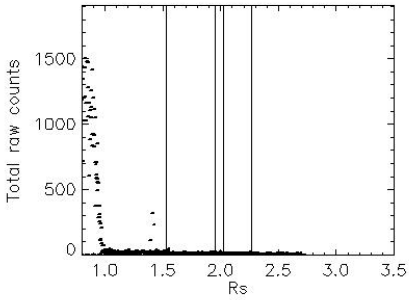
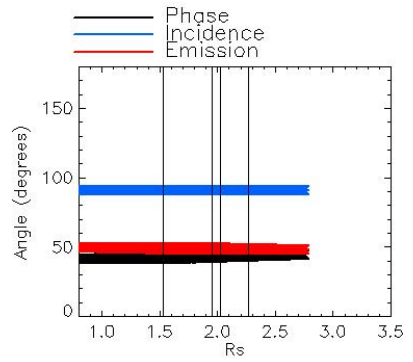
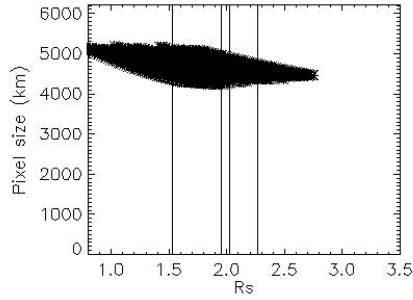
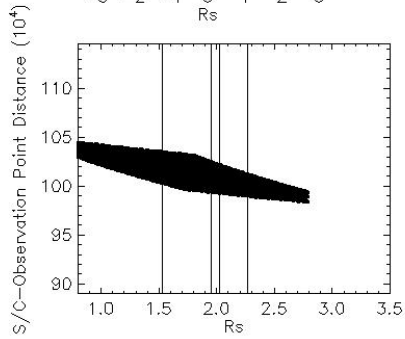


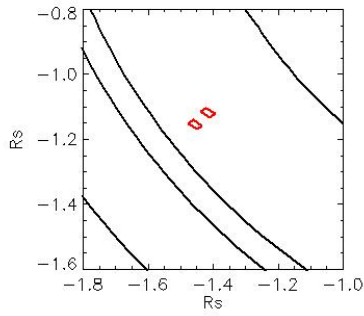
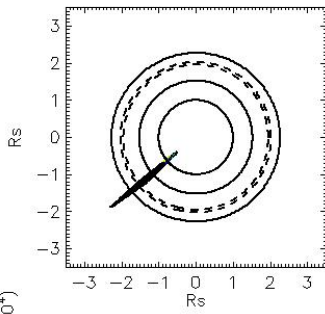
Observation Name:
UVS_112RLEQLBN001_CIRS

Observation Date:
2009_162_13_26_33

Observation Duration:
2000 S

Integration time = 100 S



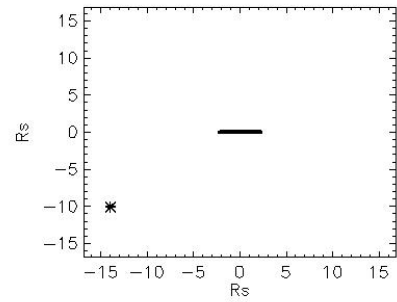
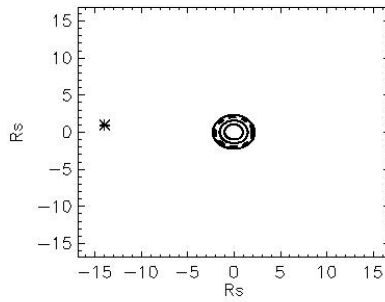
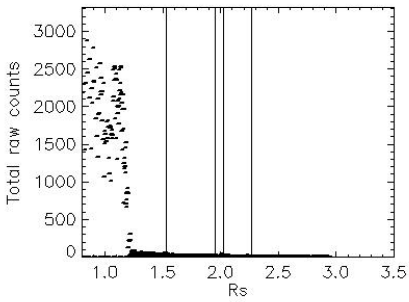
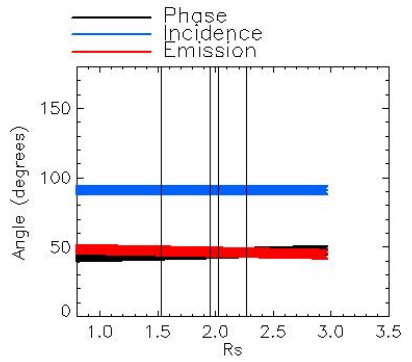
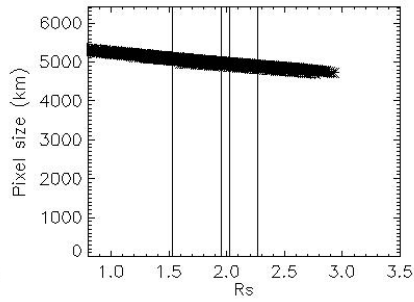
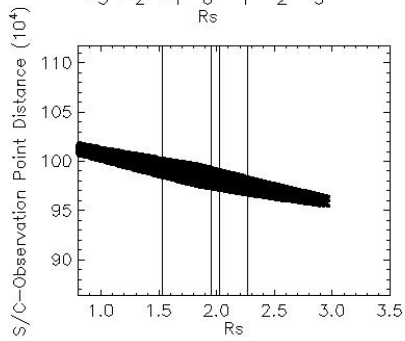


Observation Name:
UVS_112RLEQLBN001_CIRS

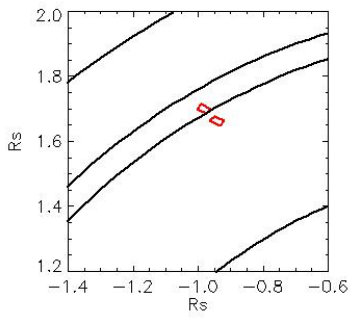
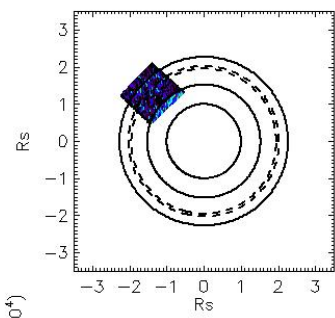
Observation Date:
2009_162_14_06_33

Observation Duration:
2000 S

Integration time = 100 S



— Phase
— Incidence
— Emission

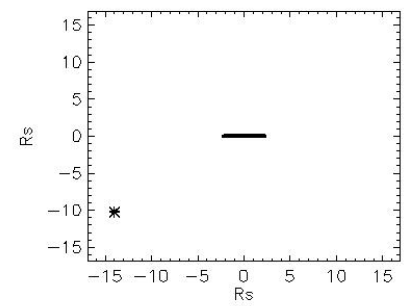
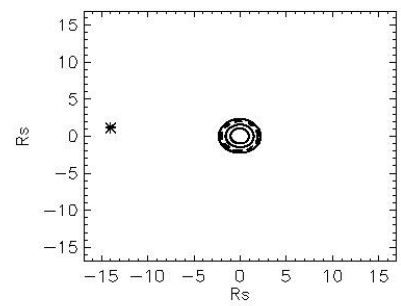
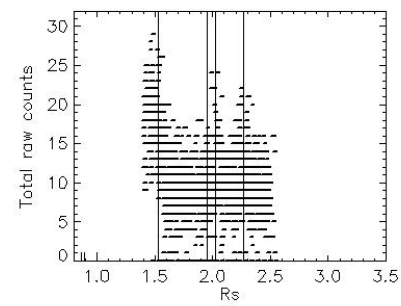
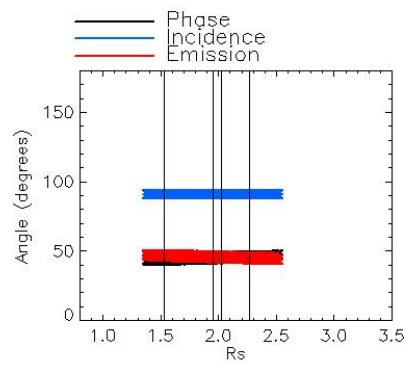
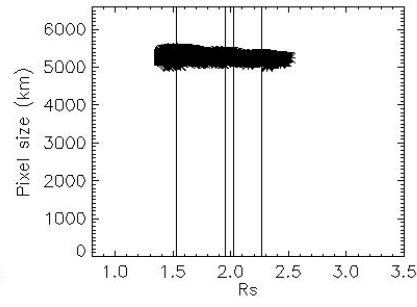
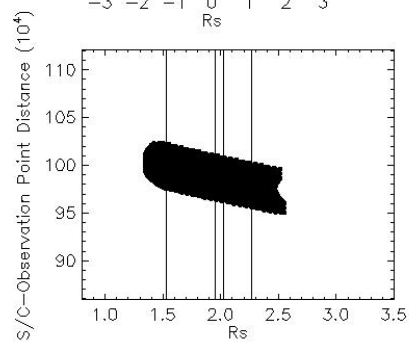


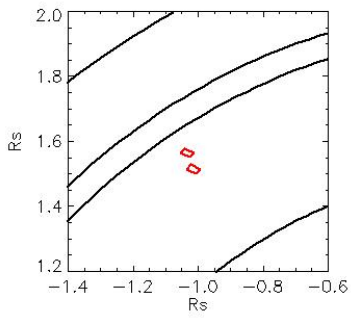
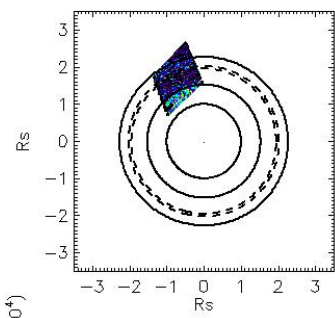
Observation Name:
UVS_112RLEQLBN001_CIRS

Observation Date:
2009_162_14_46_33

Observation Duration:
2000 S

Integration time = 100 S



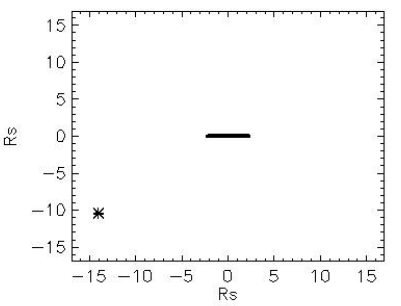
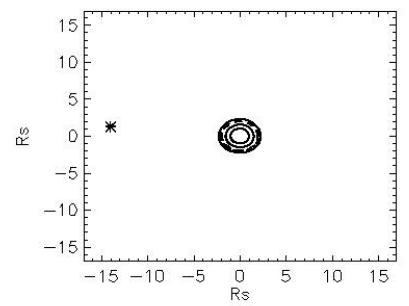
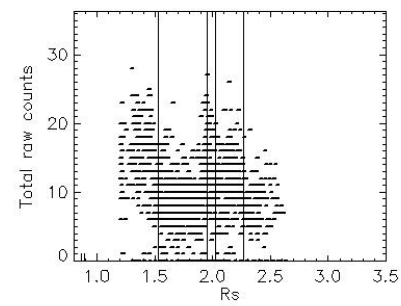
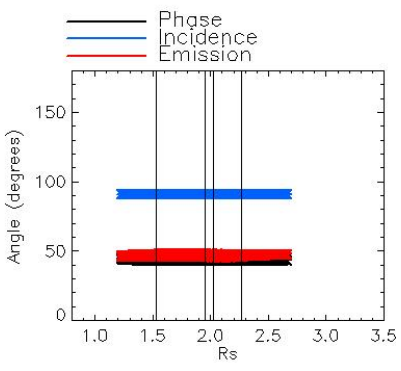
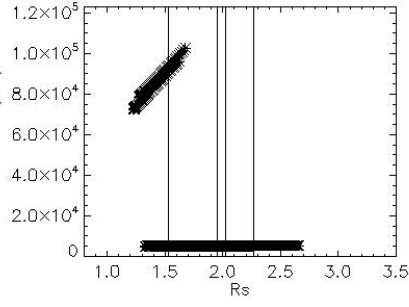
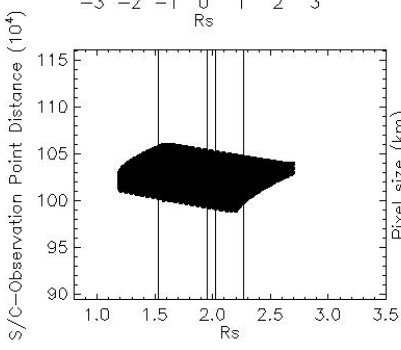


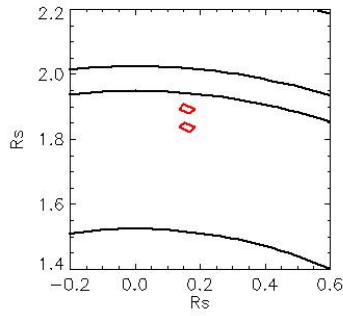
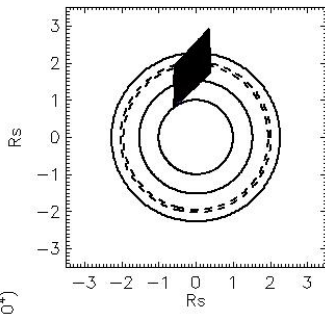
Observation Name:
UMS_112RLEQLBN001_CIRS

Observation Date:
2009_162_15_26_33

Observation Duration:
2000 S

Integration time = 100 S





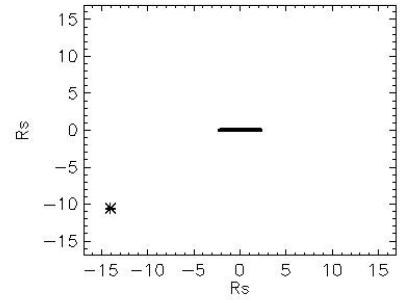
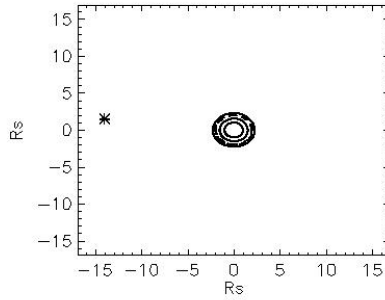
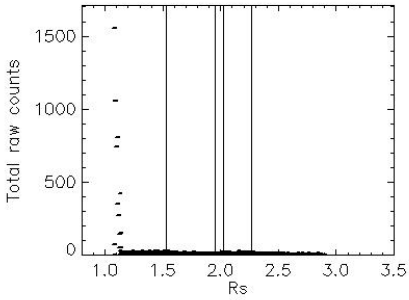
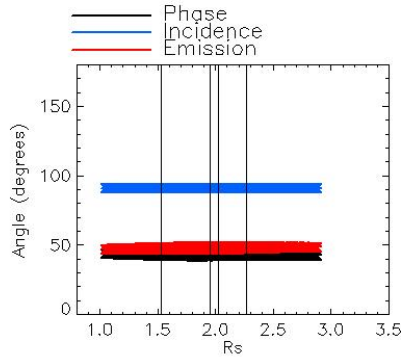
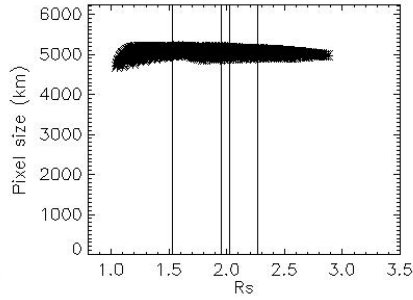
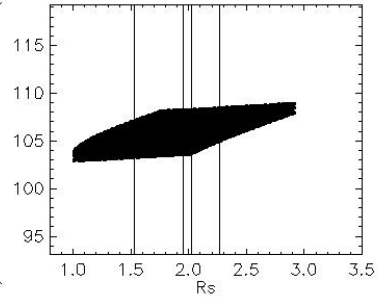
Observation Name:
UVS_112RLEQLBN001_CIRS

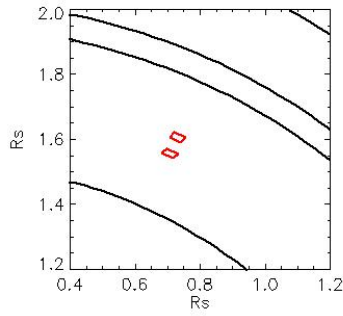
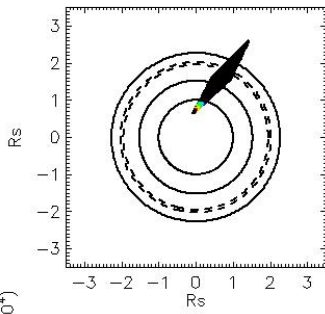
Observation Date:
2009_162_16_06_33

Observation Duration:
2000 S

Integration time = 100 S

S/C—Observation Point Distance (10^4)



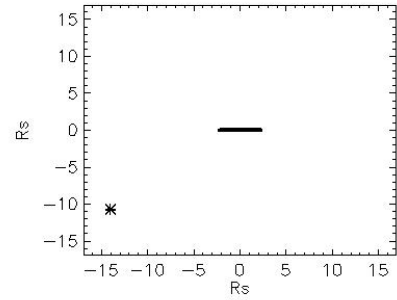
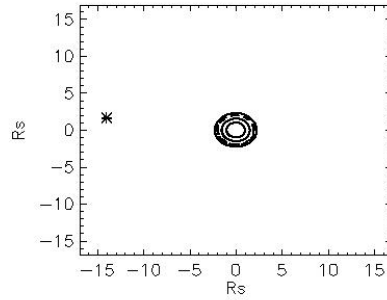
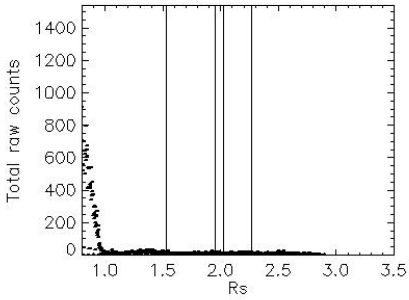
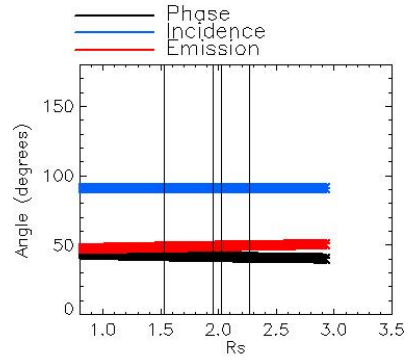
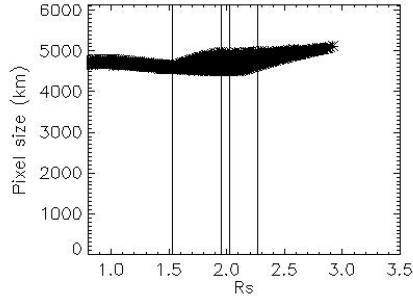
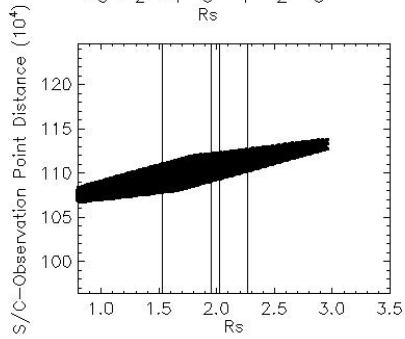


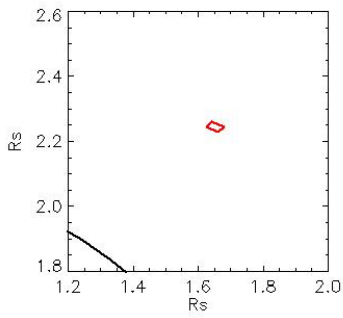
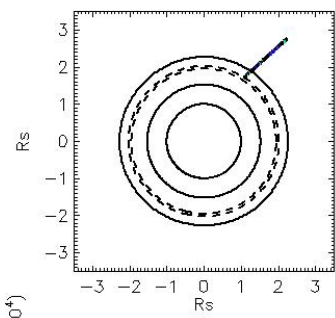
Observation Name:
UVS_112RLEQLBN001_CIRS

Observation Date:
2009_162_16_46_33

Observation Duration:
2000 S

Integration time = 100 S



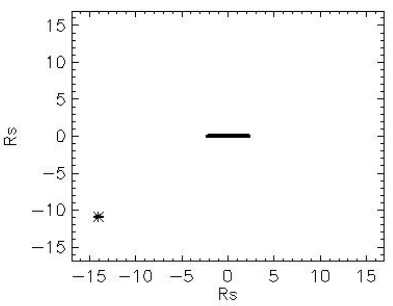
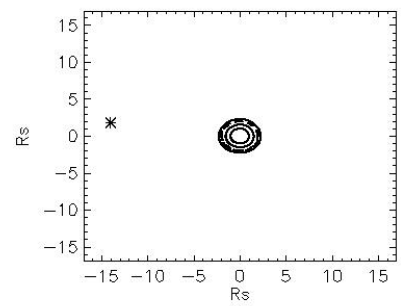
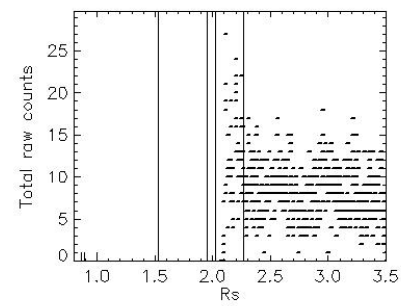
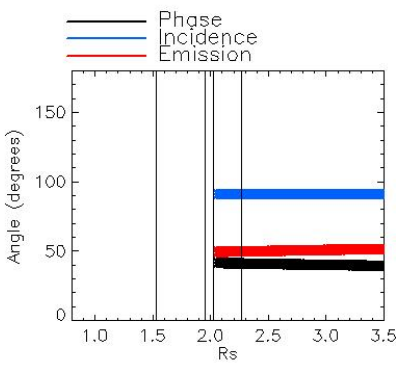
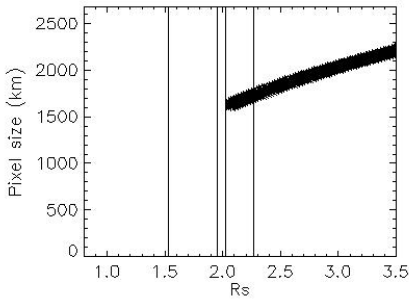
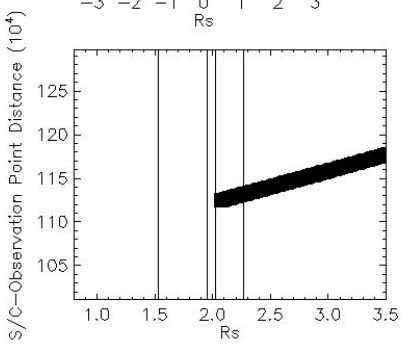


Observation Name:
UVS_112RLEQLBN001_CIRS

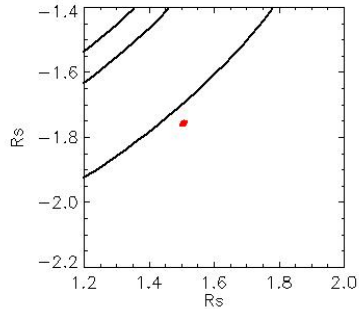
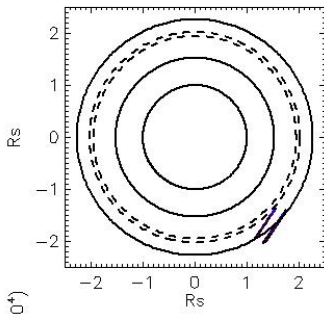
Observation Date:
2009_162_17_25_33

Observation Duration:
900 S

Integration time = 100 S



— Phase
— Incidence
— Emission

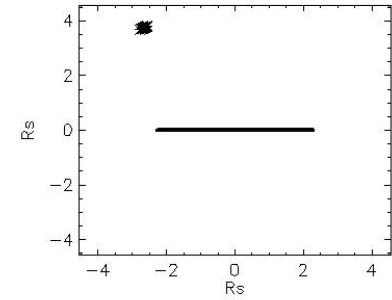
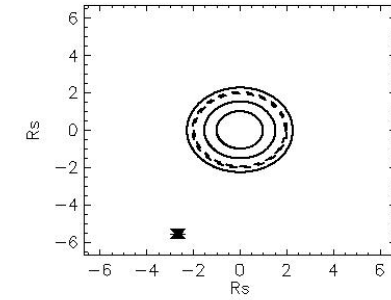
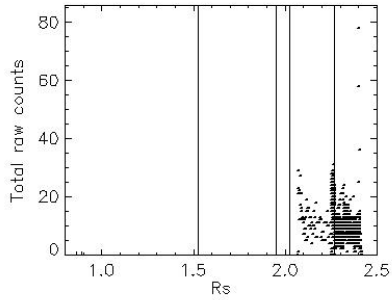
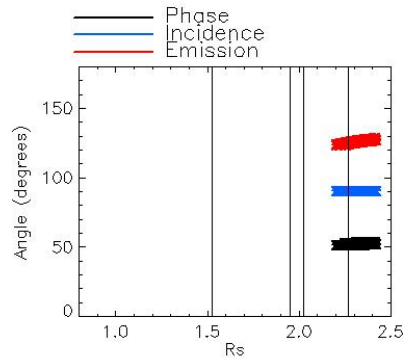
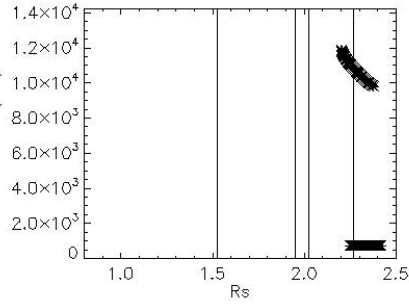
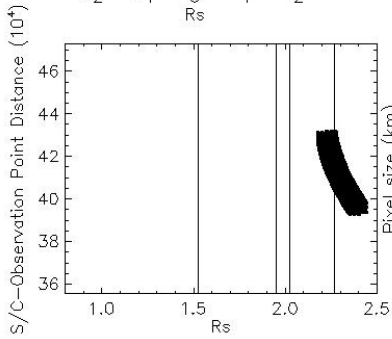


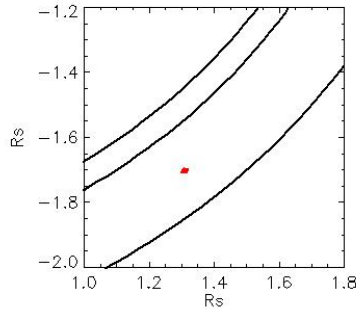
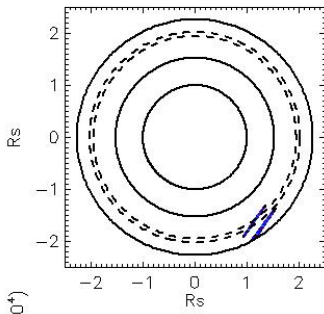
Observation Name:
UMS_113RLPREEQX001_VIMS

Observation Date:
2009_176_06_03_32

Observation Duration:
1400 S

Integration time = 100 S



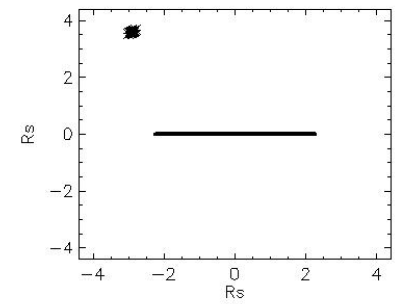
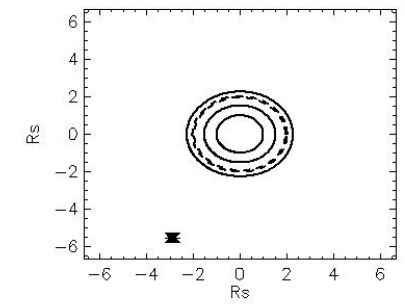
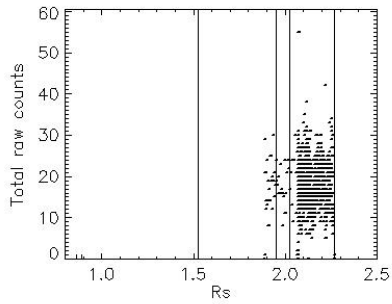
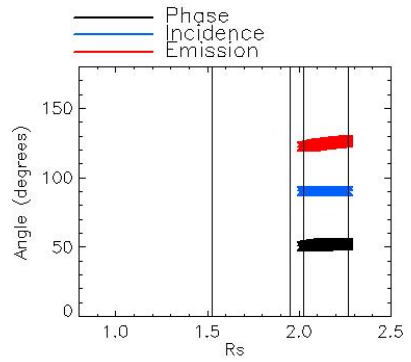
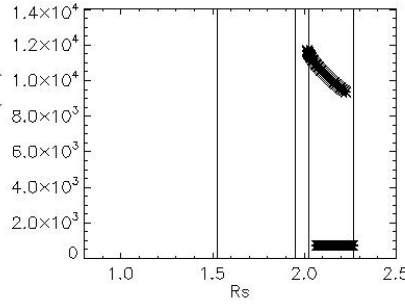
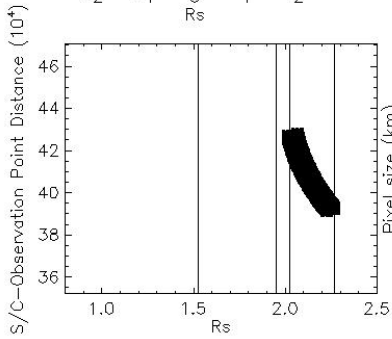


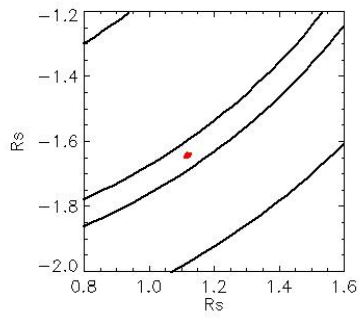
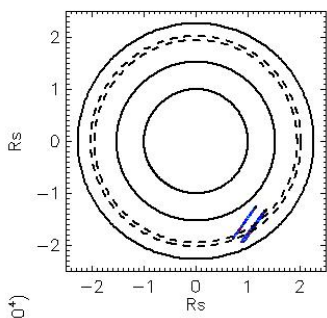
Observation Name:
UMS_113RLPREEQX001_VIMS

Observation Date:
2009_176_06_28_06

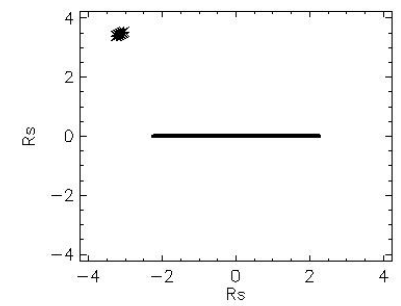
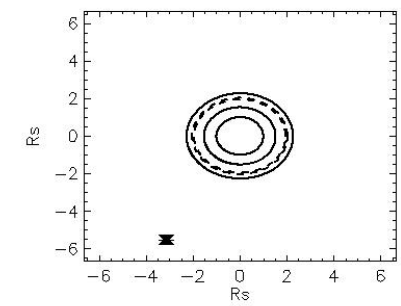
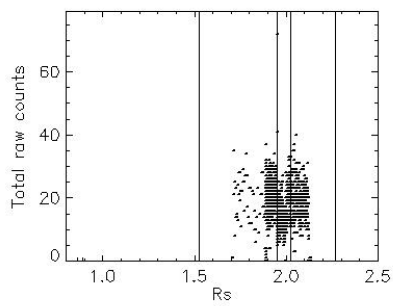
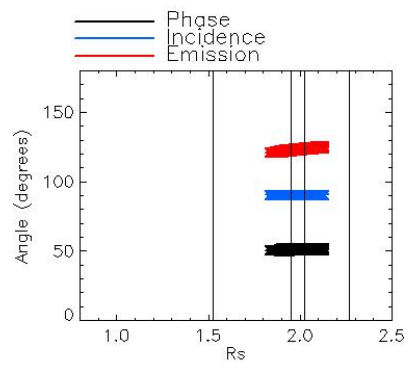
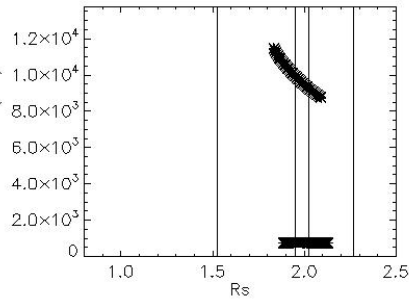
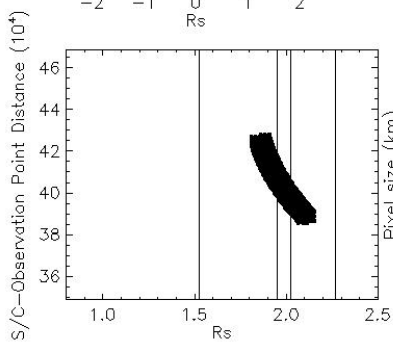
Observation Duration:
1400 S

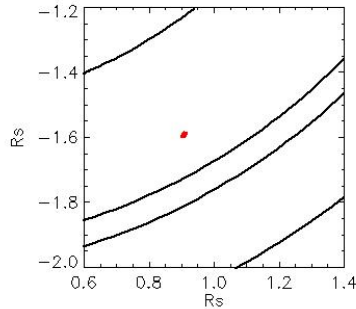
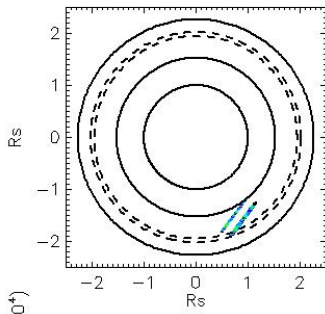
Integration time = 100 S





Observation Name:
 UVS_113RLPREEQX001_VIMS
 Observation Date:
 2009_176_06_52_39
 Observation Duration:
 1400 S
 Integration time = 100 S



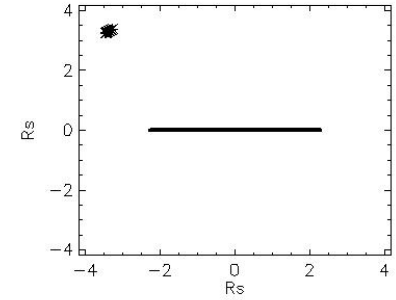
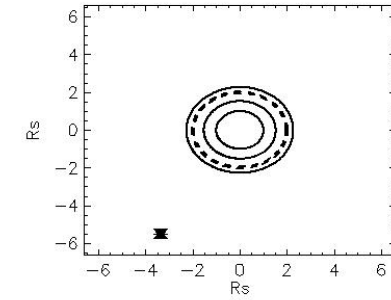
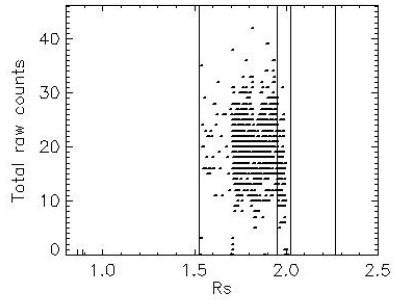
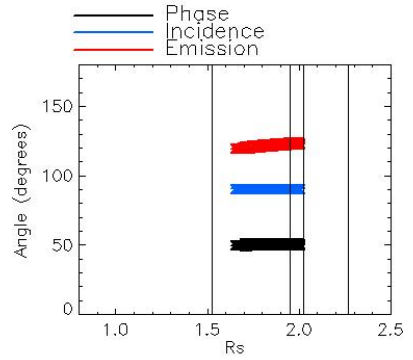
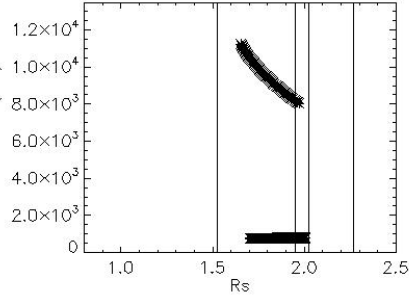
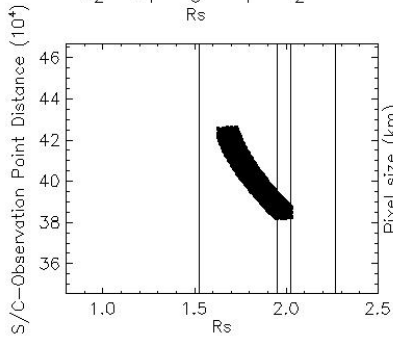


Observation Name:
UMS_113RLPREEQX001_VIMS

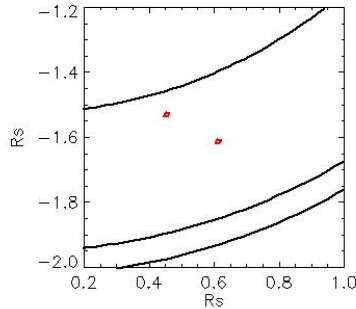
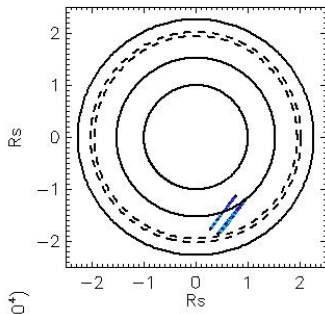
Observation Date:
2009_176_07_17_12

Observation Duration:
1400 S

Integration time = 100 S



— Phase
— Incidence
— Emission

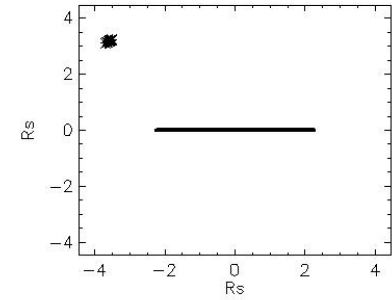
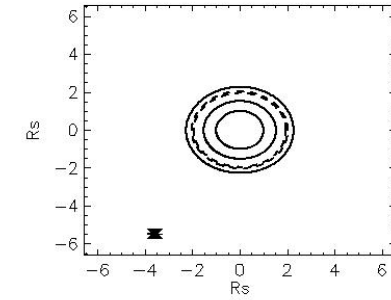
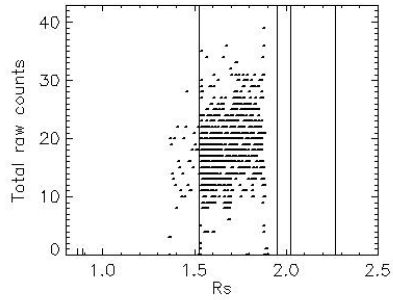
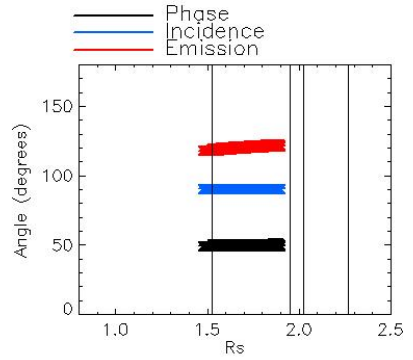
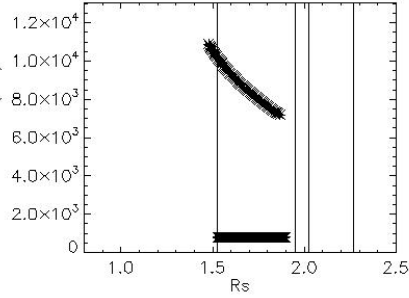
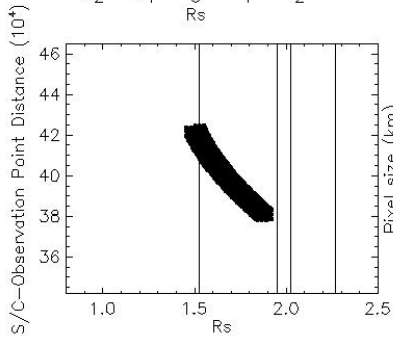


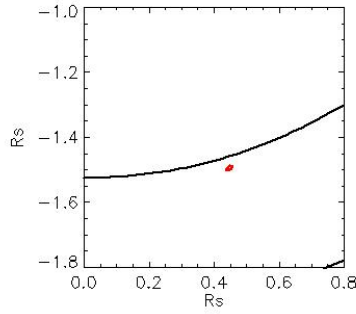
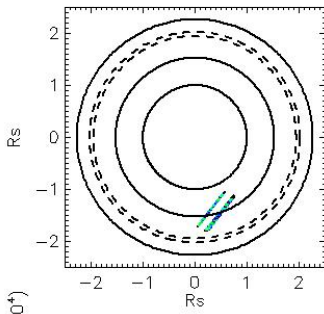
Observation Name:
UVS_113RLPREEQX001_VIMS

Observation Date:
2009_176_07_41_45

Observation Duration:
1400 S

Integration time = 100 S



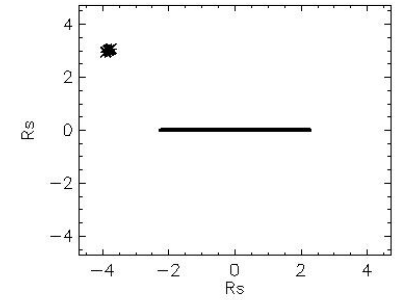
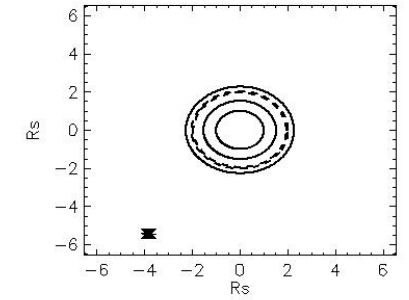
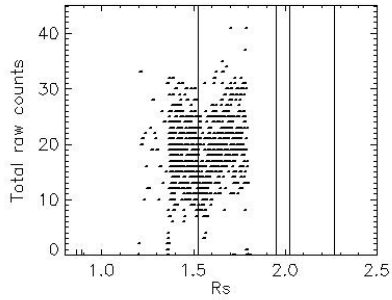
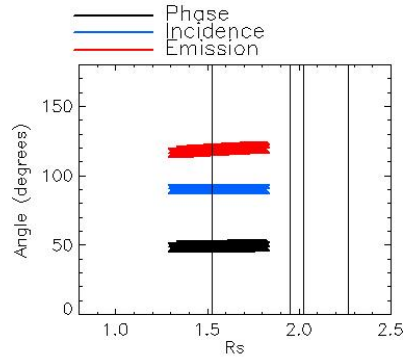
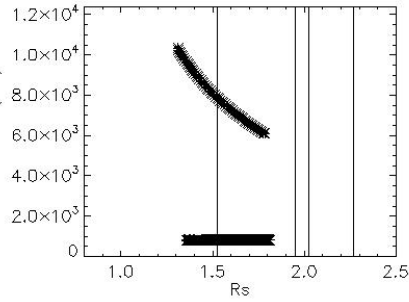
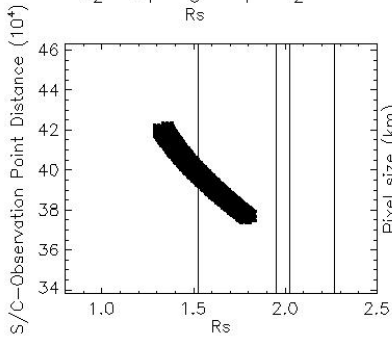


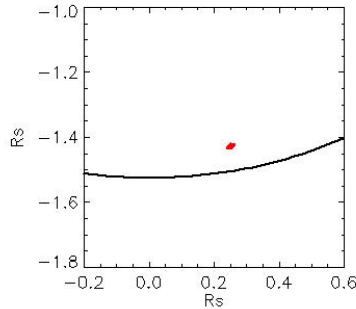
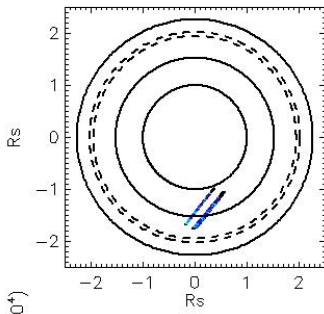
Observation Name:
UMS_113RLPREEQX001_VIMS

Observation Date:
2009_176_08_06_18

Observation Duration:
1400 S

Integration time = 100 S



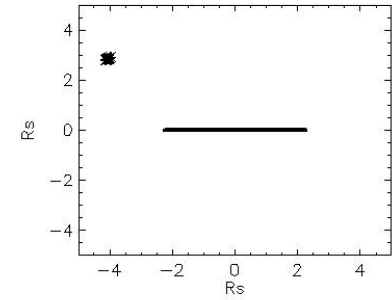
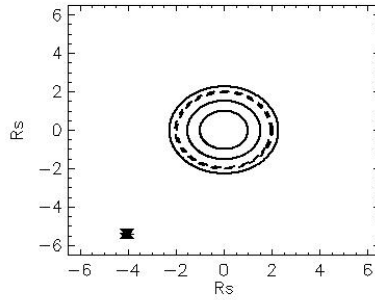
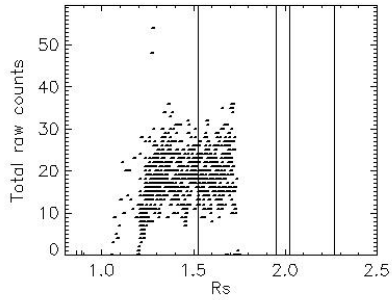
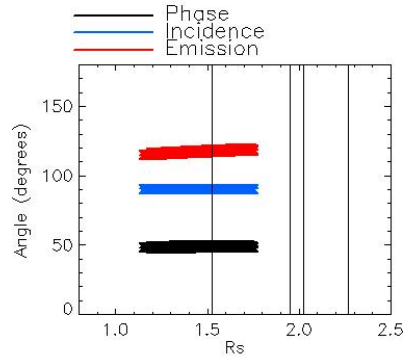
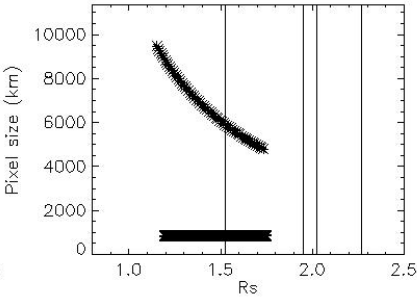
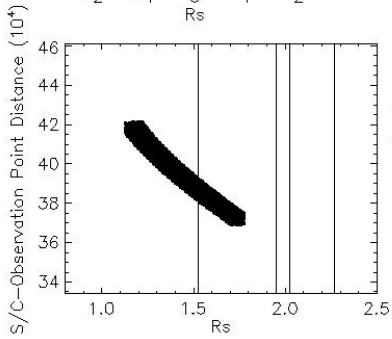


Observation Name:
UVS_113RLPREEQX001_VIMS

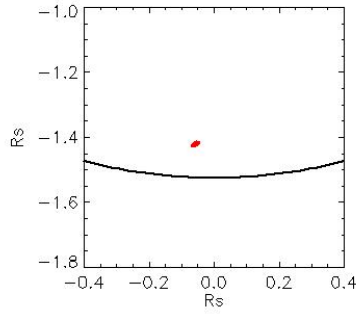
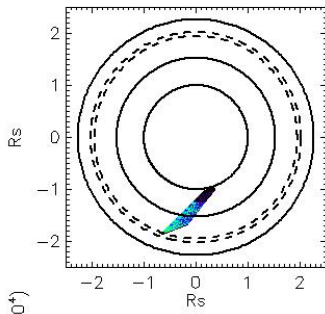
Observation Date:
2009_176_08_30_51

Observation Duration:
1400 S

Integration time = 100 S



— Phase
— Incidence
— Emission

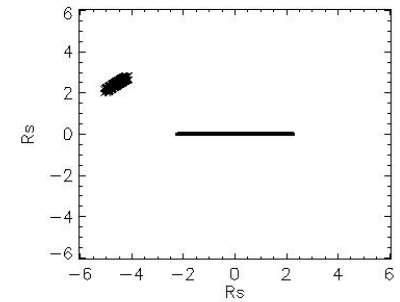
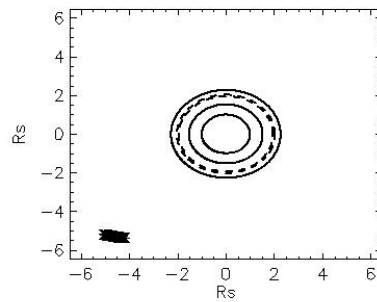
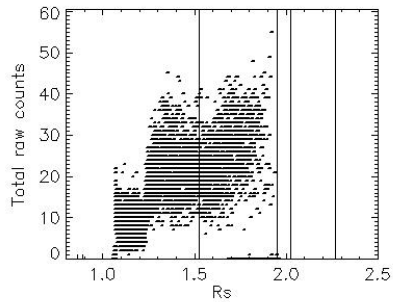
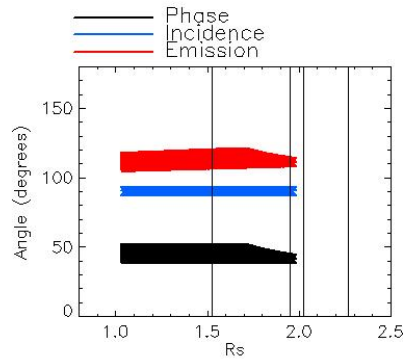
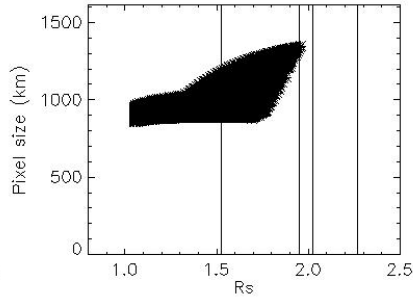
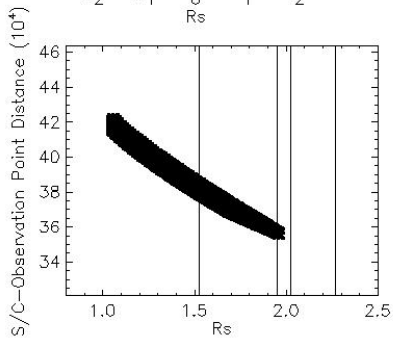


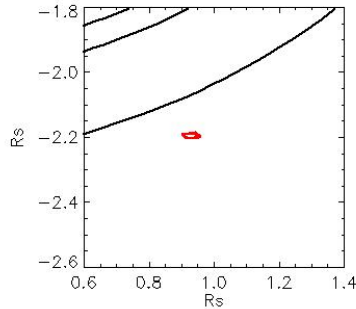
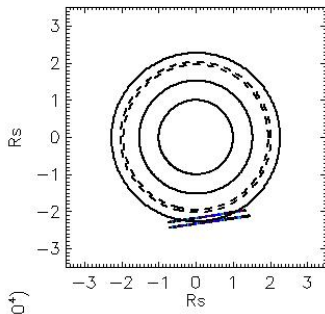
Observation Name:
UMS_113RLPREEQX001_VIMS

Observation Date:
2009_176_08_55_24

Observation Duration:
6200 S

Integration time = 100 S



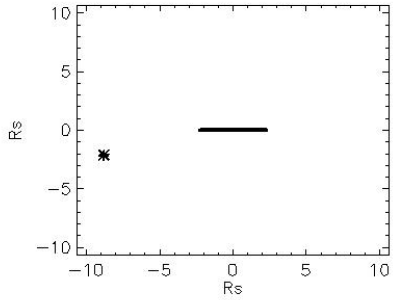
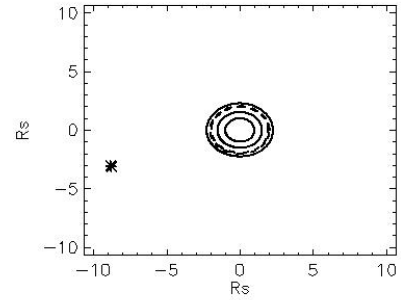
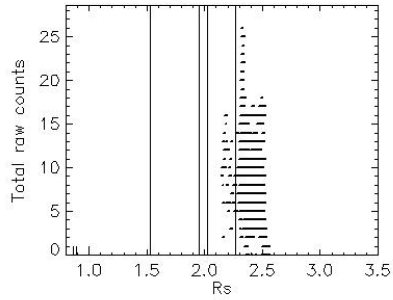
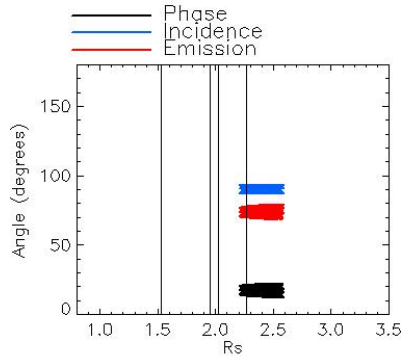
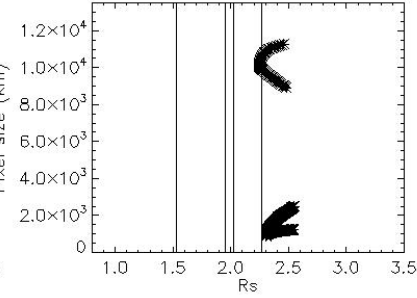
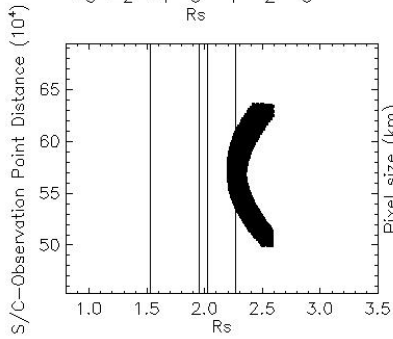


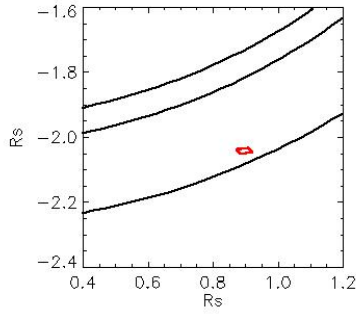
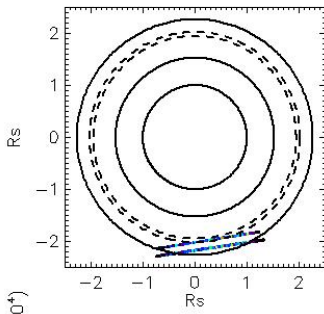
Observation Name:
UMS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_20_17_33

Observation Duration:
1400 S

Integration time = 100 S



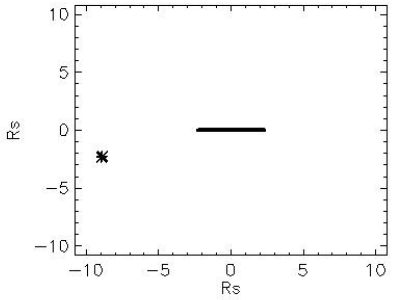
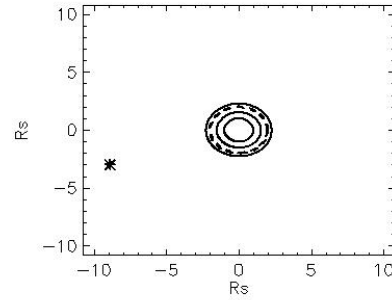
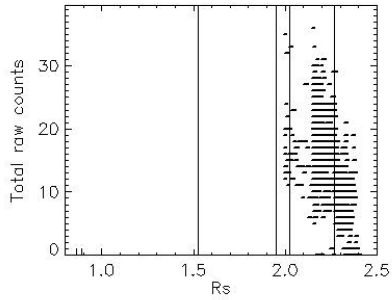
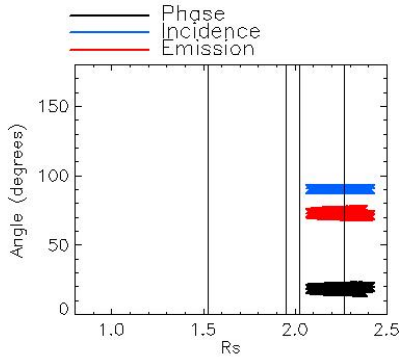
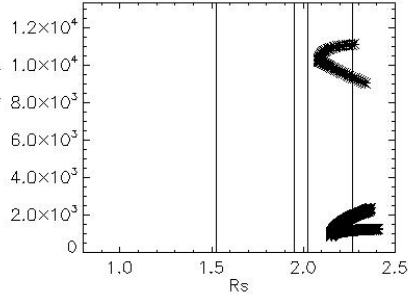
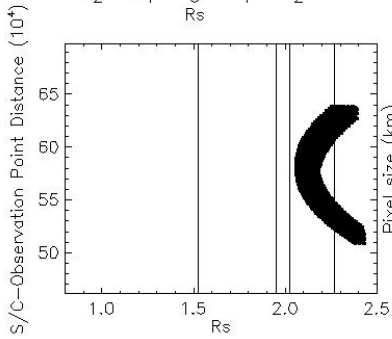


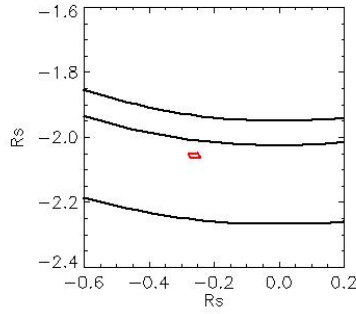
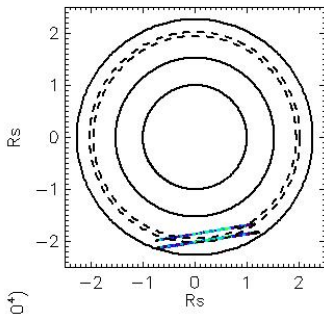
Observation Name:
UVS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_20_41_48

Observation Duration:
1400 S

Integration time = 100 S



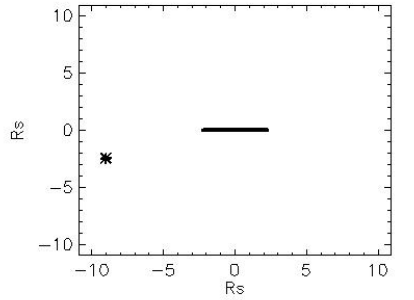
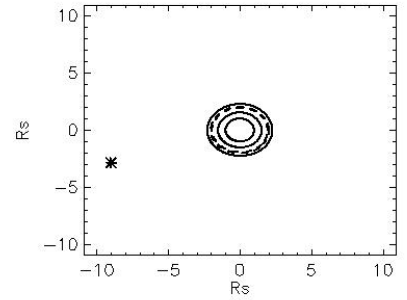
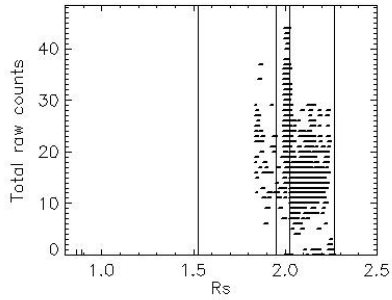
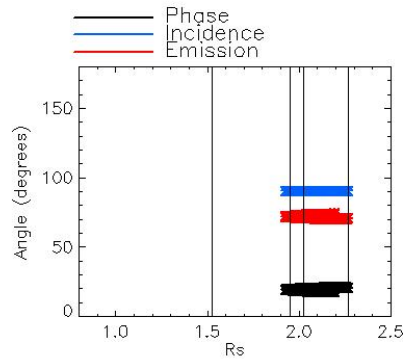
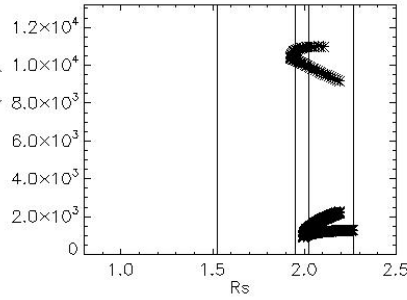
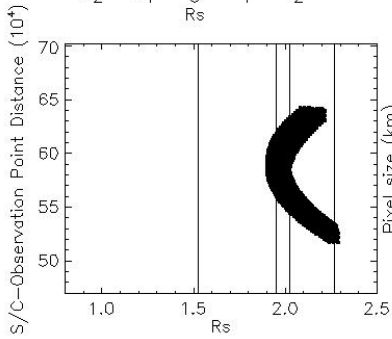


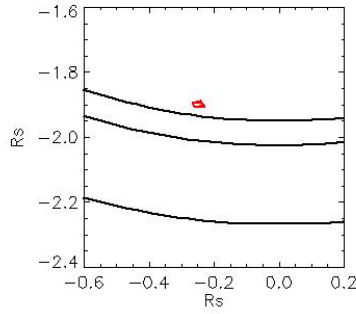
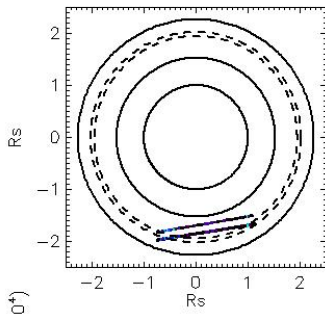
Observation Name:
UMS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_21_06_02

Observation Duration:
1400 S

Integration time = 100 S



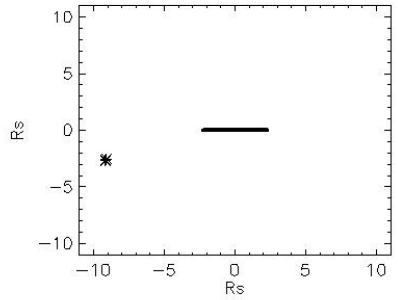
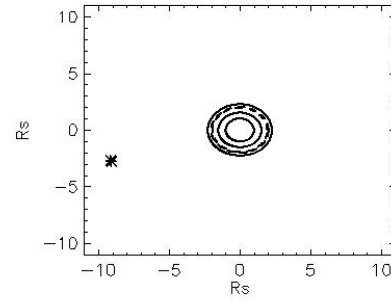
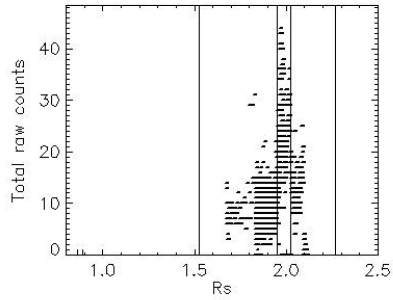
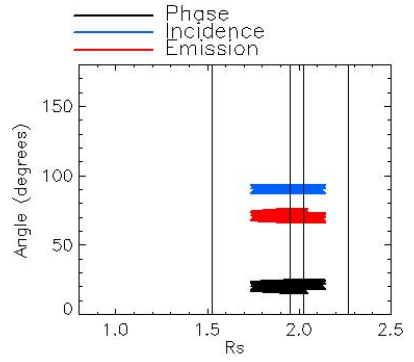
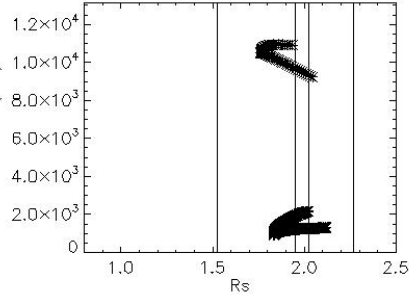
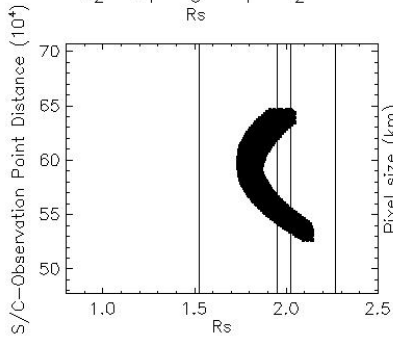


Observation Name:
UMS_113RLCOMPL0DRK001_VIMS

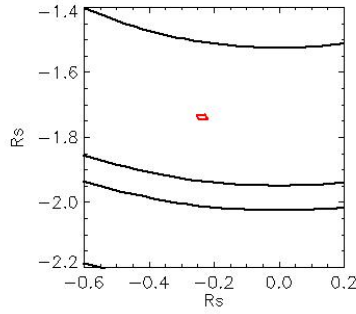
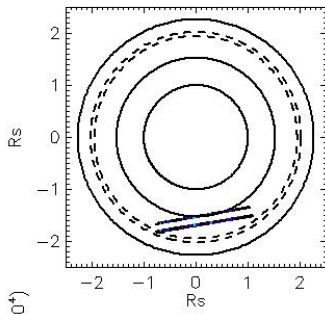
Observation Date:
2009_176_21_30_16

Observation Duration:
1400 S

Integration time = 100 S



— Phase
— Incidence
— Emission

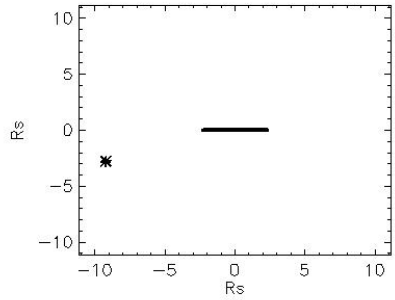
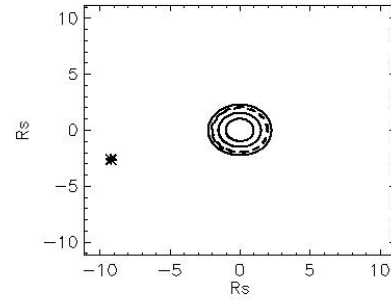
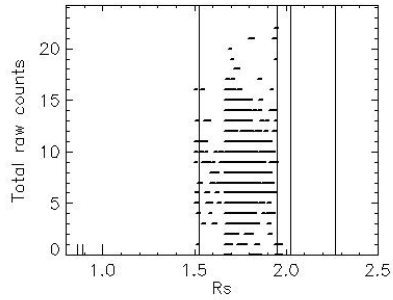
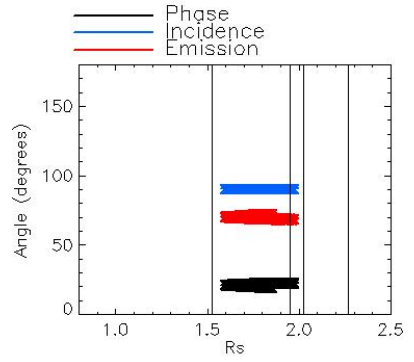
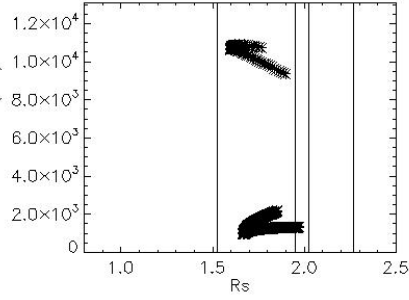
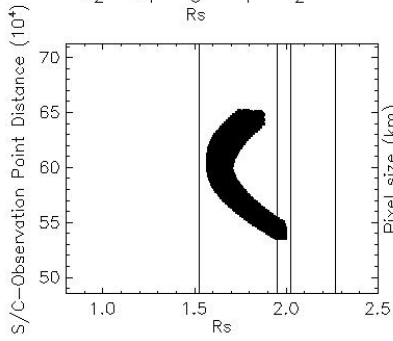


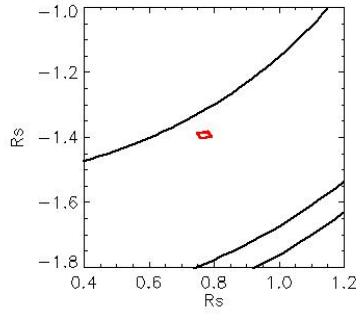
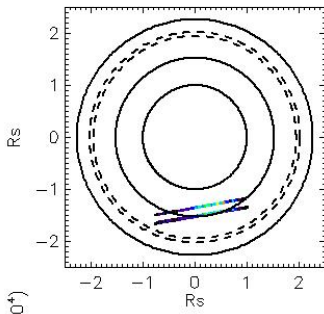
Observation Name:
UMS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_21_54_30

Observation Duration:
1400 S

Integration time = 100 S



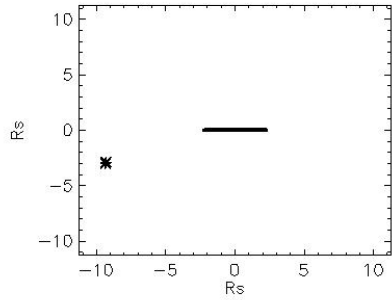
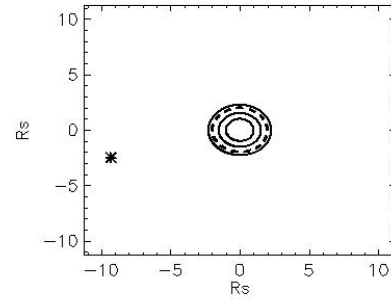
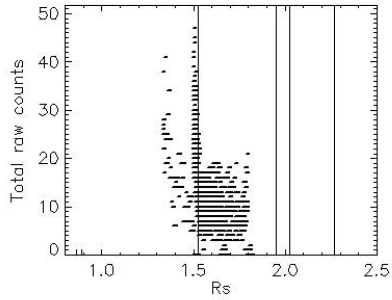
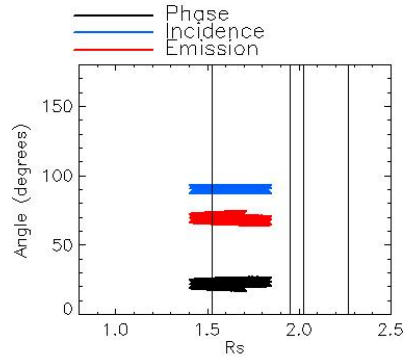
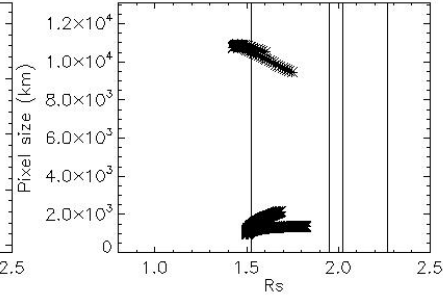
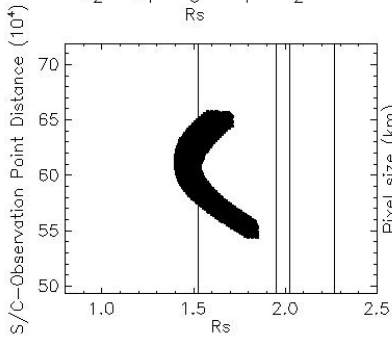


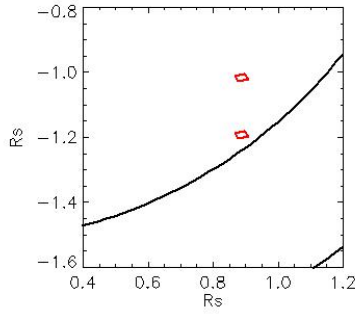
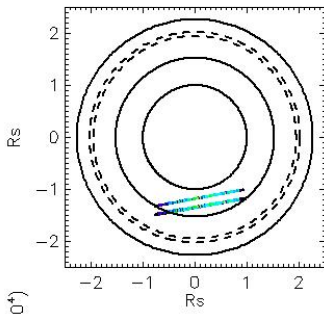
Observation Name:
UVS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_22_18_44

Observation Duration:
1400 S

Integration time = 100 S



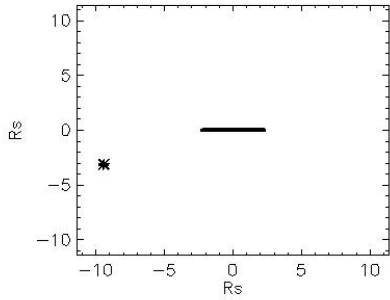
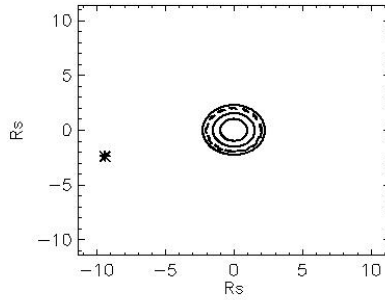
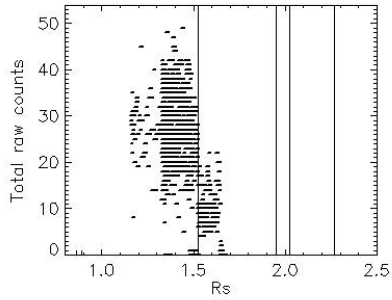
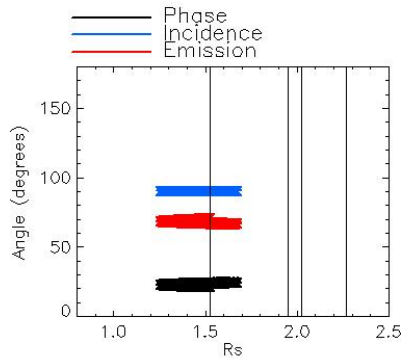
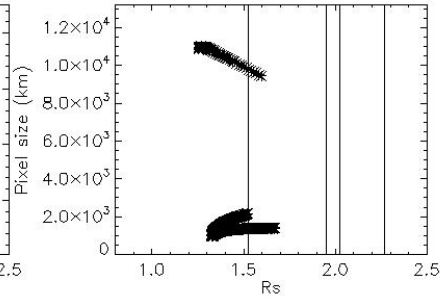
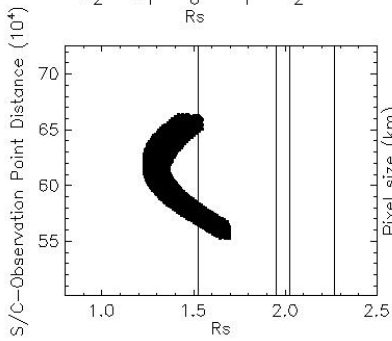


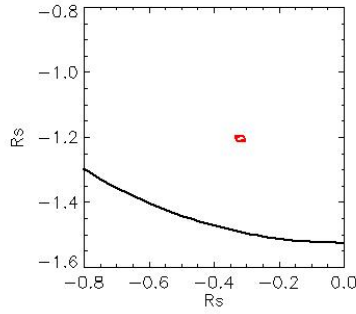
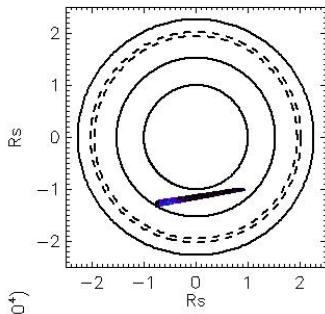
Observation Name:
UMS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_22_42_58

Observation Duration:
1400 S

Integration time = 100 S



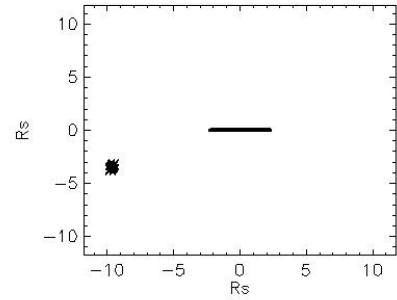
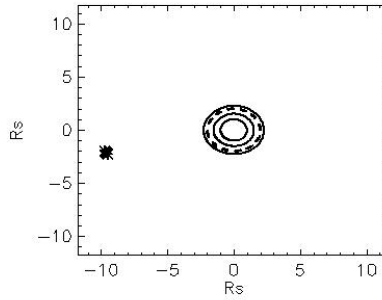
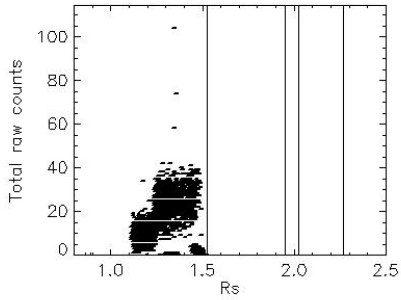
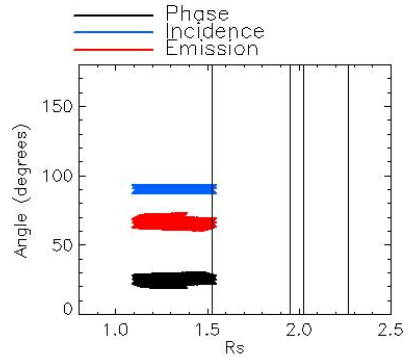
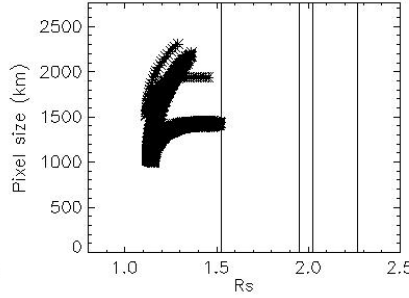
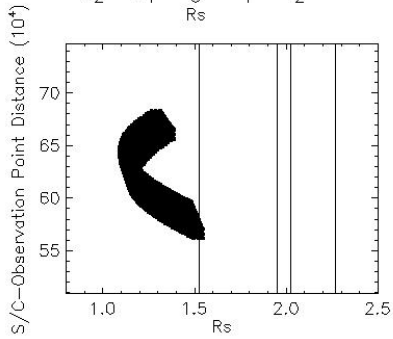


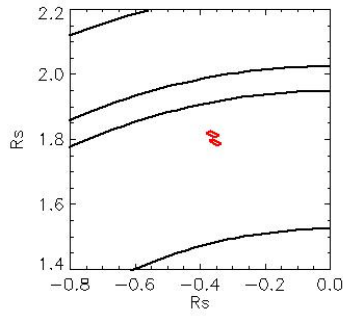
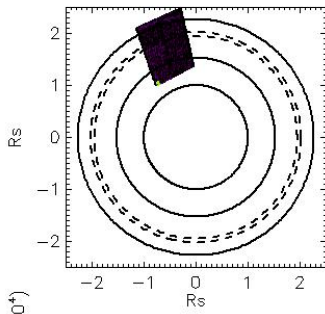
Observation Name:
UMS_113RLCOMPLDRK001_VIMS

Observation Date:
2009_176_23_07_12

Observation Duration:
5000 S

Integration time = 100 S



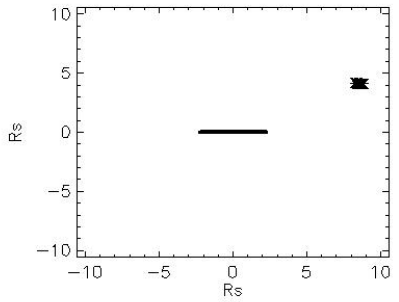
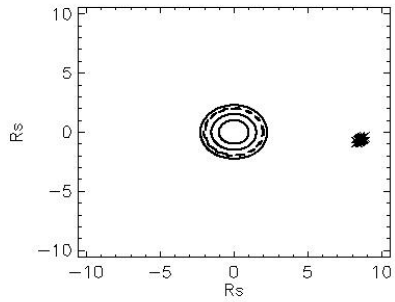
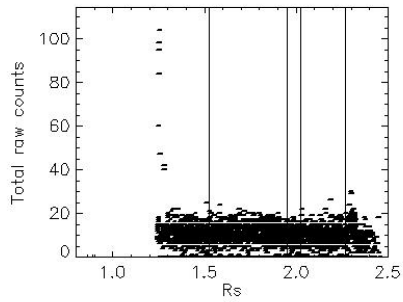
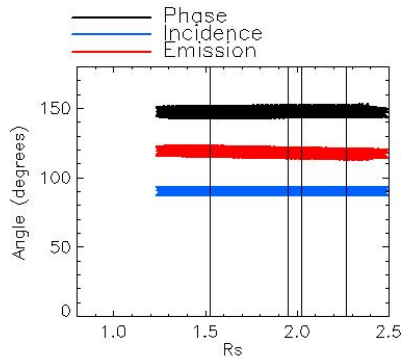
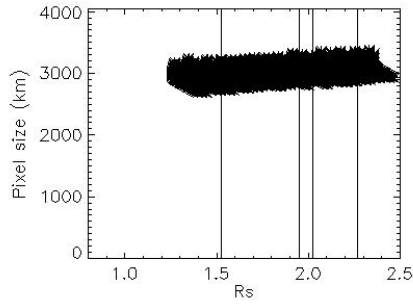
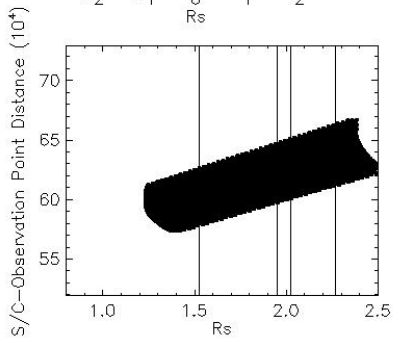


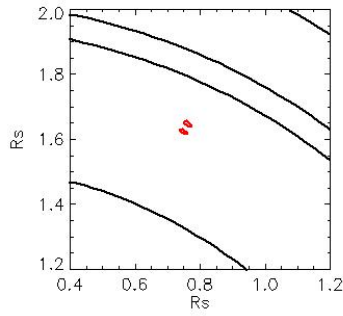
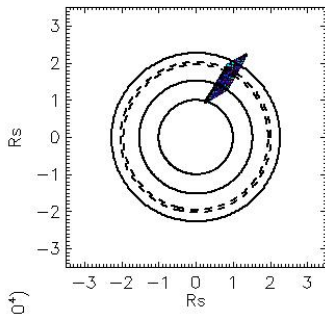
Observation Name:
UMS_114RLEQLBS001_CIRS

Observation Date:
2009_191_06_01_33

Observation Duration:
4300 S

Integration time = 100 S



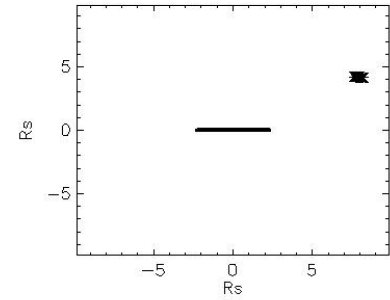
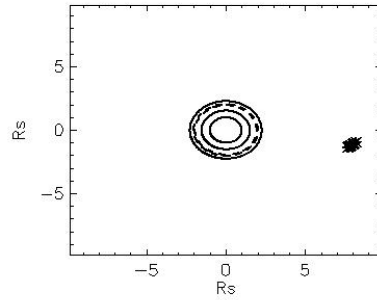
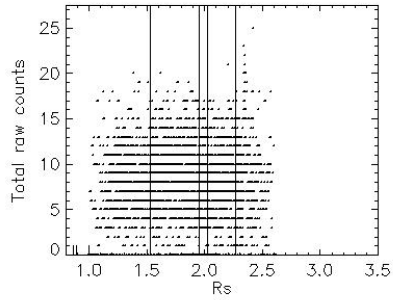
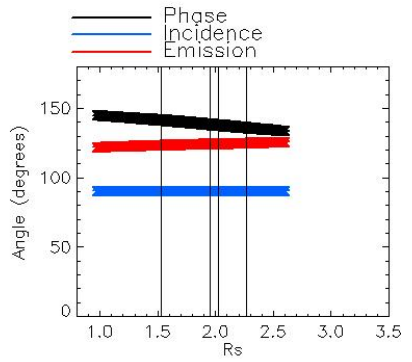
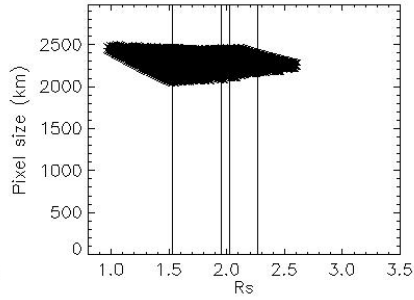
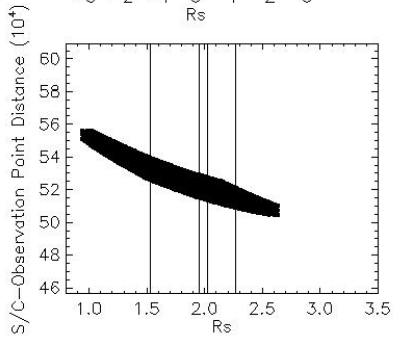


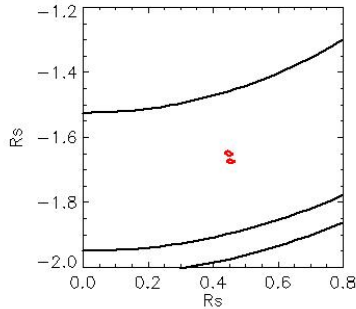
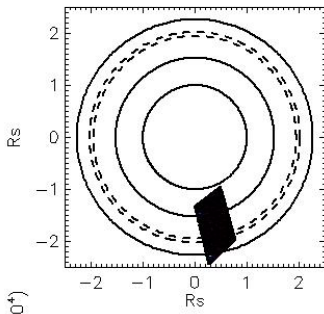
Observation Name:
UVS_114RLEQLBS001_CIRS

Observation Date:
2009_191_07_20_33

Observation Duration:
4300 S

Integration time = 100 S



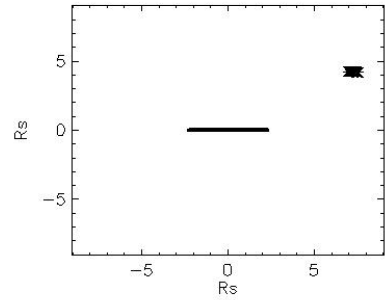
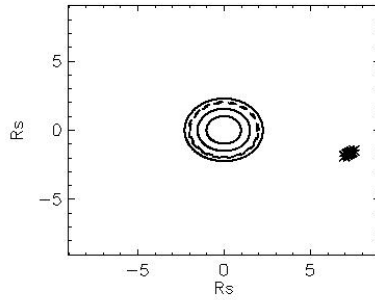
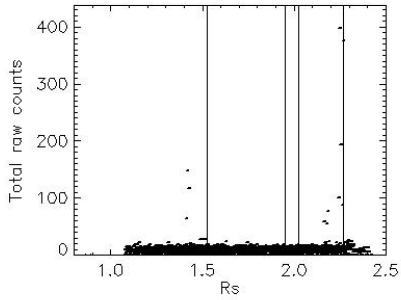
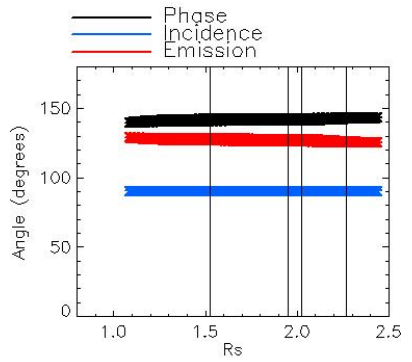
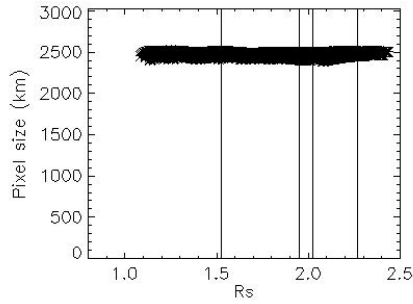
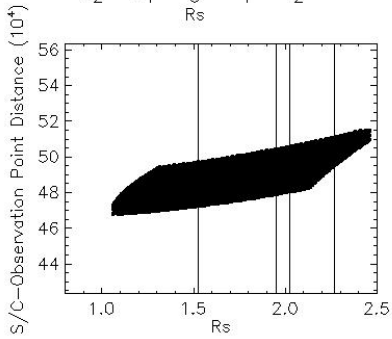


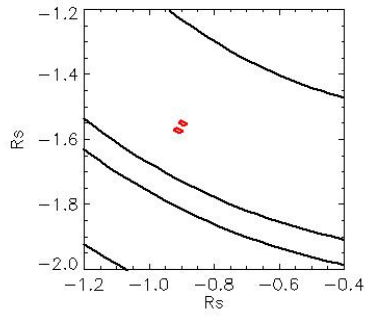
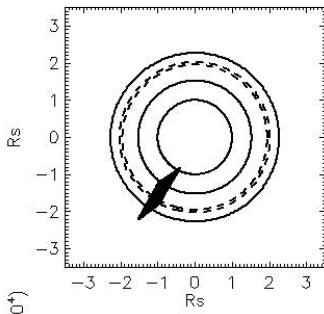
Observation Name:
UVS_114RLEQLBS001_CIRS

Observation Date:
2009_191_08_41_33

Observation Duration:
4200 S

Integration time = 100 S



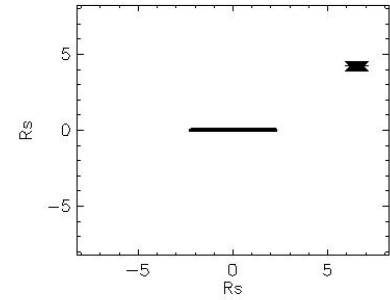
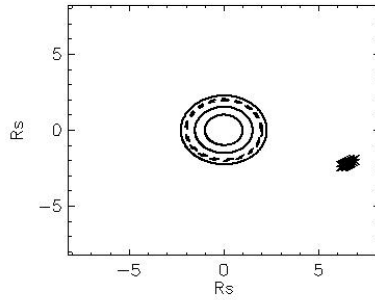
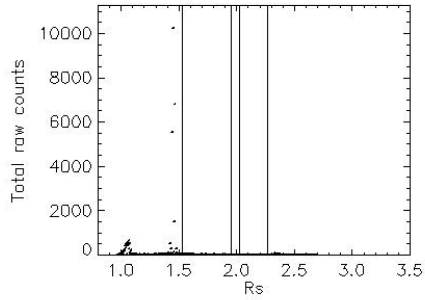
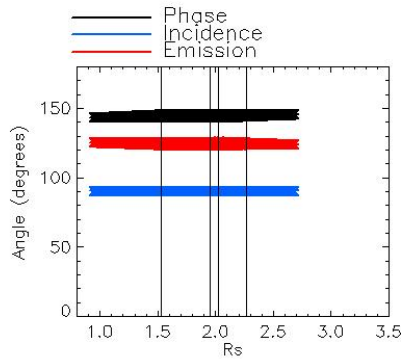
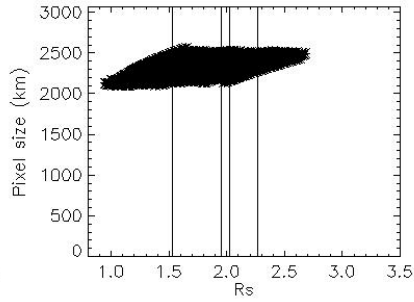
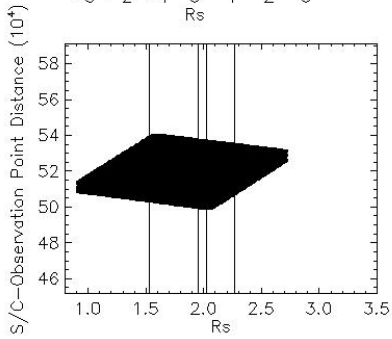


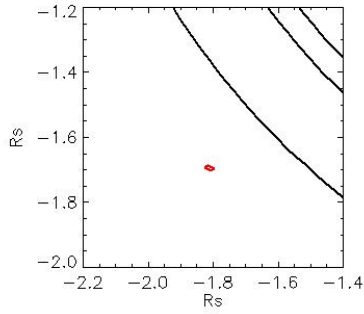
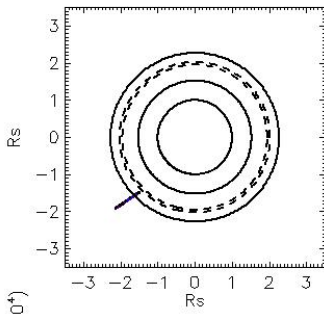
Observation Name:
UMS_114RLEQLBS001_CIRS

Observation Date:
2009_191_09_58_33

Observation Duration:
4300 S

Integration time = 100 S



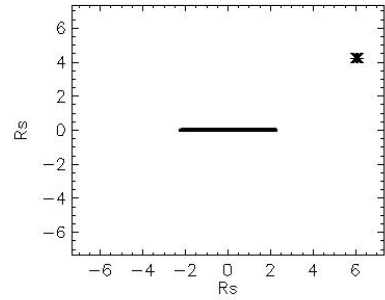
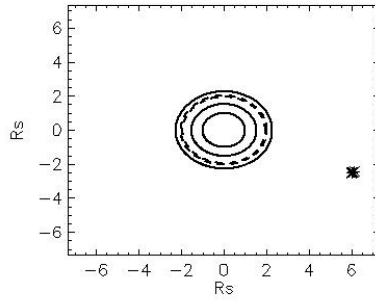
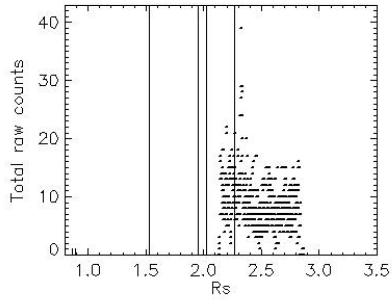
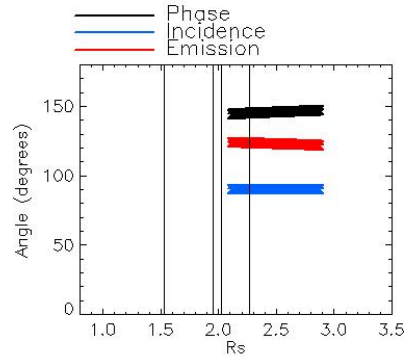
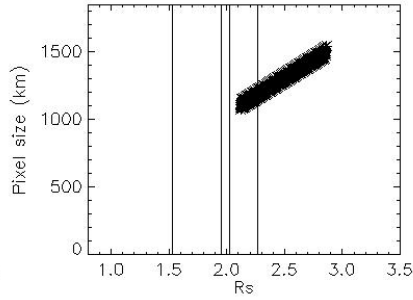
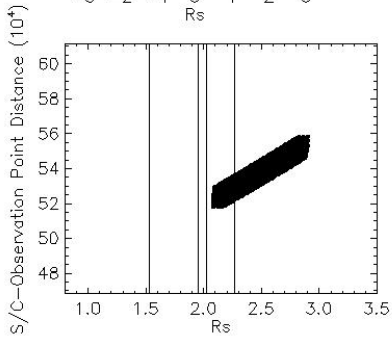


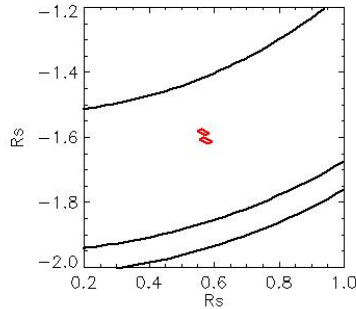
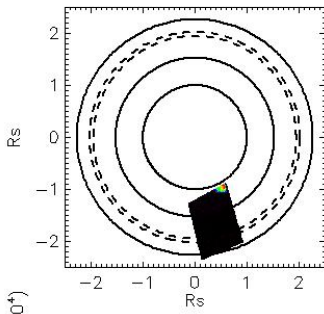
Observation Name:
UMS_114RLEQLBS001_CIRS

Observation Date:
2009_191_11_16_33

Observation Duration:
800 S

Integration time = 100 S



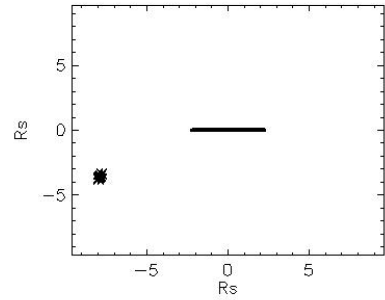
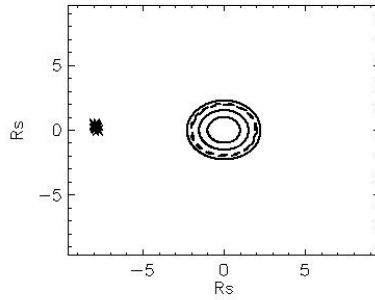
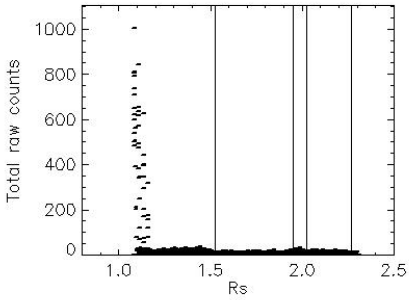
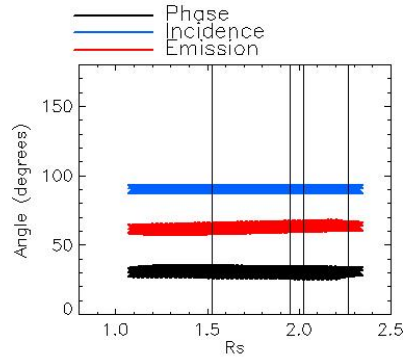
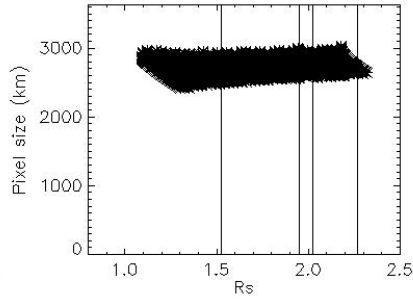
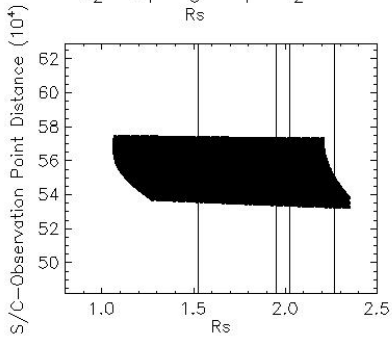


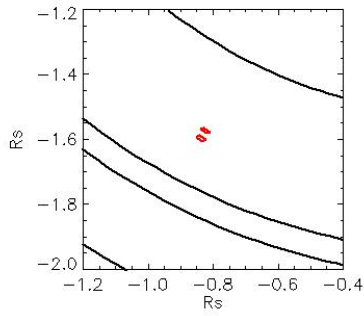
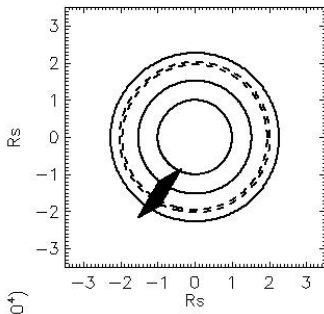
Observation Name:
UWS_114RLEQLBS002_CIRS

Observation Date:
2009_192_10_49_32

Observation Duration:
4300 S

Integration time = 100 S



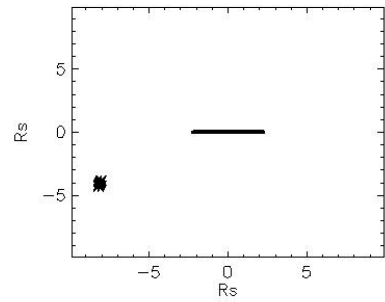
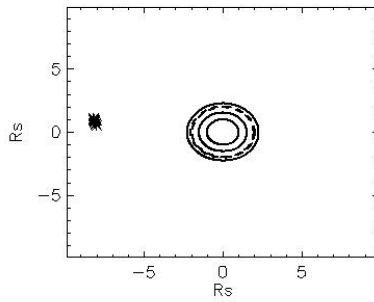
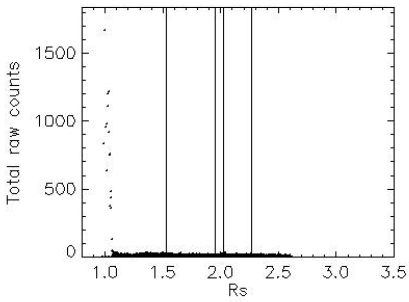
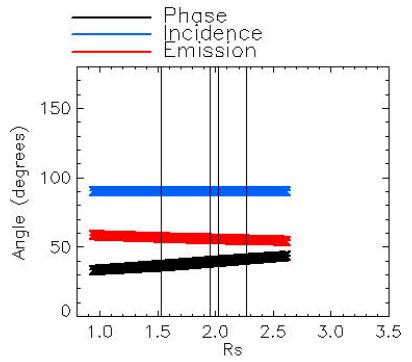
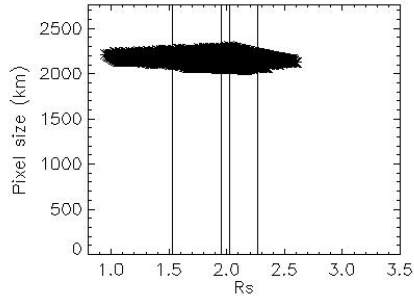
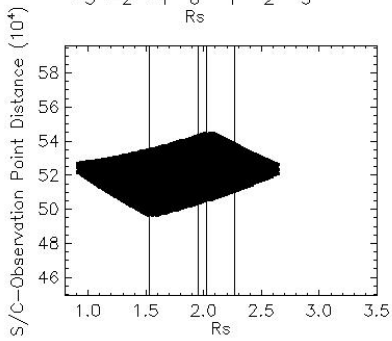


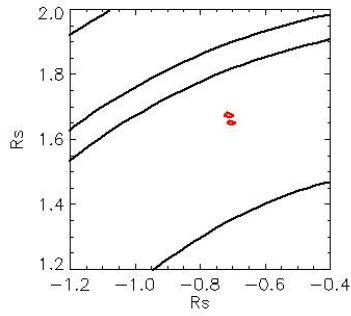
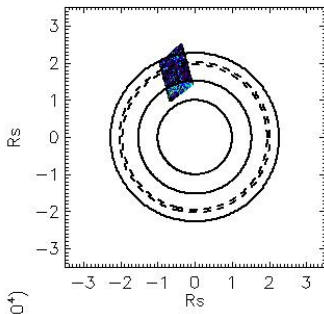
Observation Name:
UMS_114RLEQLBS002_CIRS

Observation Date:
2009_192_12_08_32

Observation Duration:
4300 S

Integration time = 100 S



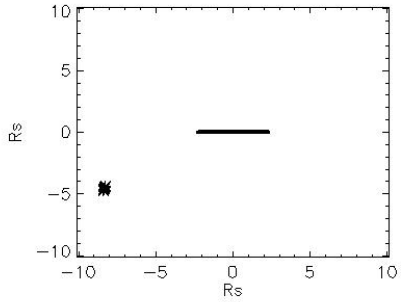
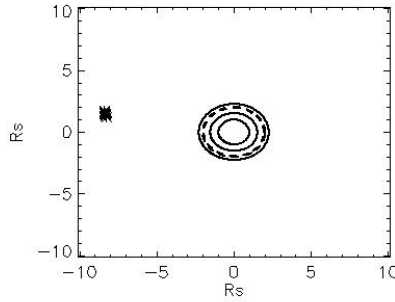
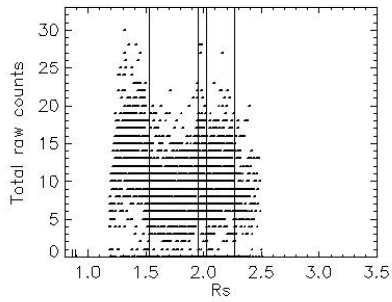
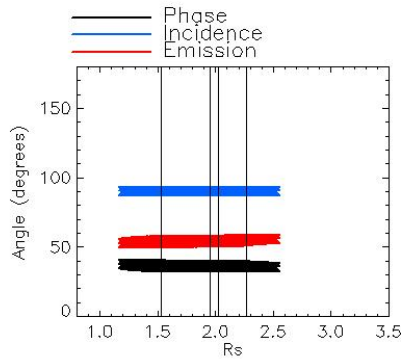
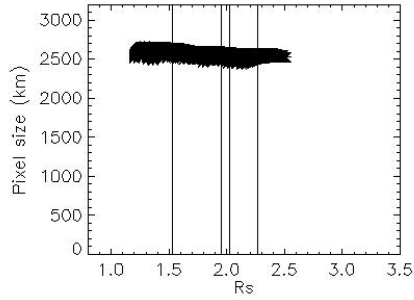
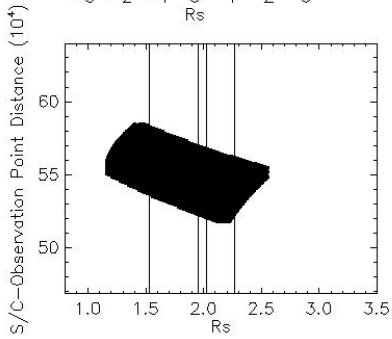


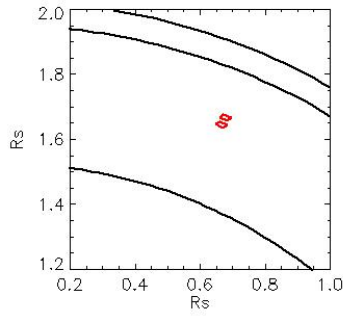
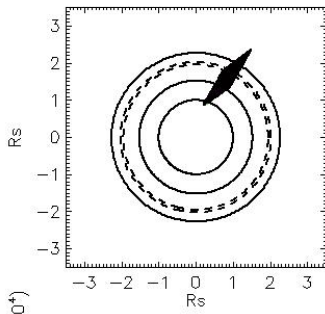
Observation Name:
UMS_114RLEQLBS002_CIRS

Observation Date:
2009_192_13_29_32

Observation Duration:
4200 S

Integration time = 100 S



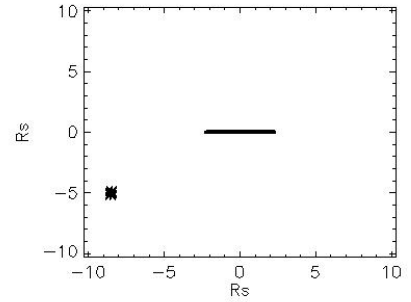
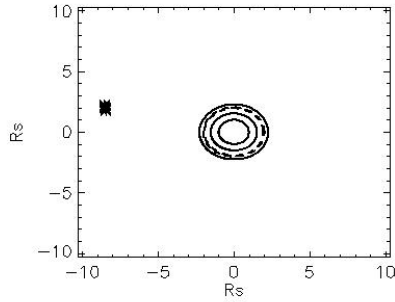
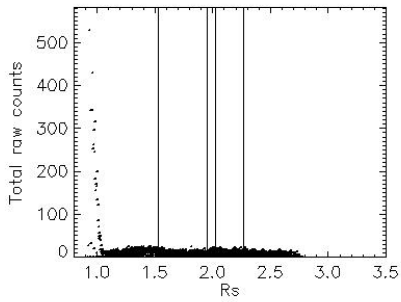
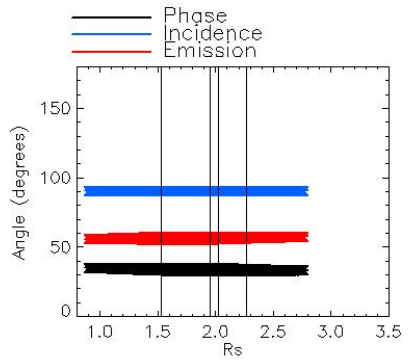
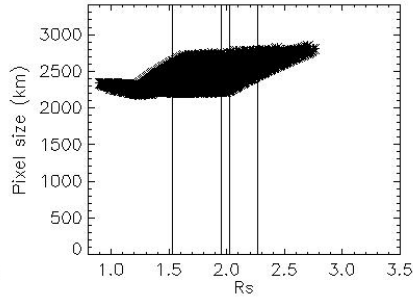
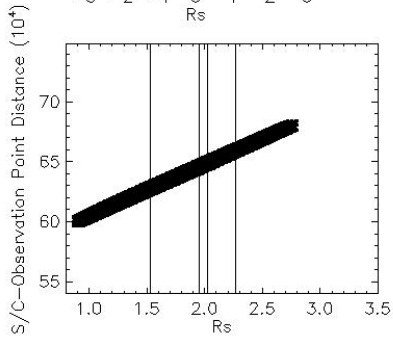


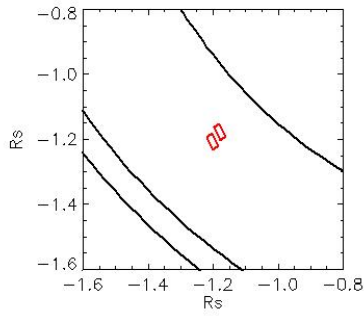
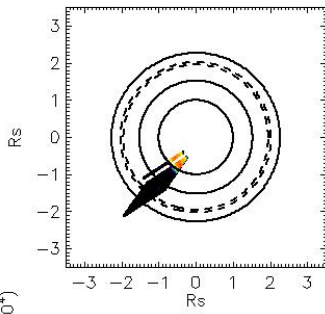
Observation Name:
UMS_114RLEQLBS002_CIRS

Observation Date:
2009_192_14_46_32

Observation Duration:
4300 S

Integration time = 100 S



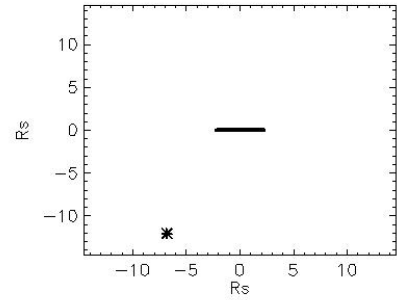
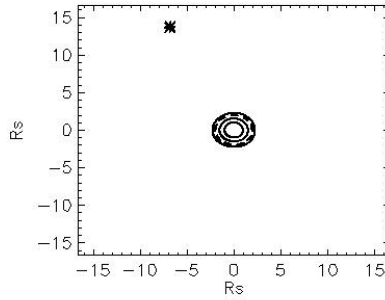
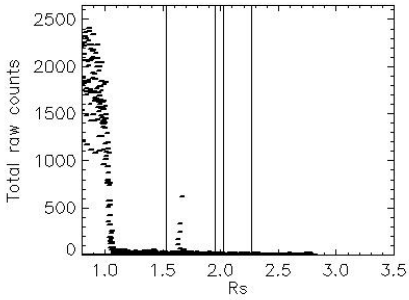
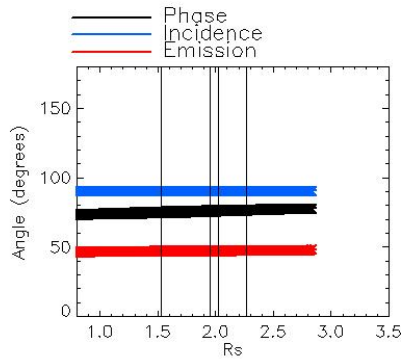
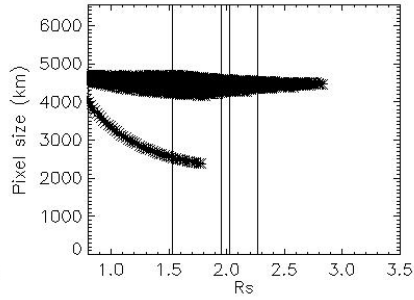
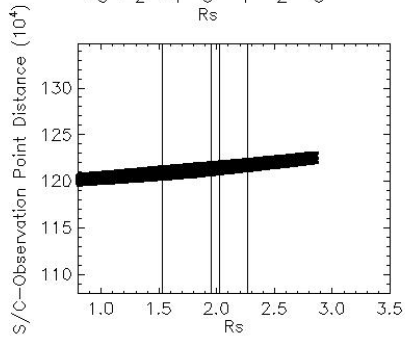


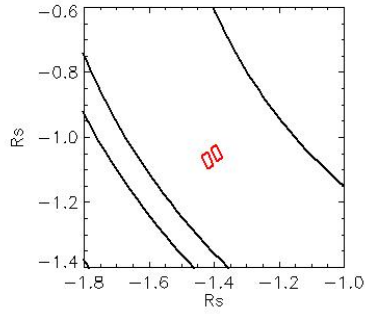
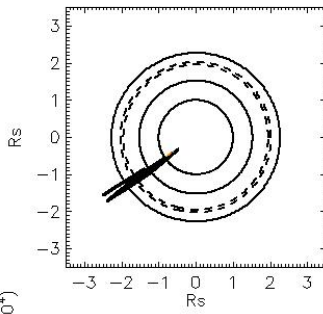
Observation Name:
UVS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_193_21_31_32

Observation Duration:
3000 S

Integration time = 100 S



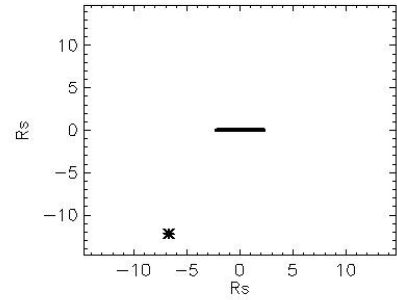
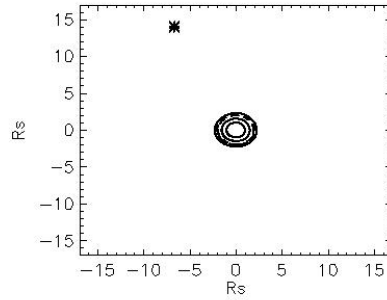
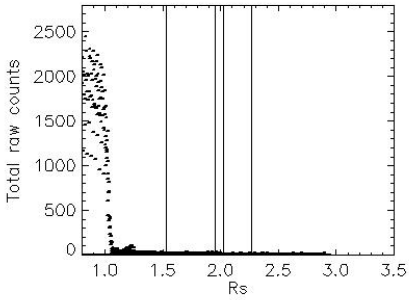
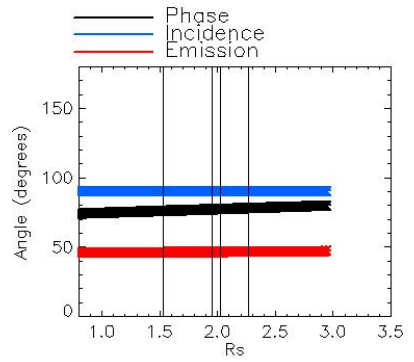
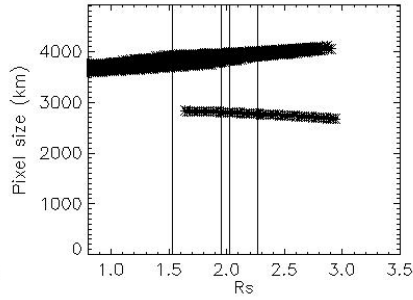
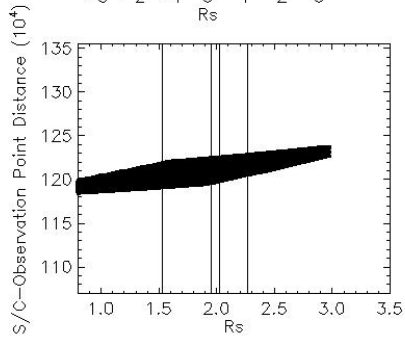


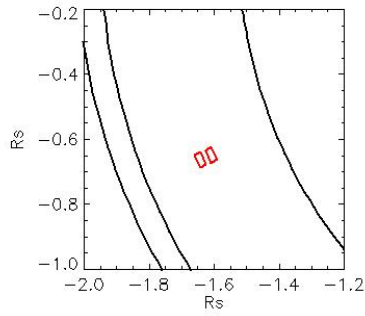
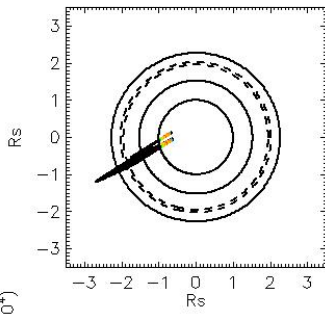
Observation Name:
UVS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_193_22_23_32

Observation Duration:
3000 S

Integration time = 100 S



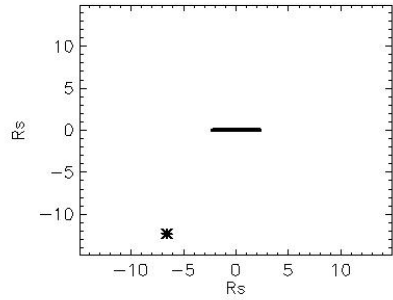
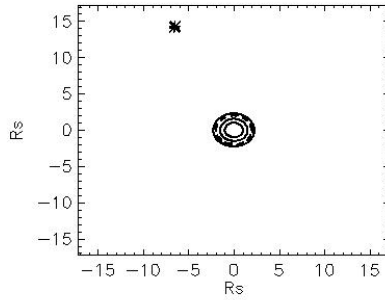
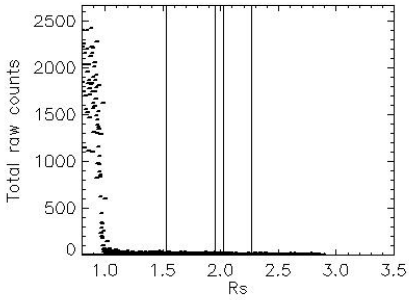
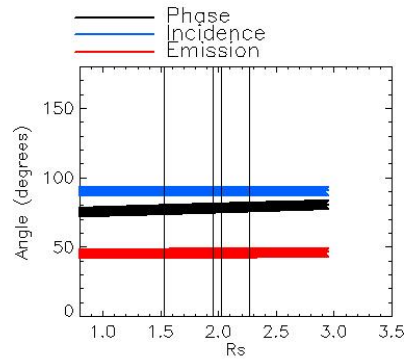
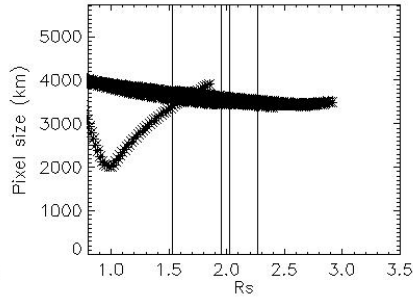
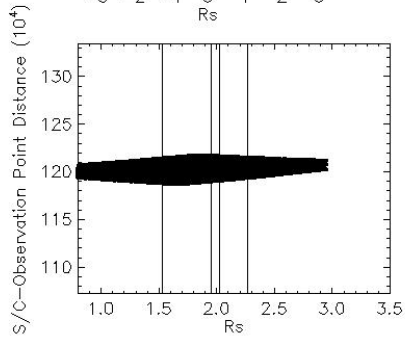


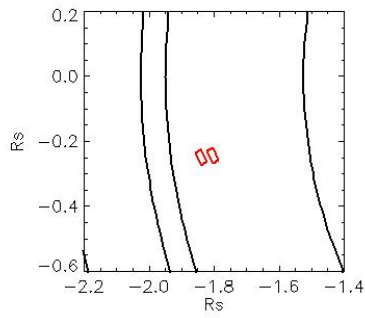
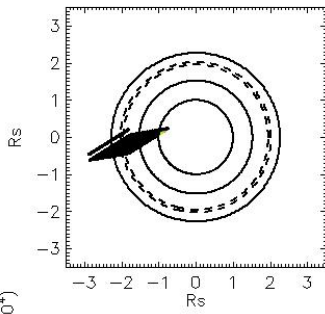
Observation Name:
UVS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_193_23_15_32

Observation Duration:
3000 S

Integration time = 100 S



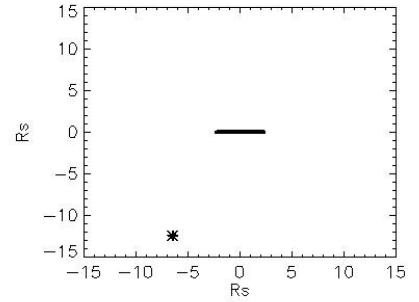
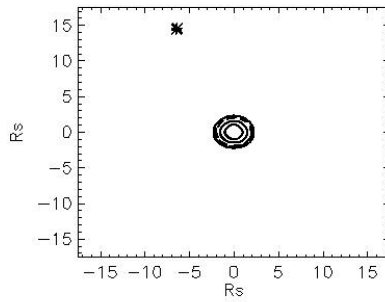
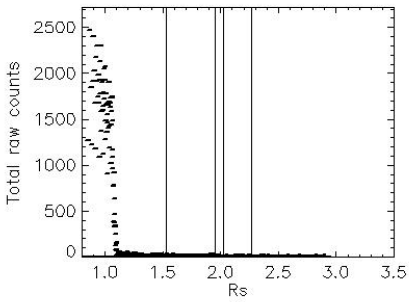
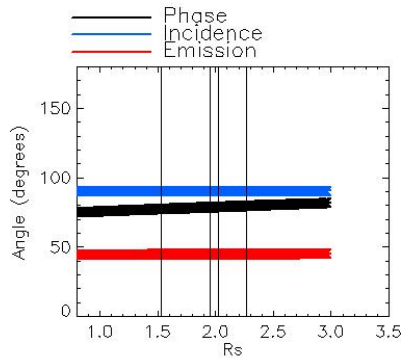
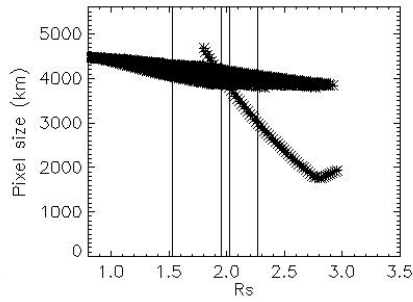
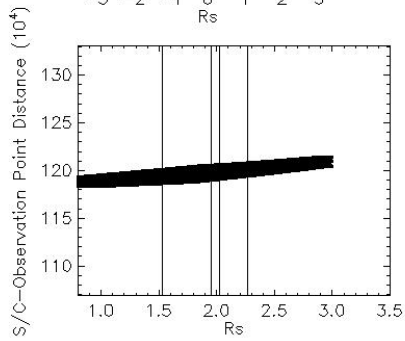


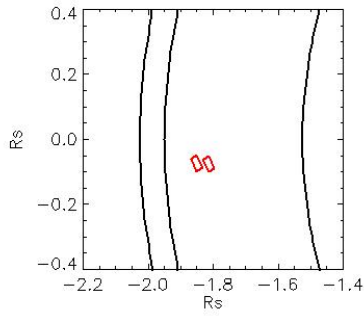
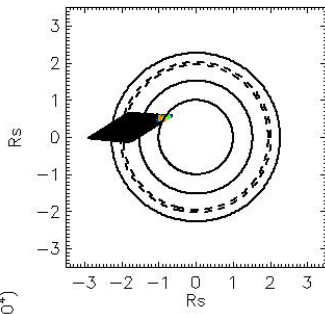
Observation Name:
UVS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_194_00_07_32

Observation Duration:
3000 S

Integration time = 100 S



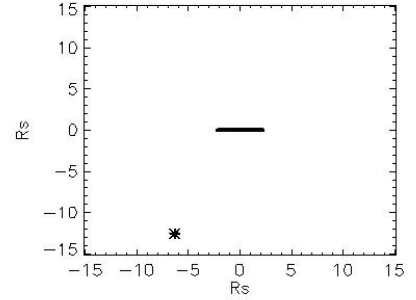
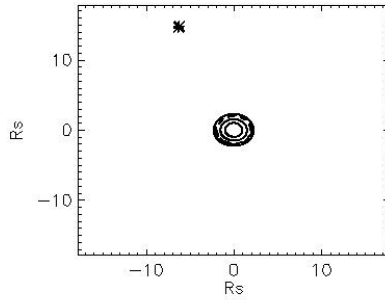
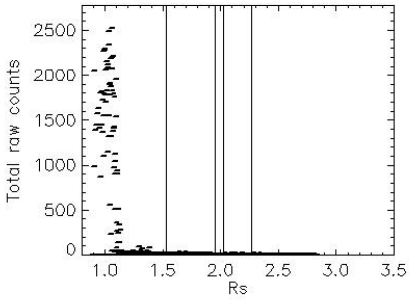
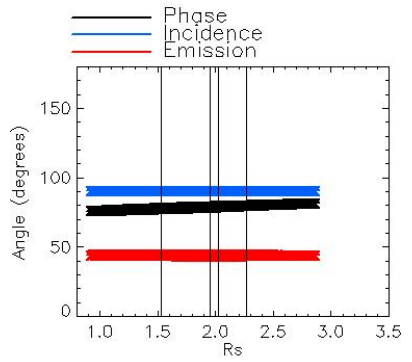
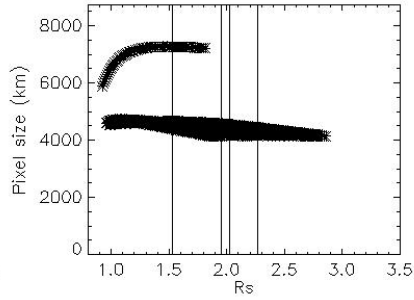
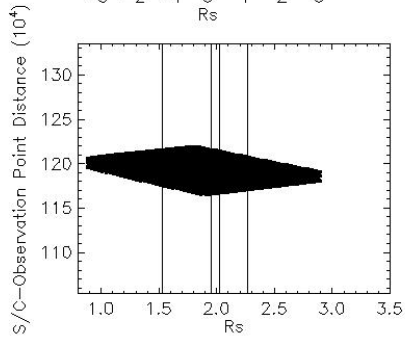


Observation Name:
UVIS_114RLTMAPN45MP001_CIRS

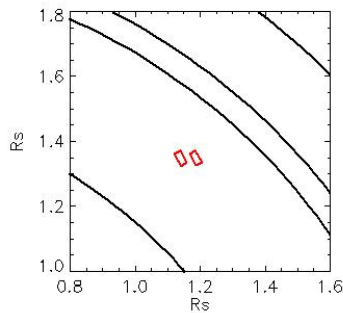
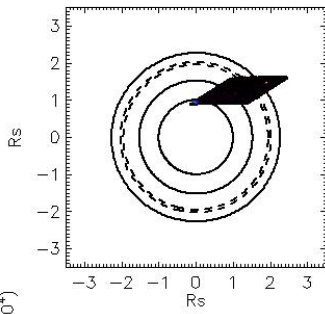
Observation Date:
2009_194_00_59_32

Observation Duration:
3000 S

Integration time = 100 S



— Phase
— Incidence
— Emission

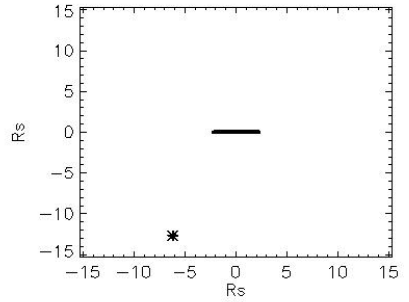
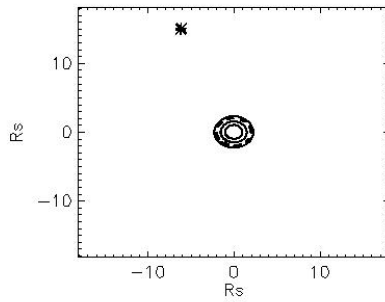
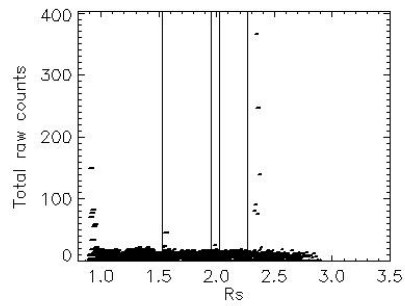
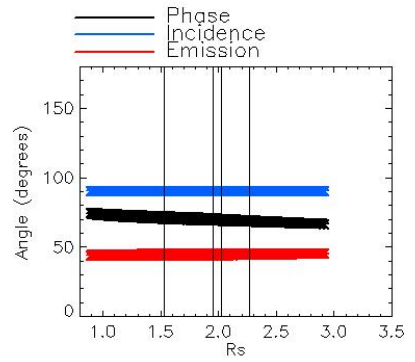
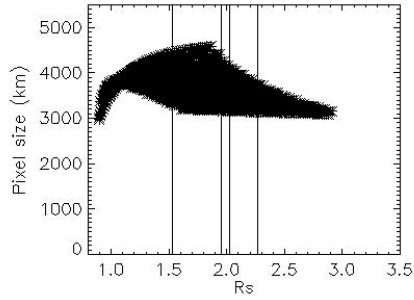
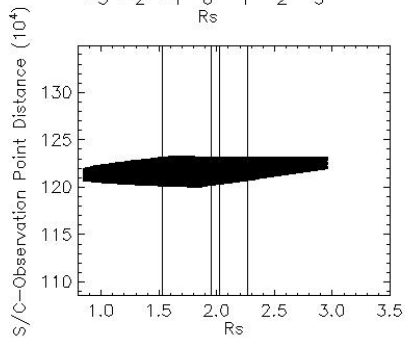


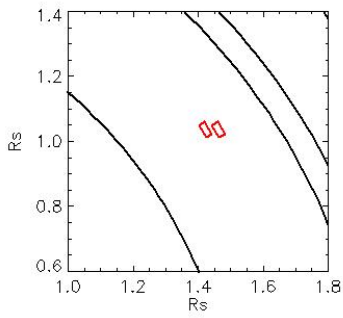
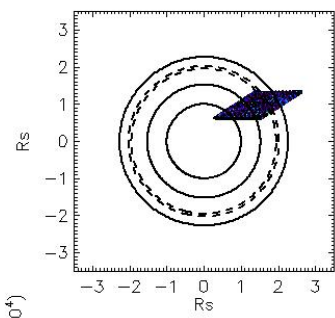
Observation Name:
UVIS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_194_01_54_32

Observation Duration:
3400 S

Integration time = 100 S



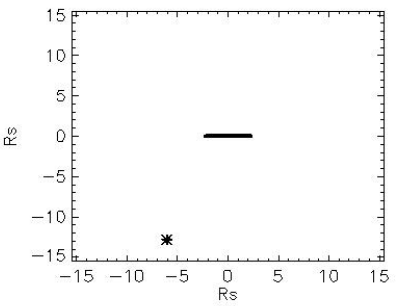
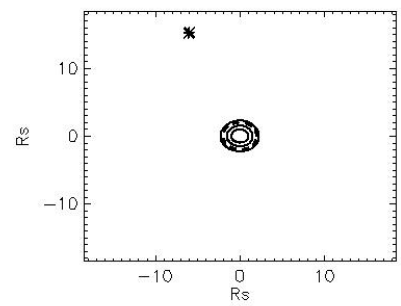
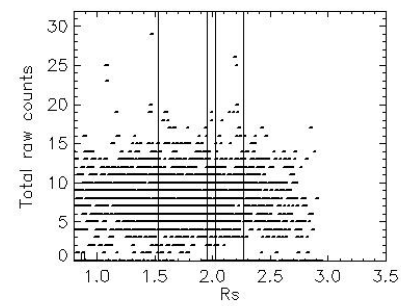
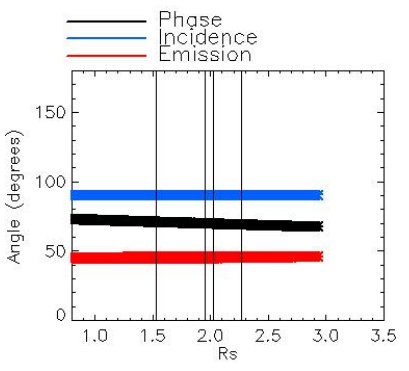
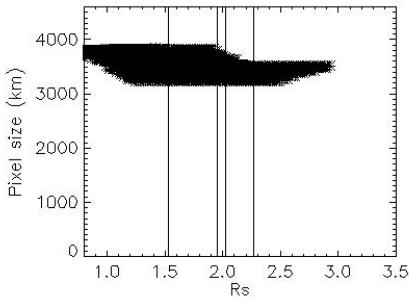
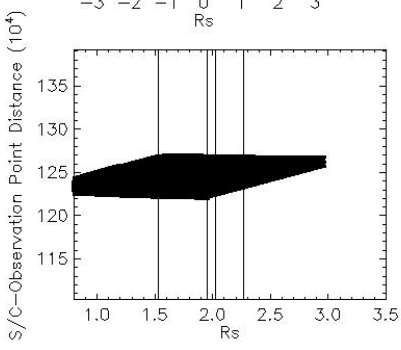


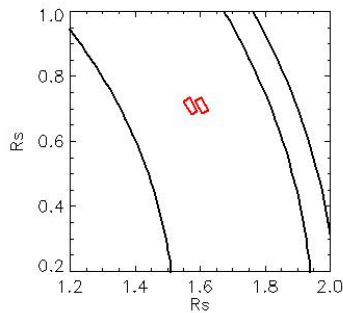
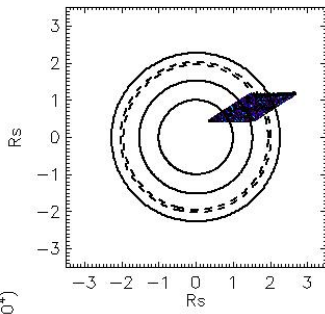
Observation Name:
UVIS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_194_02_53_32

Observation Duration:
3100 S

Integration time = 100 S



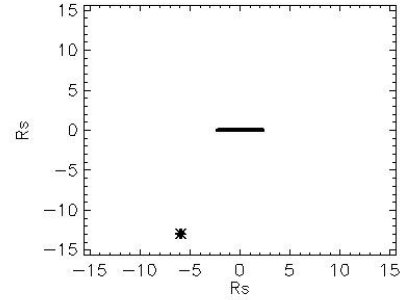
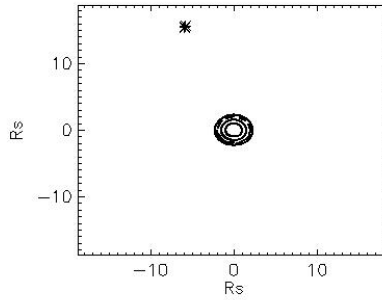
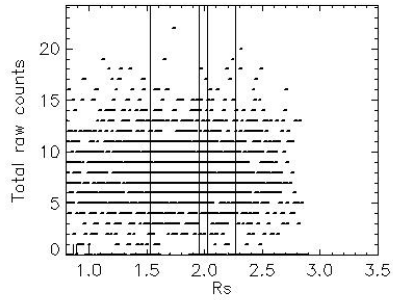
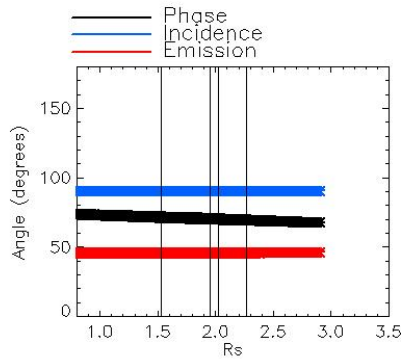
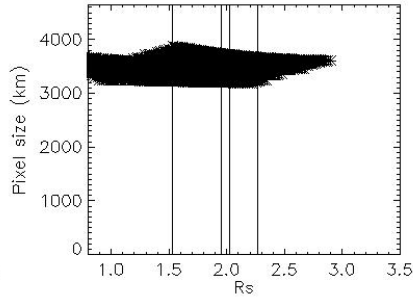
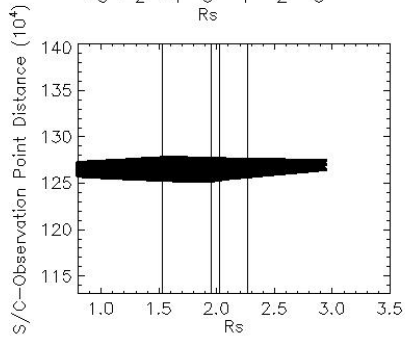


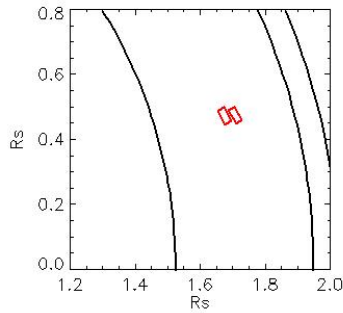
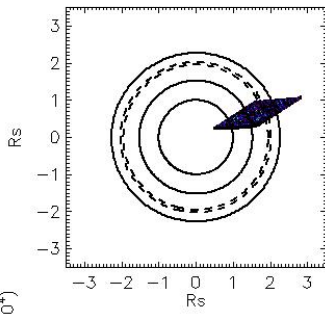
Observation Name:
UVIS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_194_03_47_32

Observation Duration:
3200 S

Integration time = 100 S



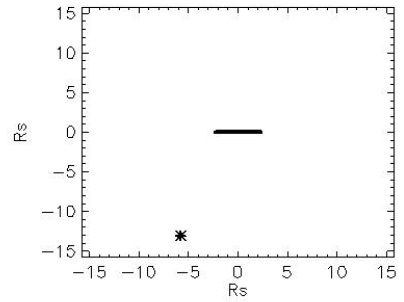
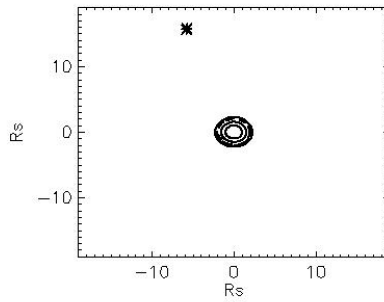
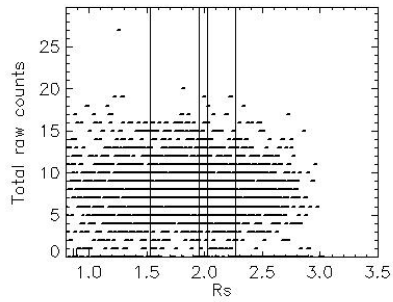
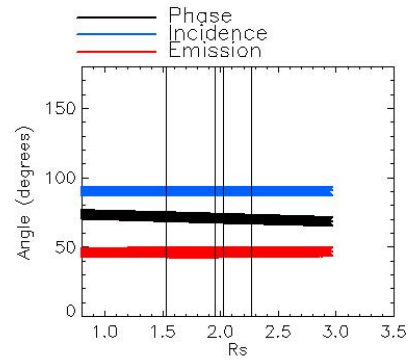
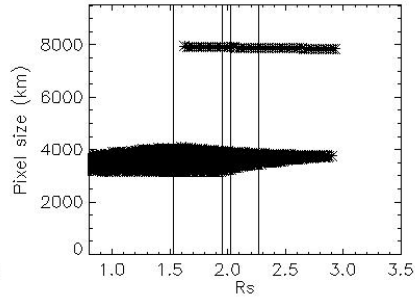
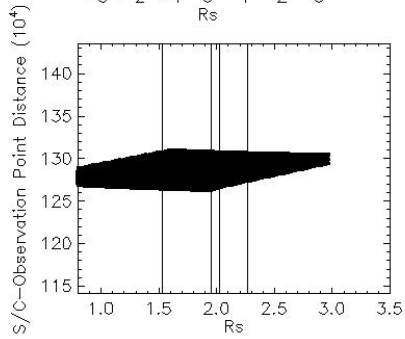


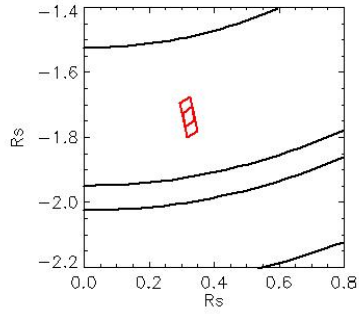
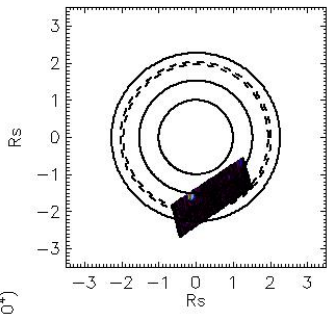
Observation Name:
UVIS_114RLTMAPN45MP001_CIRS

Observation Date:
2009_194_04_43_32

Observation Duration:
3300 S

Integration time = 100 S



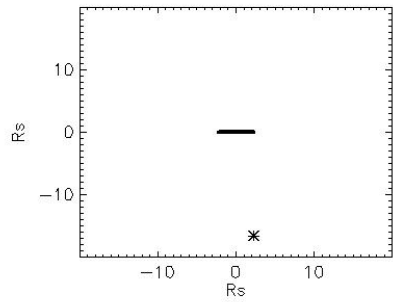
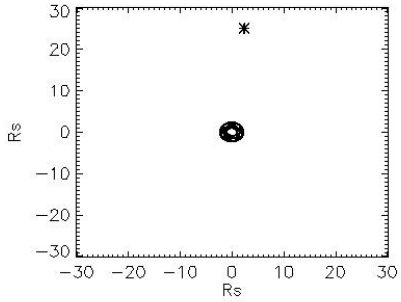
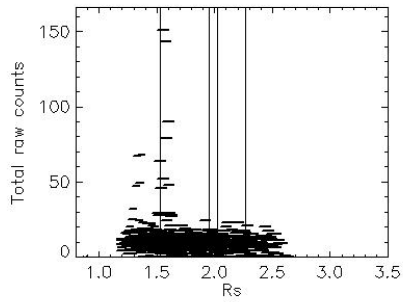
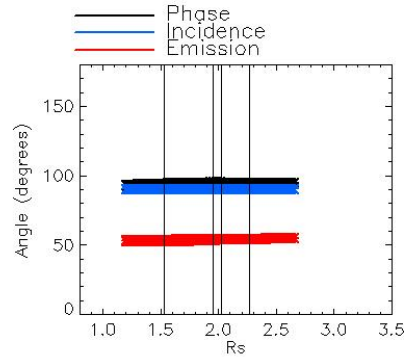
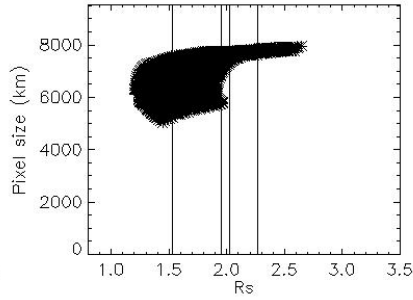
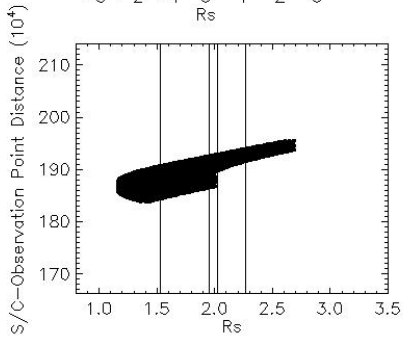


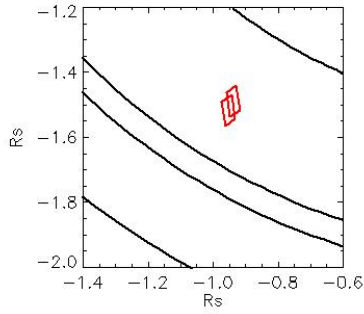
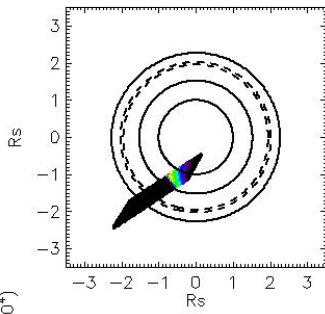
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_08_07_33

Observation Duration:
2500 S

Integration time = 100 S



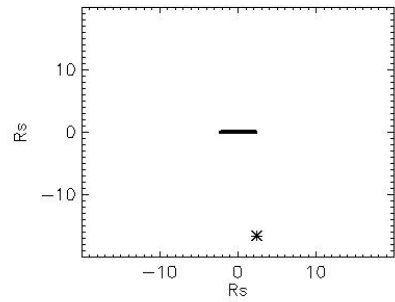
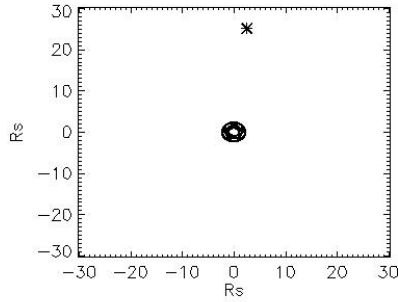
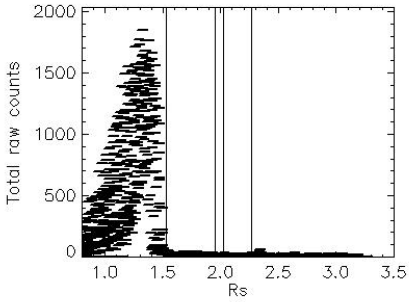
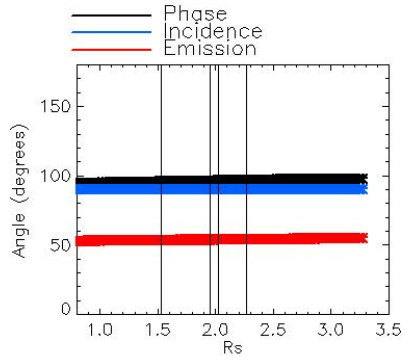
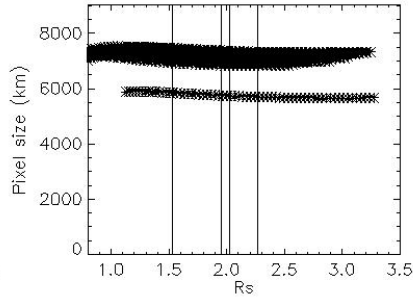
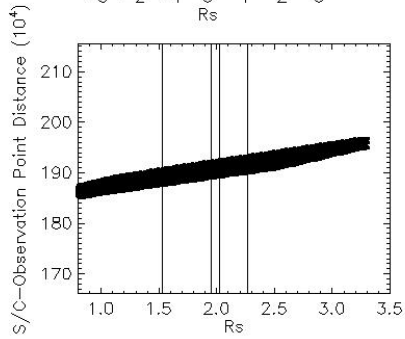


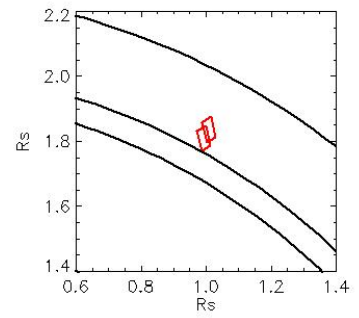
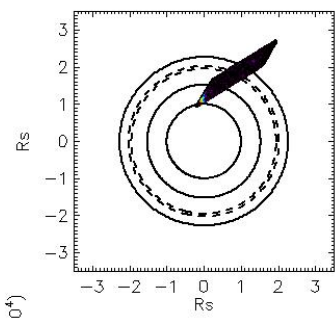
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_08_52_33

Observation Duration:
2500 S

Integration time = 100 S



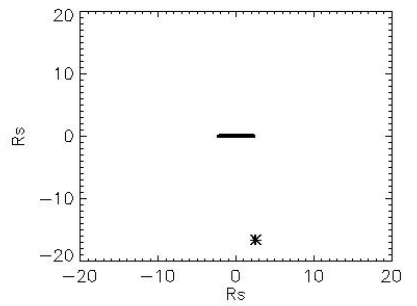
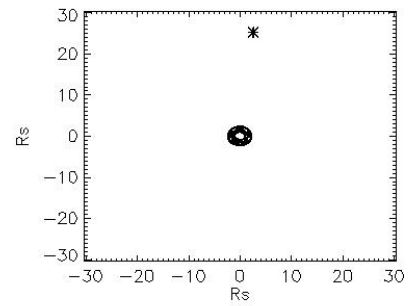
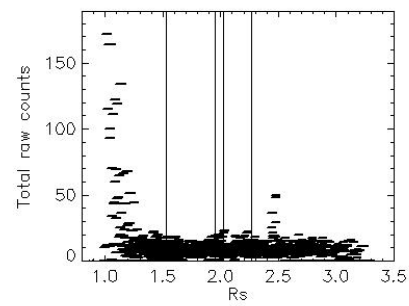
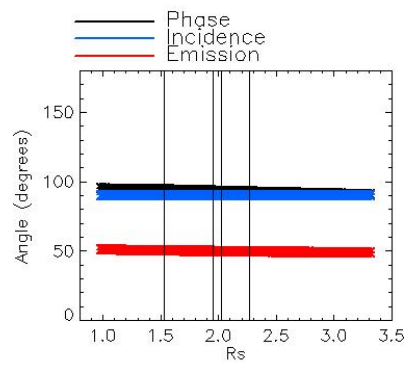
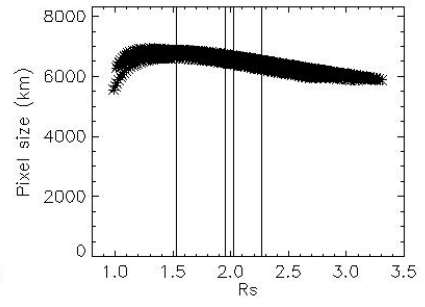
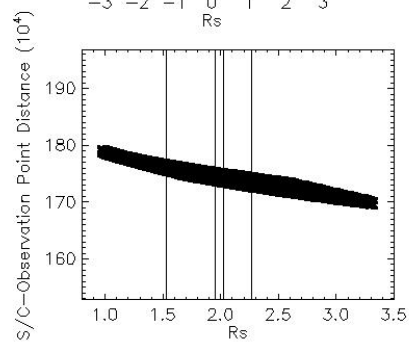


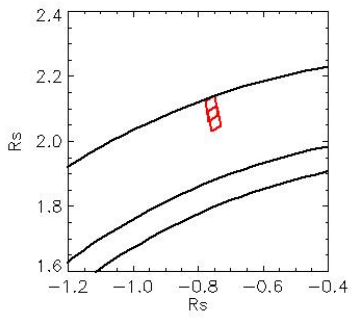
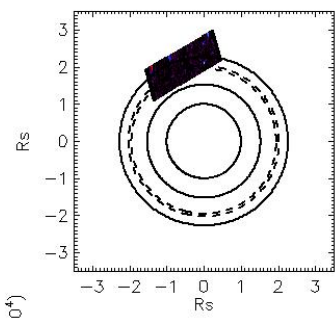
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_09_38_33

Observation Duration:
2500 S

Integration time = 100 S



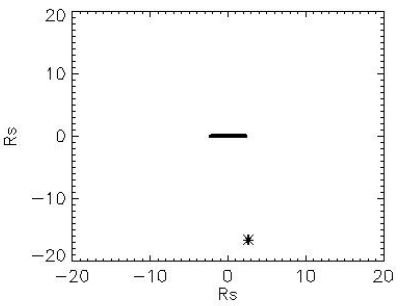
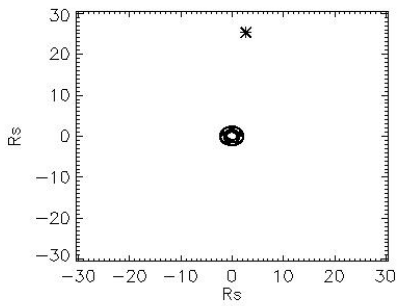
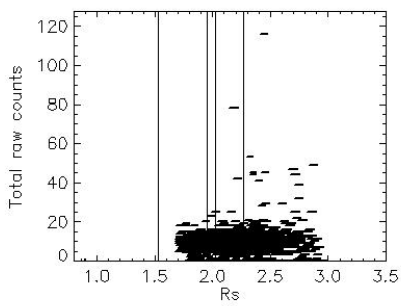
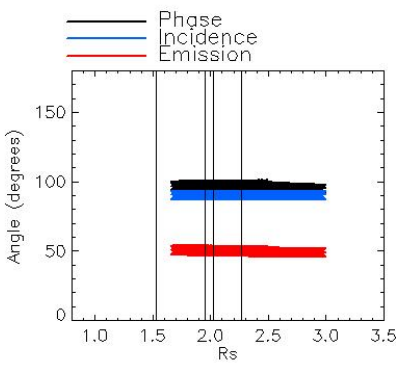
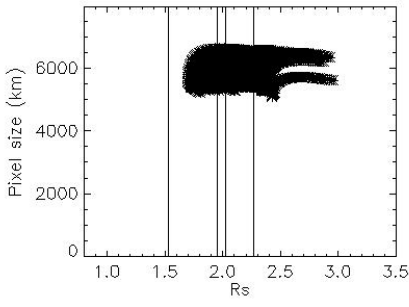
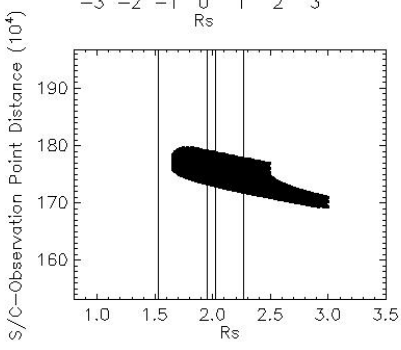


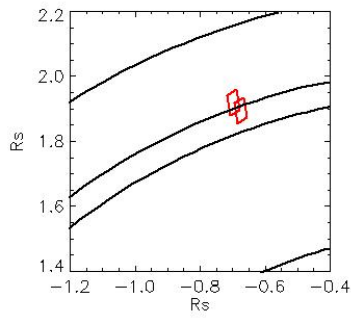
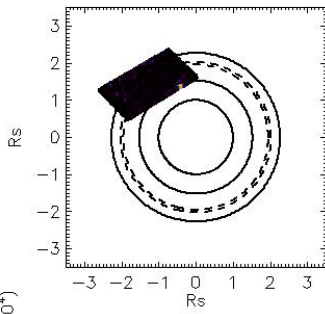
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_10_23_33

Observation Duration:
2500 S

Integration time = 100 S



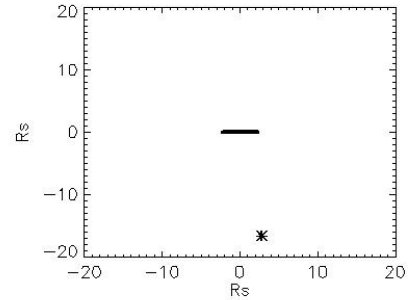
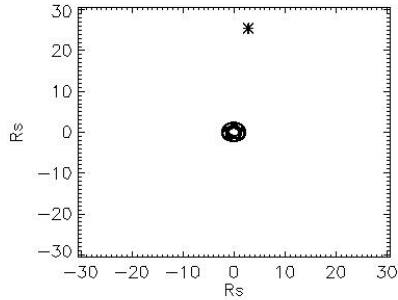
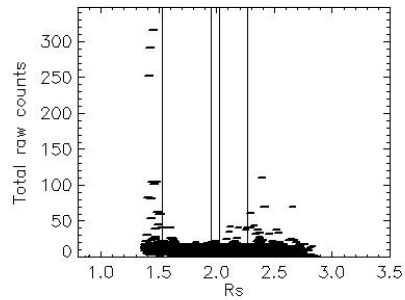
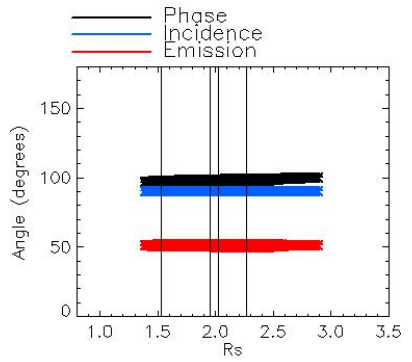
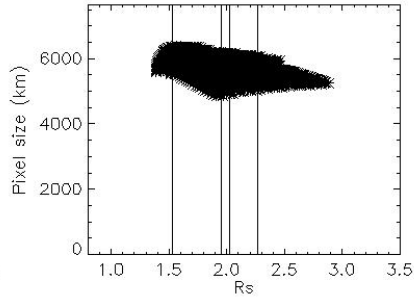
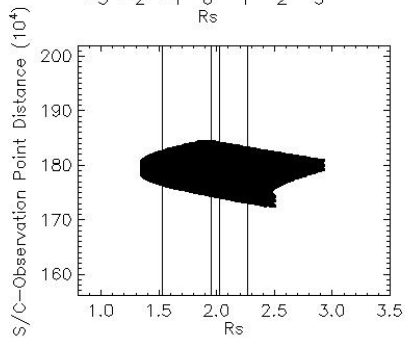


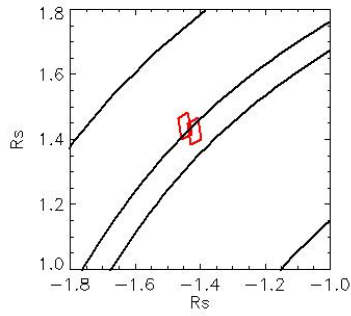
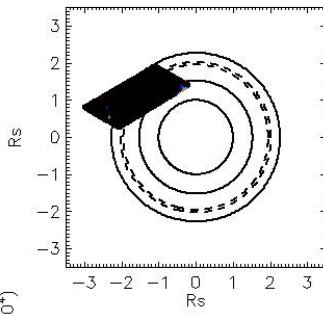
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_11_08_33

Observation Duration:
3300 S

Integration time = 100 S



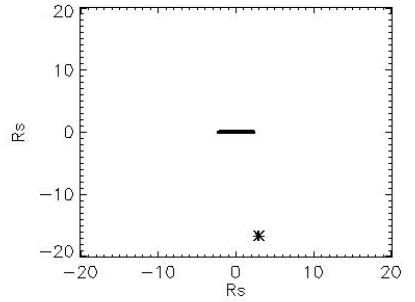
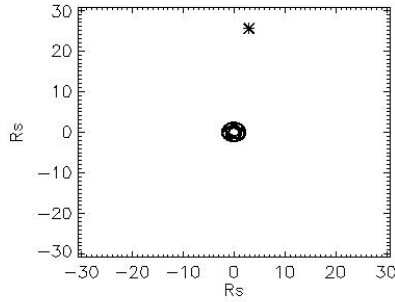
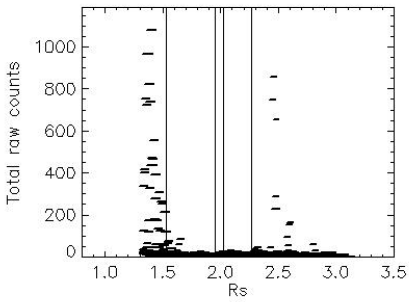
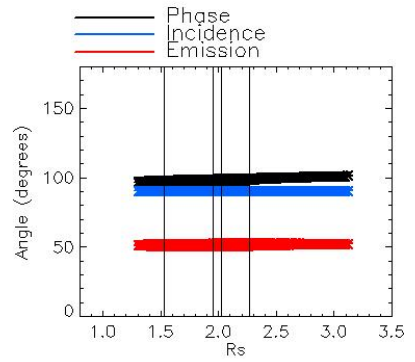
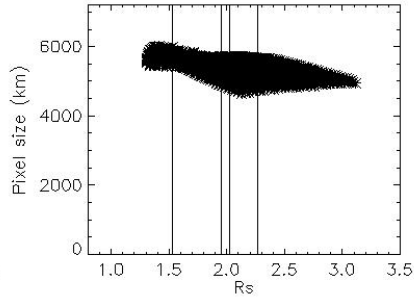
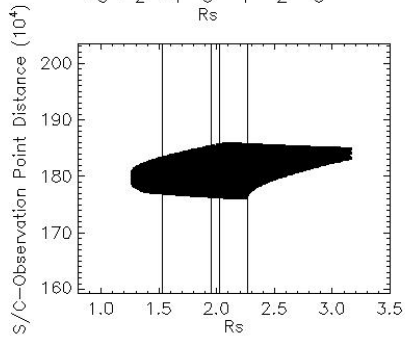


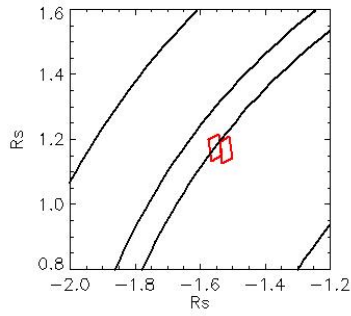
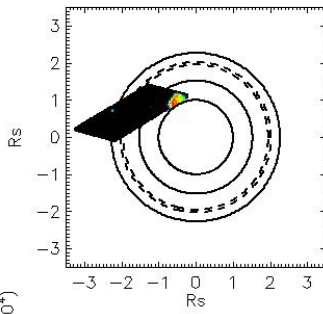
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_12_06_33

Observation Duration:
3300 S

Integration time = 100 S





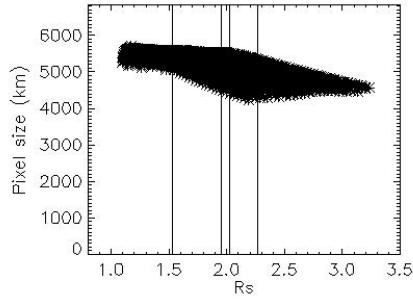
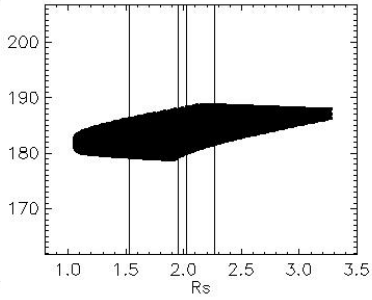
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_13_04_33

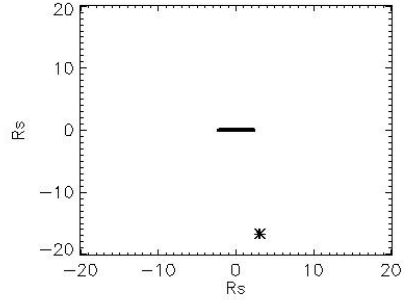
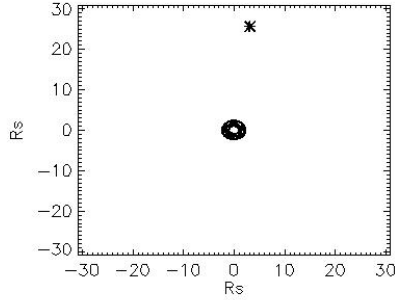
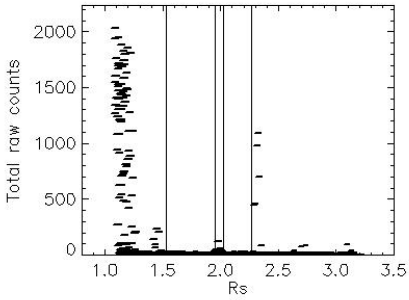
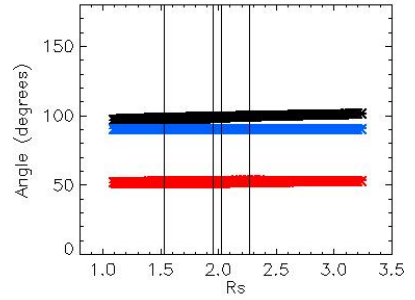
Observation Duration:
3300 S

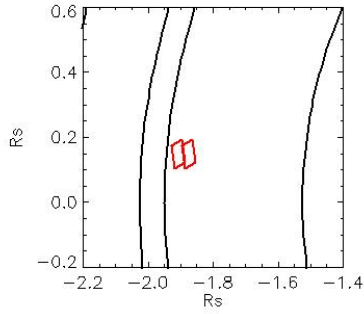
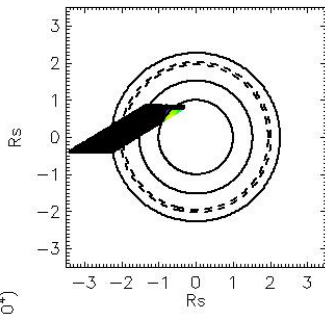
Integration time = 100 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission



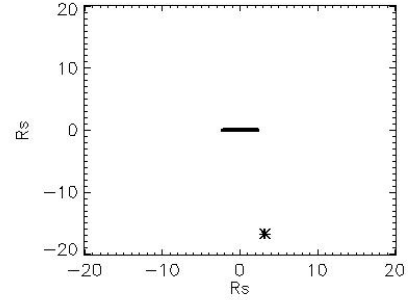
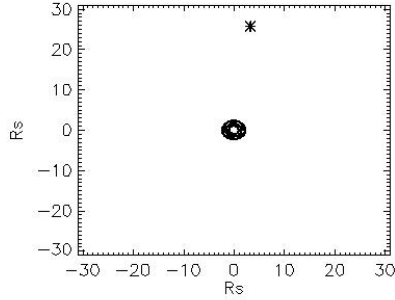
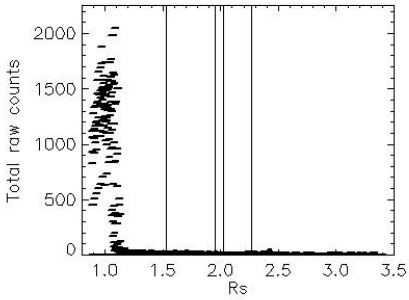
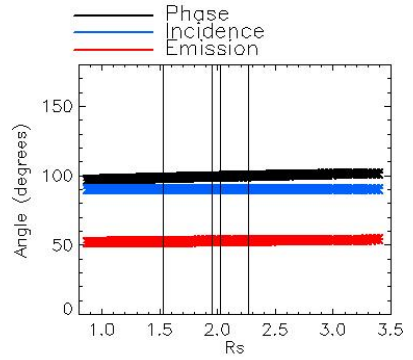
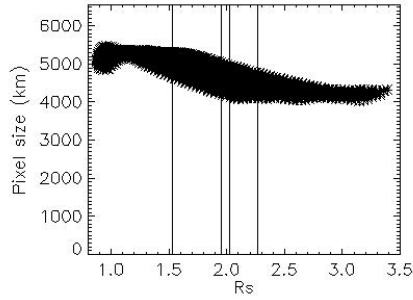
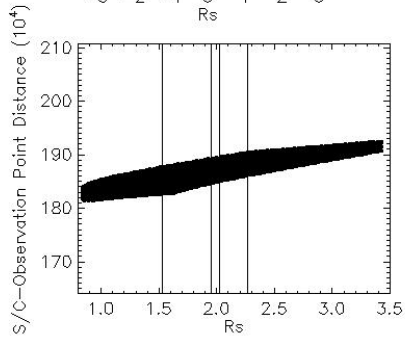


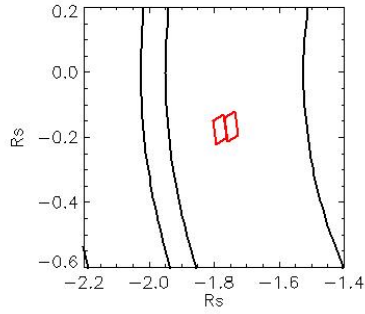
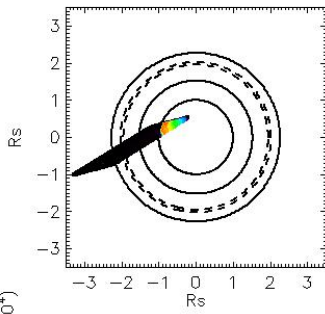
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_14_02_33

Observation Duration:
3300 S

Integration time = 100 S



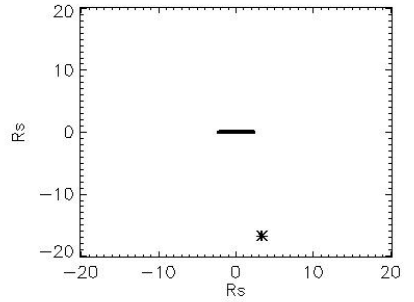
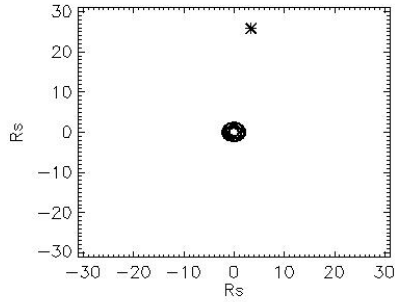
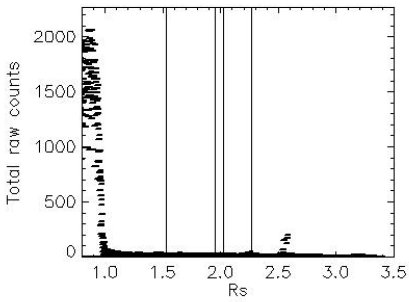
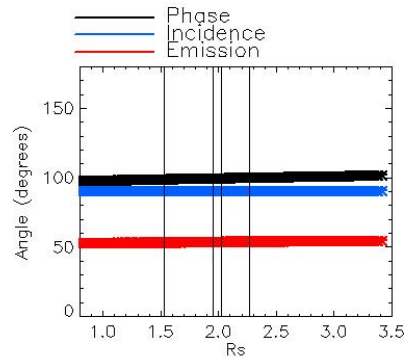
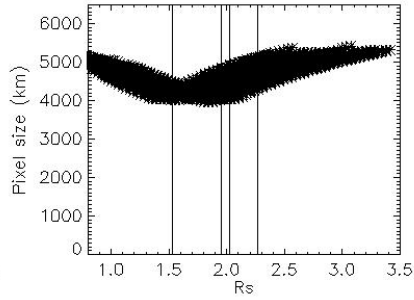
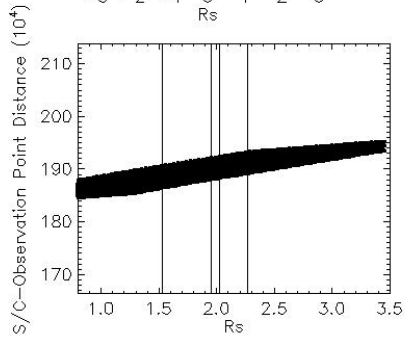


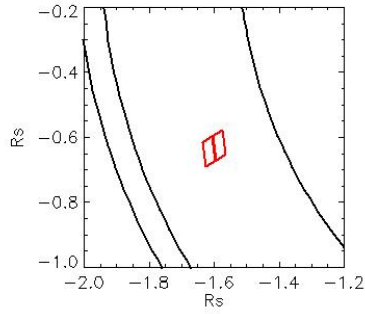
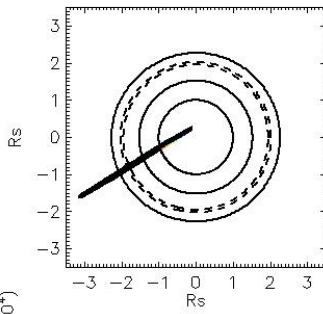
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

Observation Date:
2009_196_15_00_33

Observation Duration:
3300 S

Integration time = 100 S





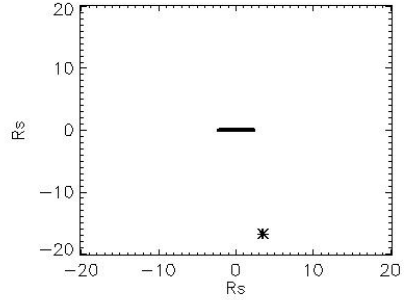
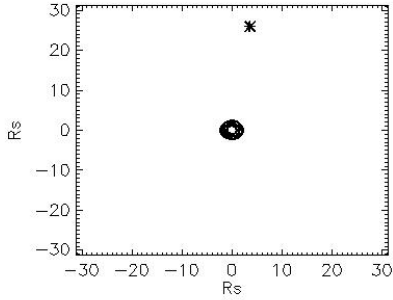
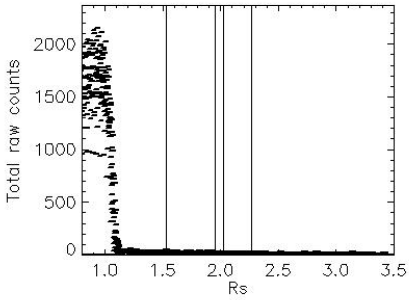
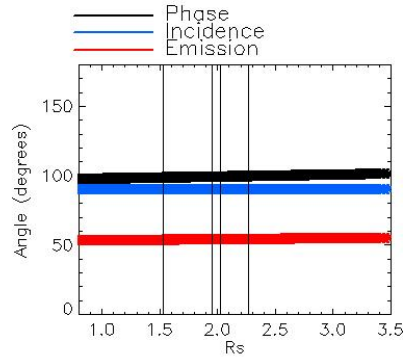
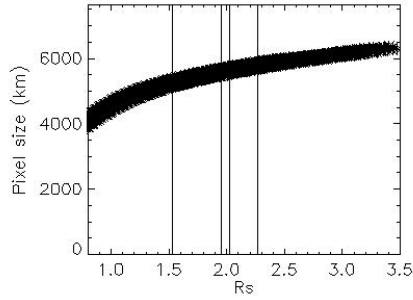
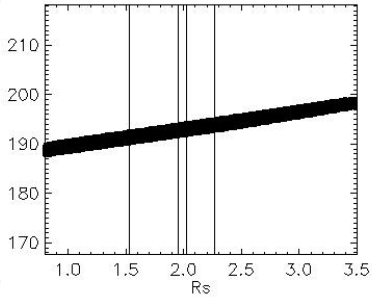
Observation Name:
UVIS_114RLTMAPN30MP001_CIRS

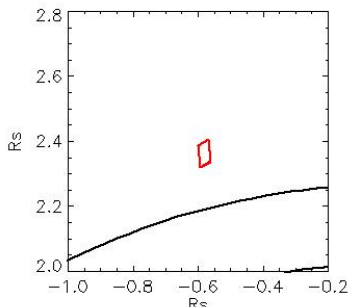
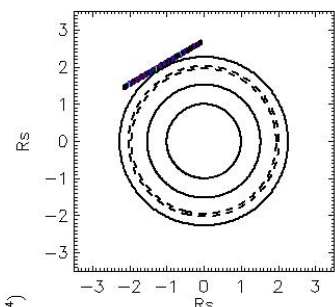
Observation Date:
2009_196_15_58_33

Observation Duration:
3300 S

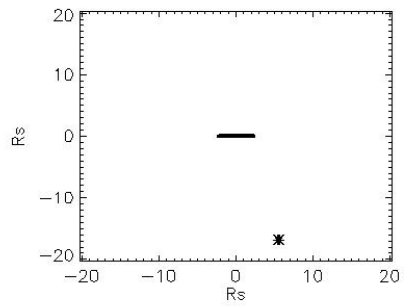
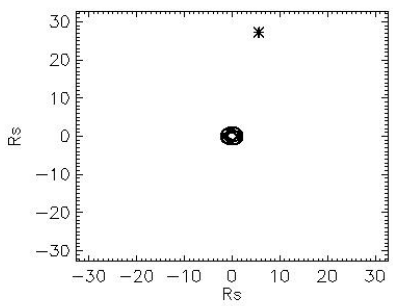
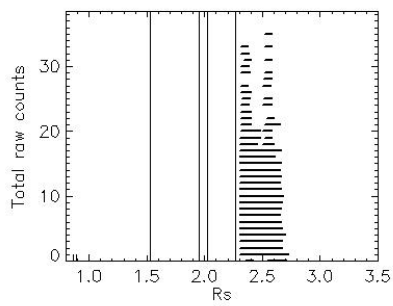
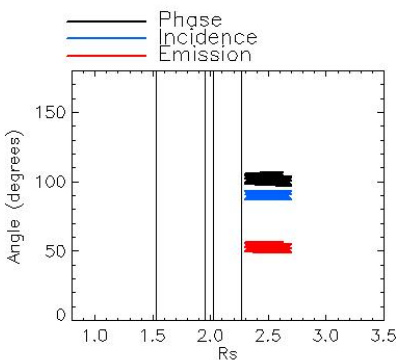
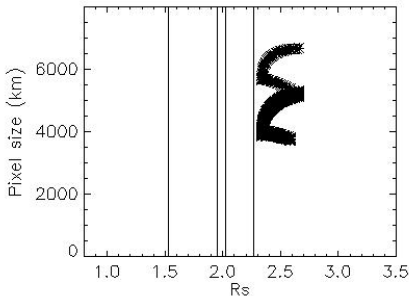
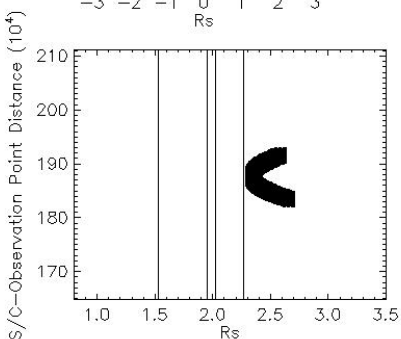
Integration time = 100 S

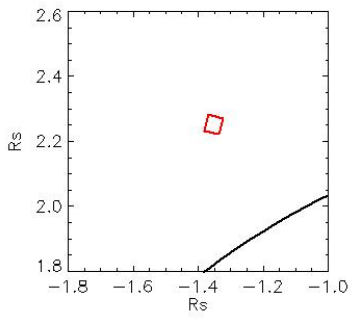
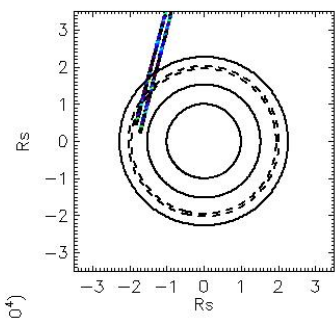
S/C—Observation Point Distance (10^4)



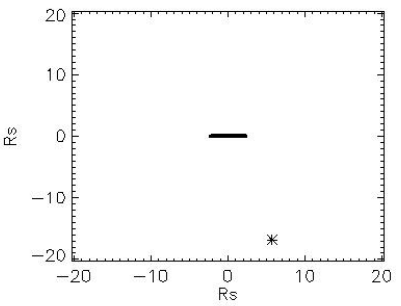
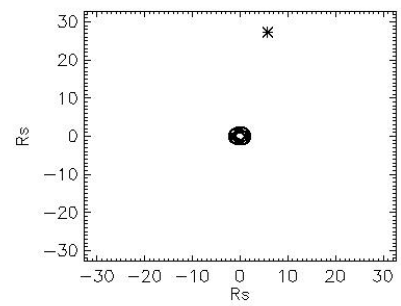
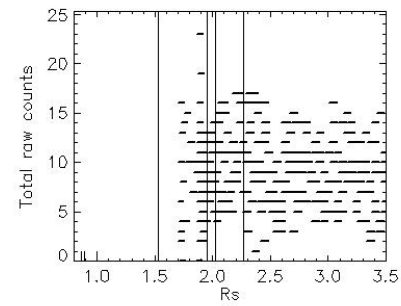
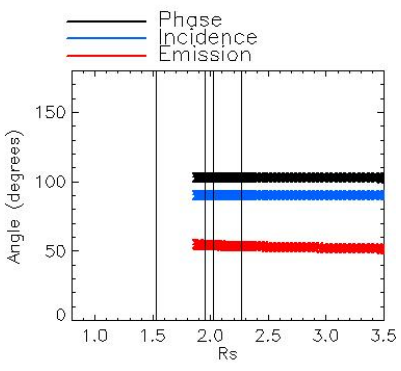
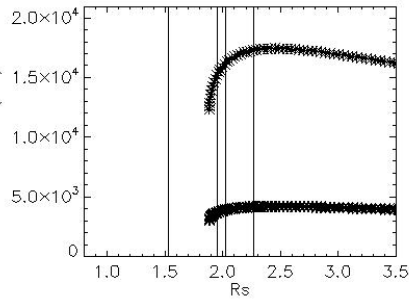
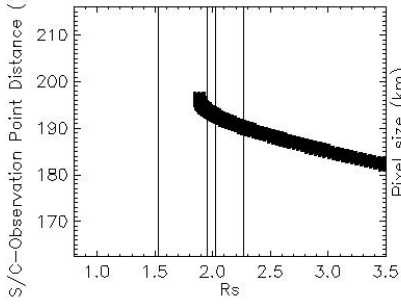


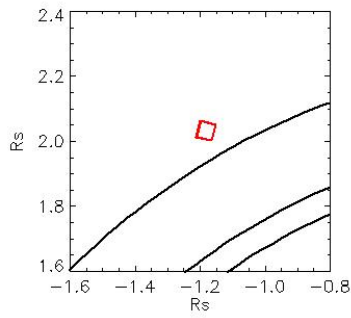
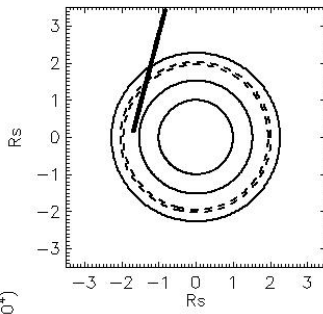
Observation Name:
 UVS_114RLPOLARIZ197_CIRS
 Observation Date:
 2009_197_05_46_32
 Observation Duration:
 4900 S
 Integration time = 100 S





Observation Name:
 UVS_114RLPOLARIZ197_CIRS
 Observation Date:
 2009_197_07_25_32
 Observation Duration:
 600 S
 Integration time = 100 S



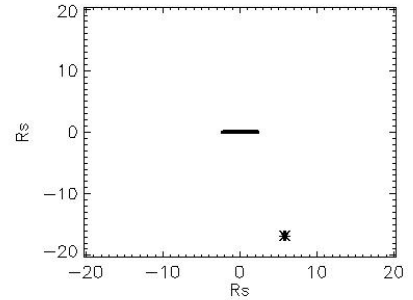
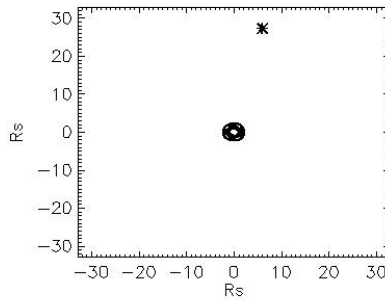
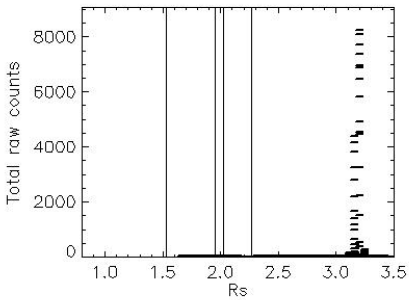
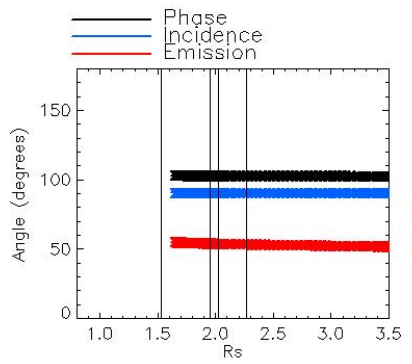
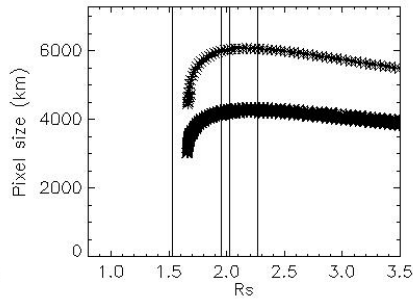
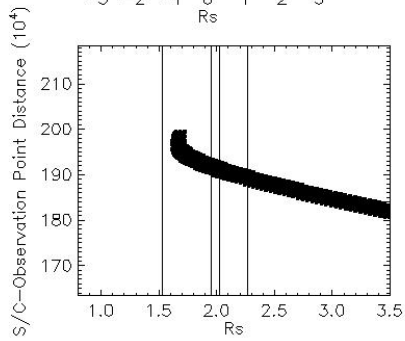


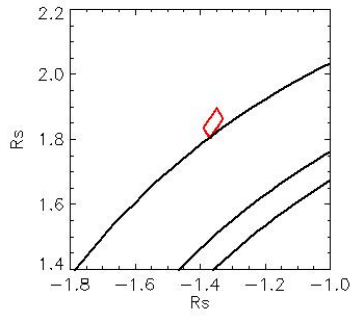
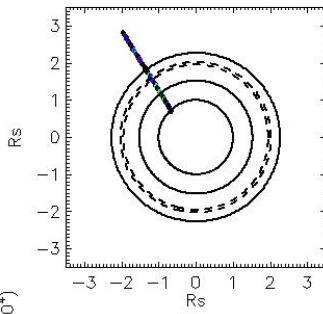
Observation Name:
UWS_114RLPOLARIZ197_CIRS

Observation Date:
2009_197_07_40_32

Observation Duration:
4900 S

Integration time = 100 S



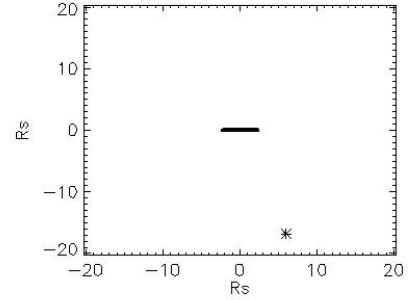
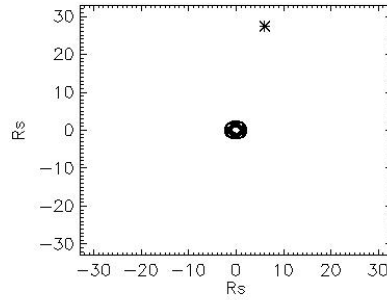
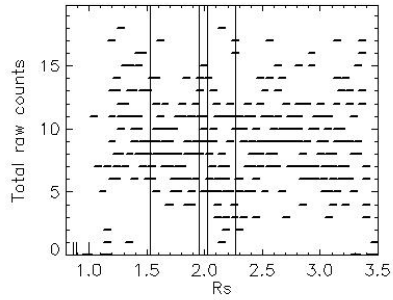
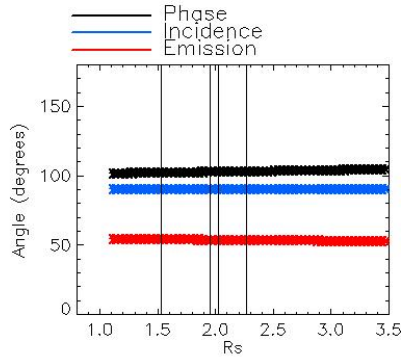
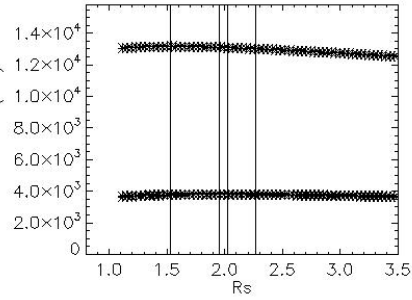
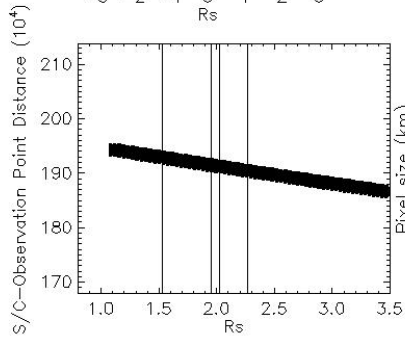


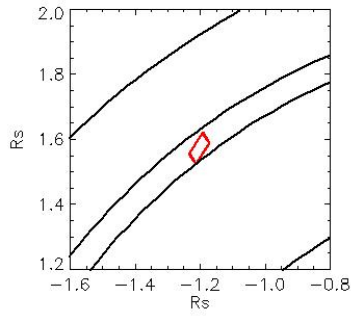
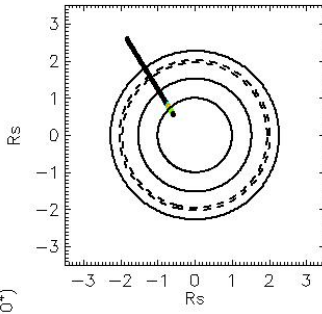
Observation Name:
UMS_114RLPOLARIZ197_CIRS

Observation Date:
2009_197_09_19_32

Observation Duration:
600 S

Integration time = 100 S



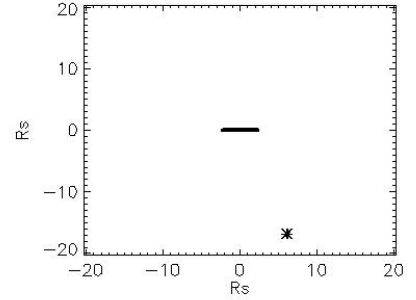
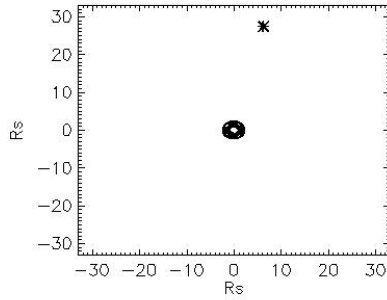
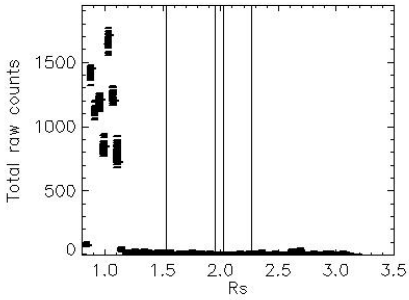
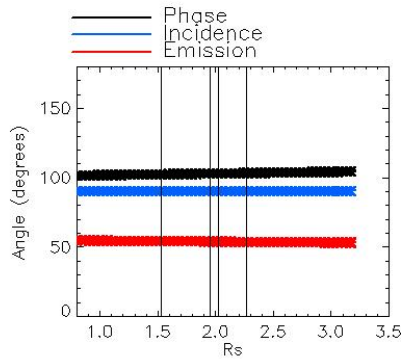
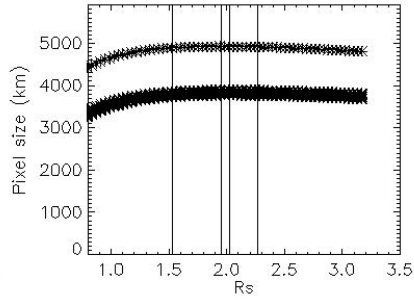
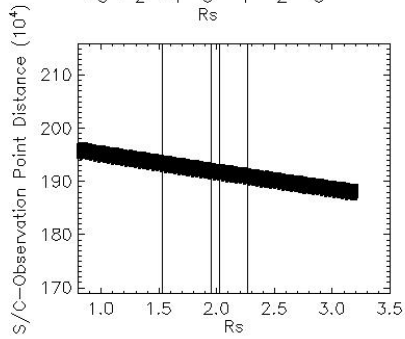


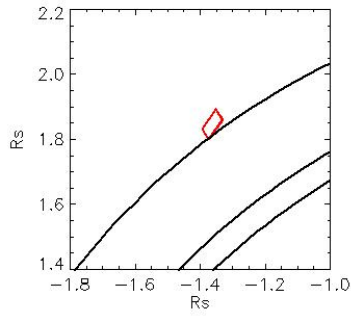
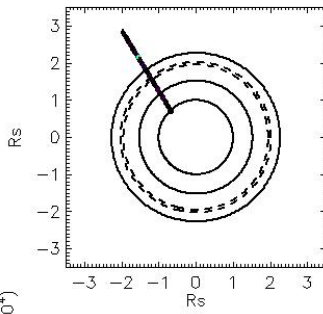
Observation Name:
UMS_114RLPOLARIZ197_CIRS

Observation Date:
2009_197_09_34_32

Observation Duration:
4900 S

Integration time = 100 S



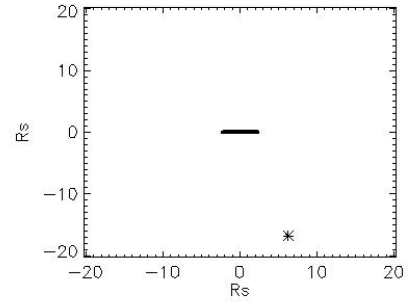
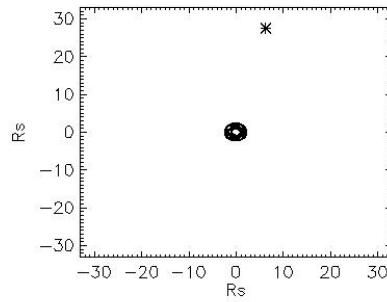
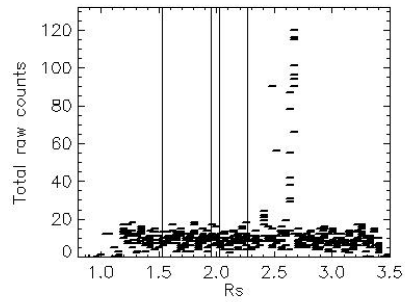
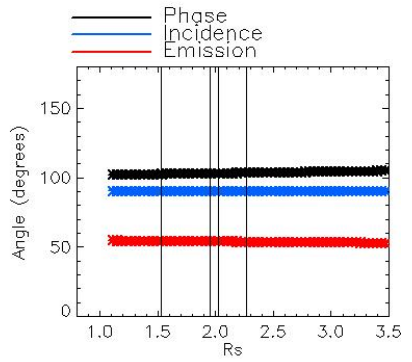
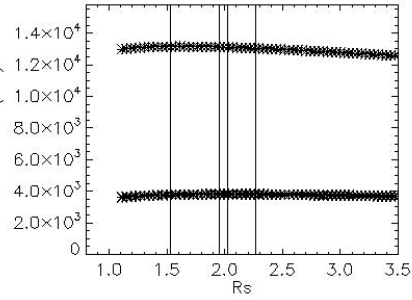
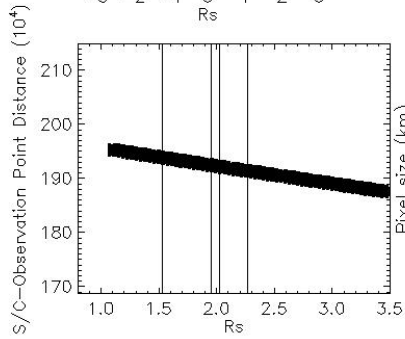


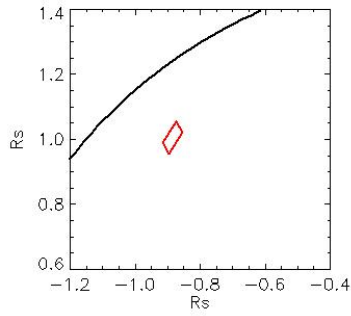
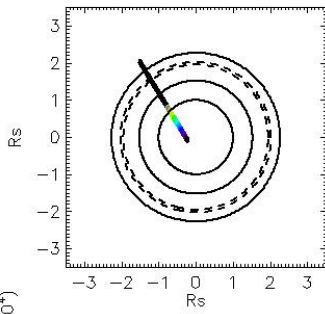
Observation Name:
UMS_114RLPOLARIZ197_CIRS

Observation Date:
2009_197_11_06_32

Observation Duration:
900 S

Integration time = 100 S



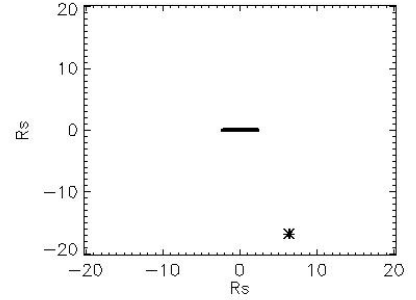
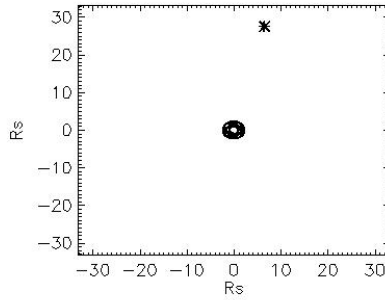
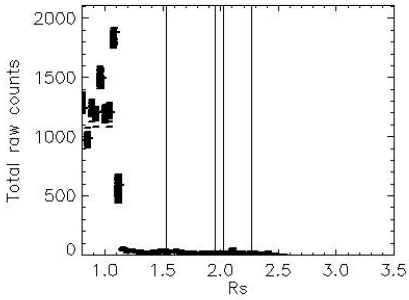
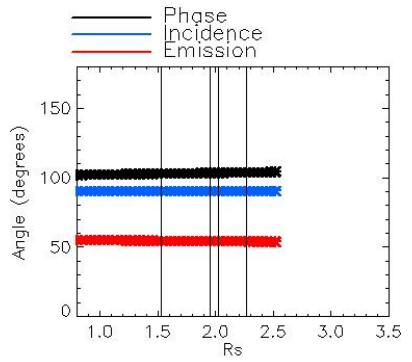
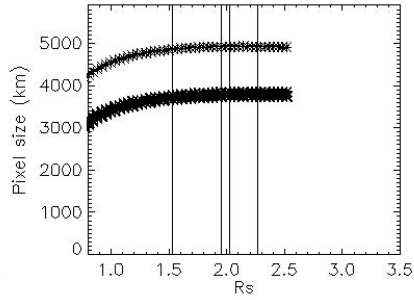
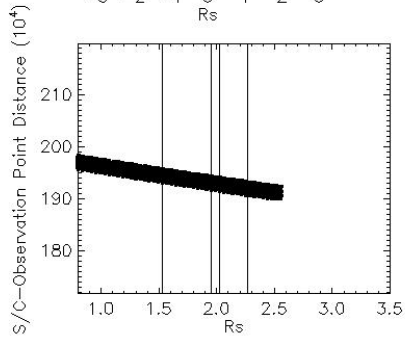


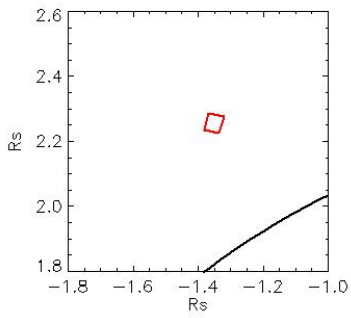
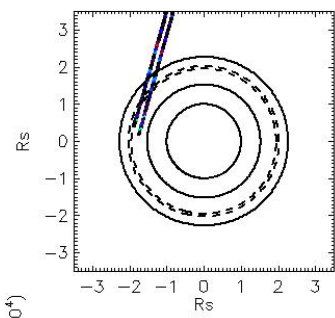
Observation Name:
UMS_114RLPOLARIZ197_CIRS

Observation Date:
2009_197_11_26_32

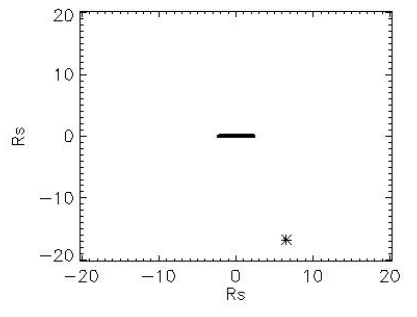
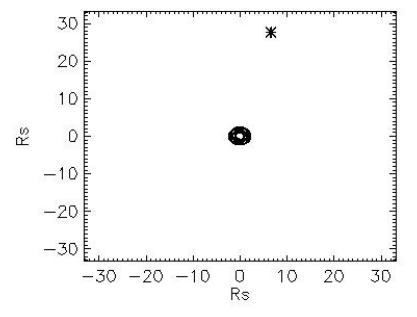
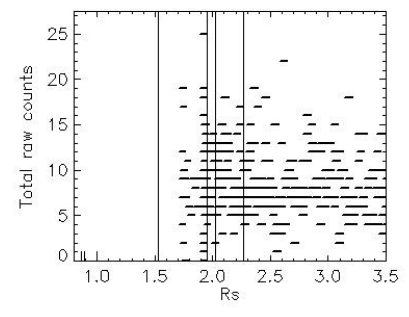
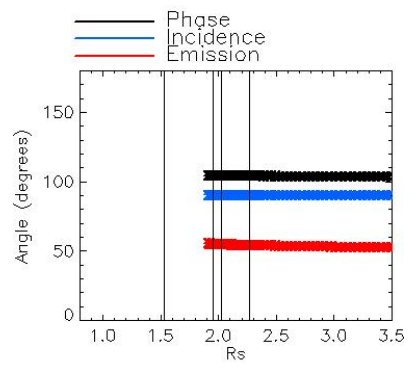
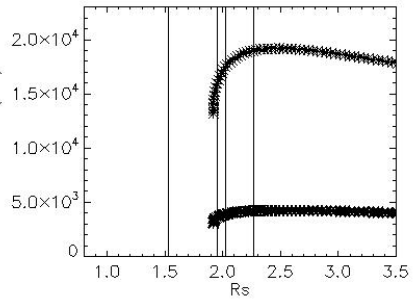
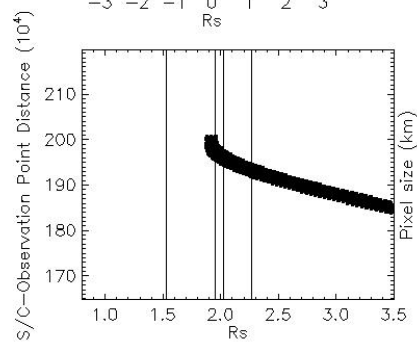
Observation Duration:
4900 S

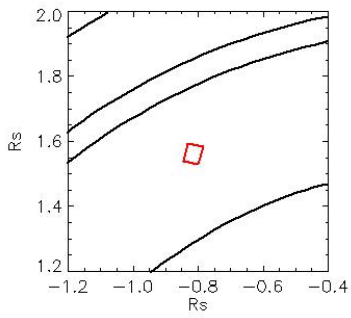
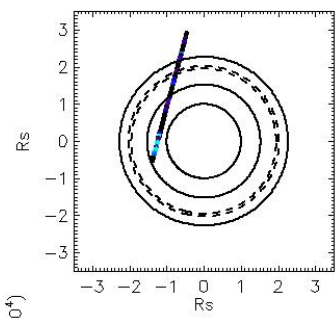
Integration time = 100 S



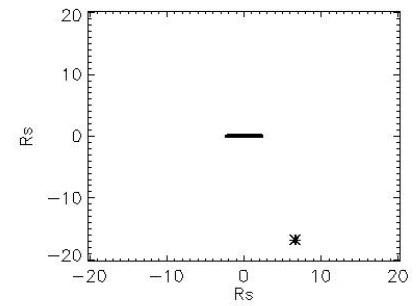
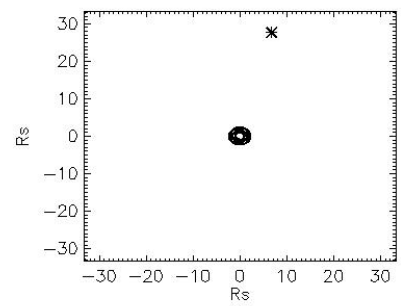
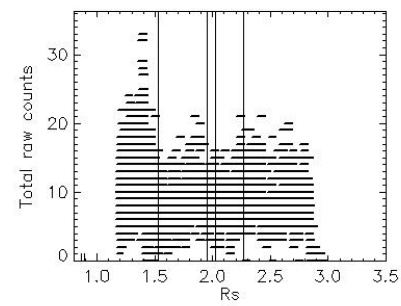
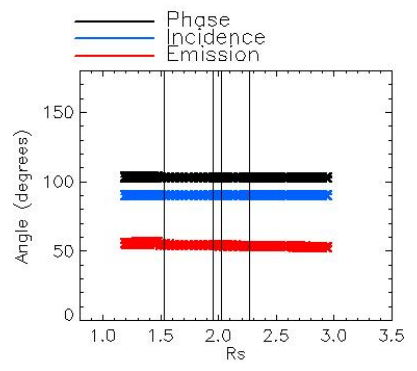
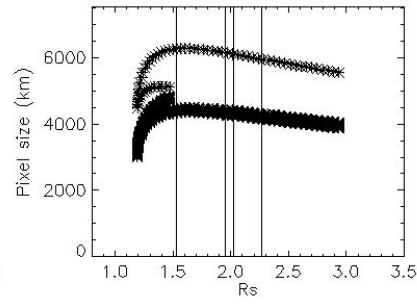
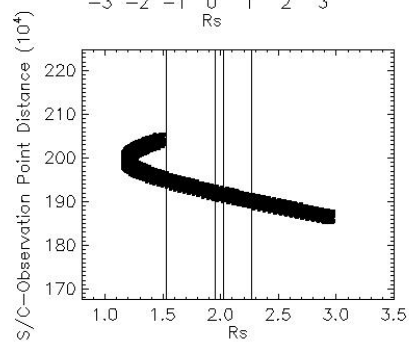


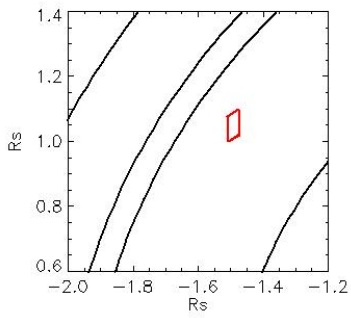
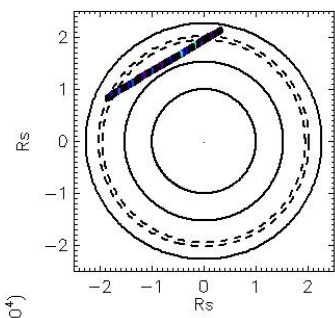
Observation Name:
 UVS_114RLPOLARIZ197_CIRS
 Observation Date:
 2009_197_13_05_32
 Observation Duration:
 600 S
 Integration time = 100 S



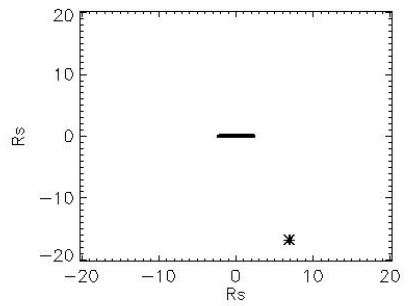
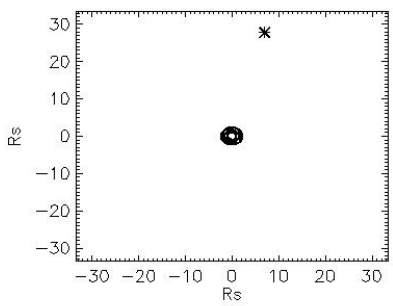
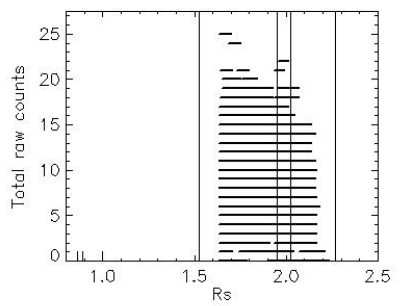
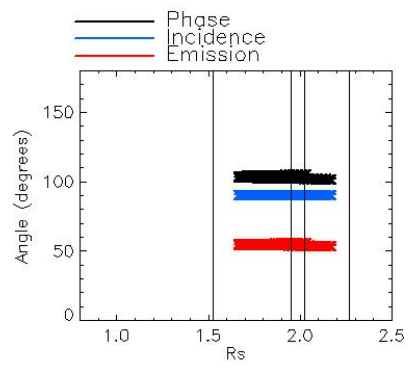
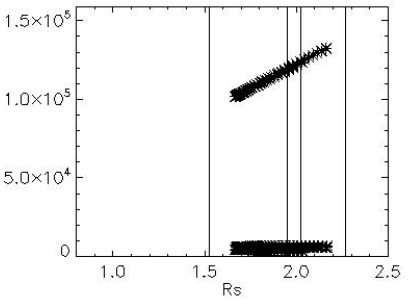
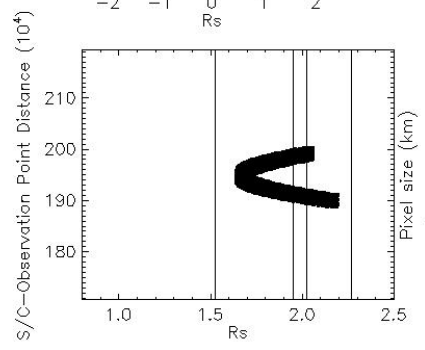


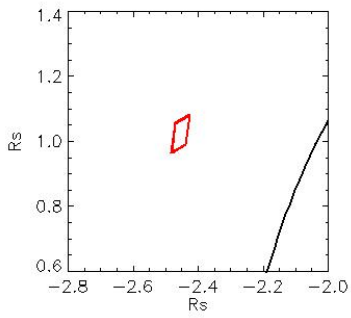
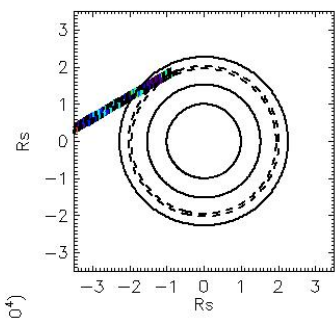
Observation Name:
 UVS_114RLPOLARIZ197_CIRS
 Observation Date:
 2009_197_13_20_32
 Observation Duration:
 4900 S
 Integration time = 100 S





Observation Name:
 UVS_114RLPOLARIZ197_CIRS
 Observation Date:
 2009_197_15_14_32
 Observation Duration:
 4900 S
 Integration time = 100 S





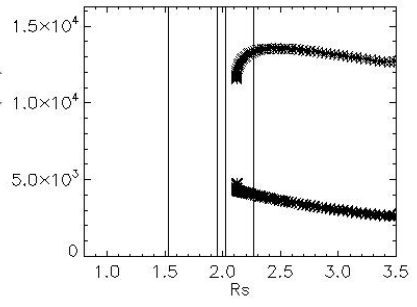
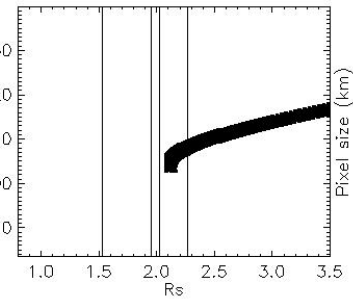
Observation Name:
UMS_114RLPOLARIZ199_CIRS

Observation Date:
2009_199_04_48_32

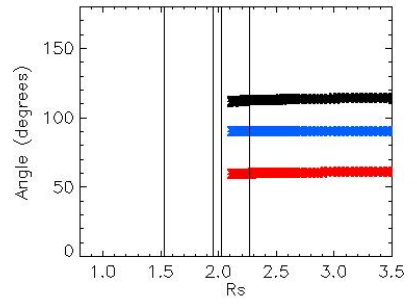
Observation Duration:
600 S

Integration time = 100 S

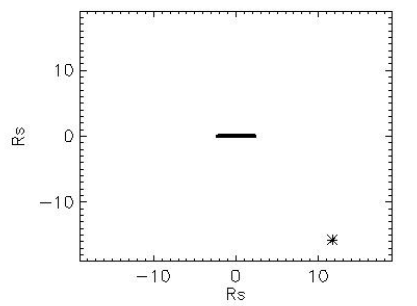
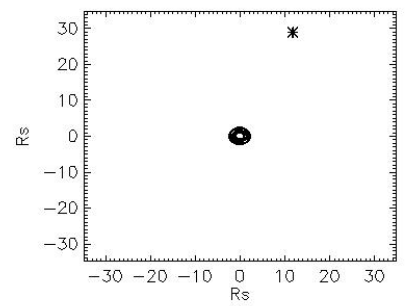
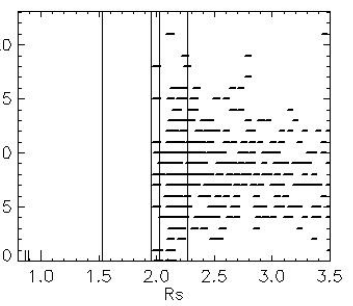
S/C-Observation Point Distance (10^4)

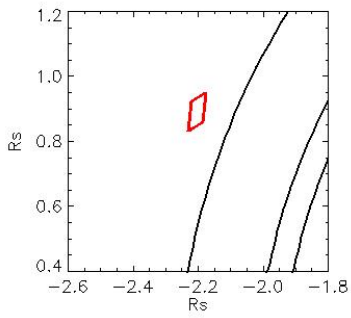
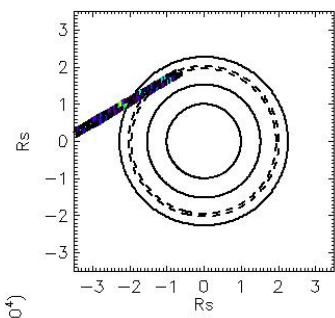


— Phase
— Incidence
— Emission

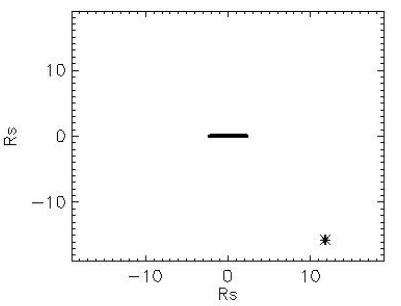
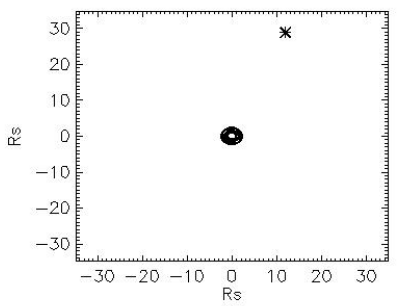
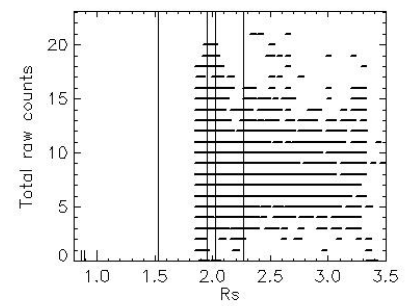
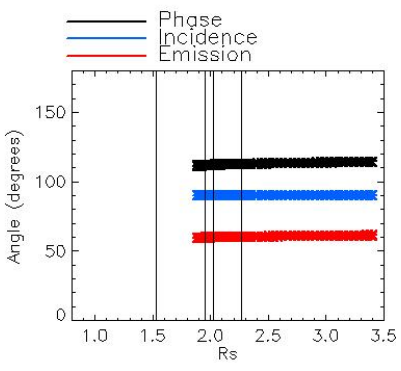
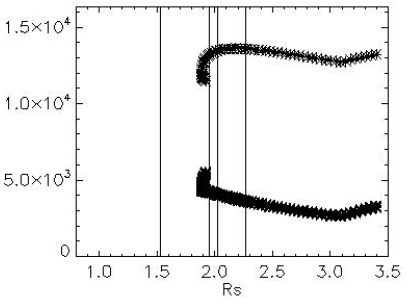
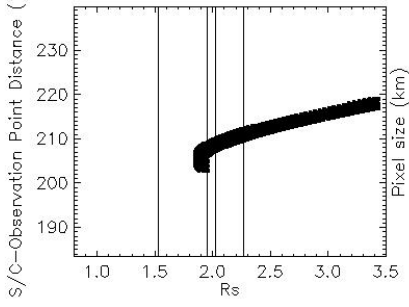


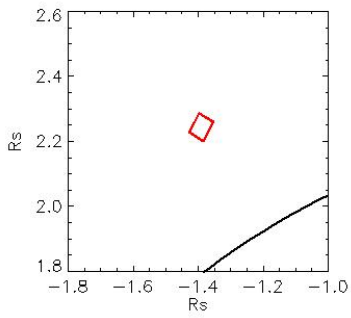
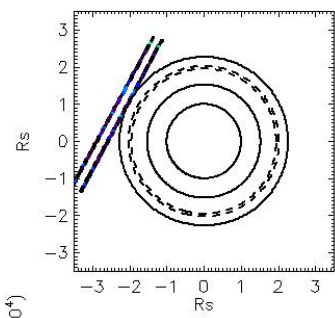
Total raw counts



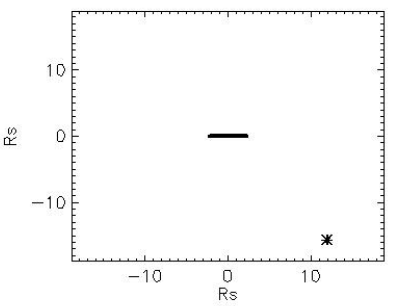
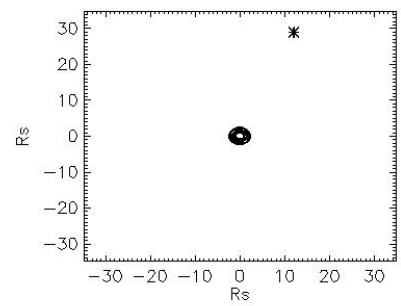
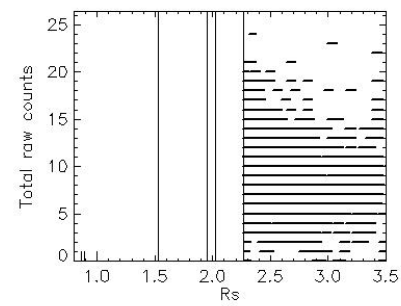
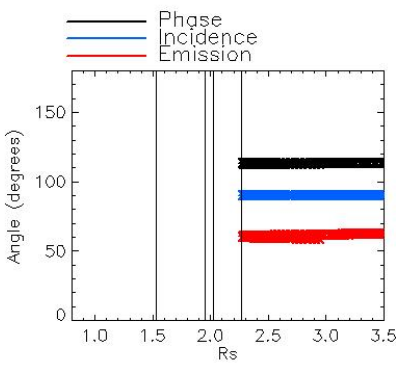
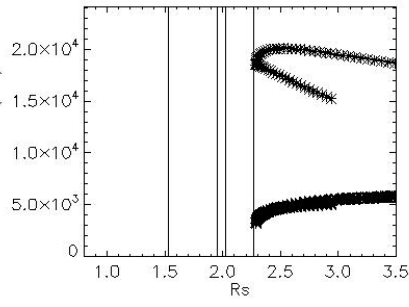
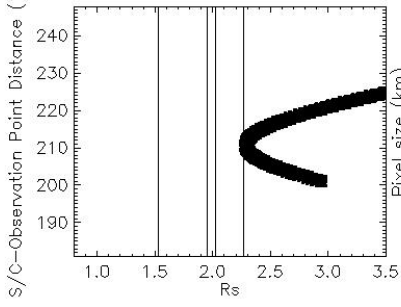


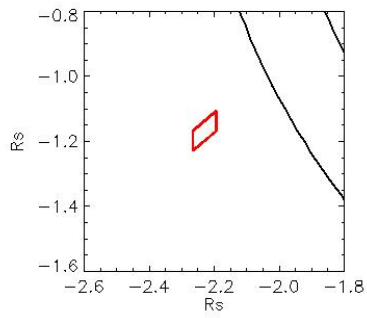
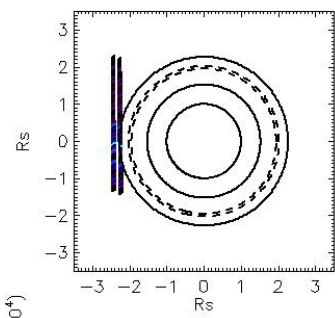
Observation Name:
 UVS_114RLPOLARIZ199_CIRS
 Observation Date:
 2009_199_05_03_32
 Observation Duration:
 3300 S
 Integration time = 100 S



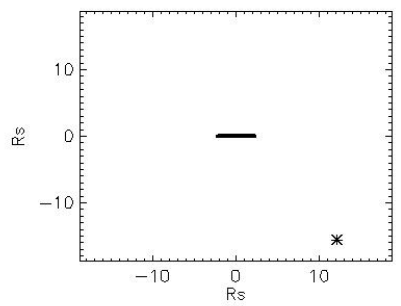
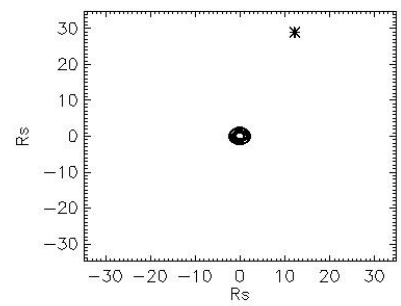
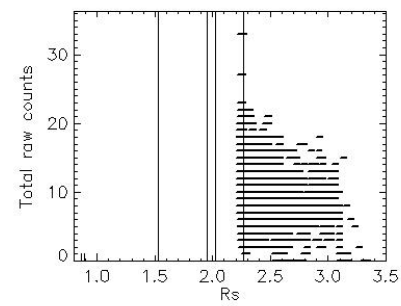
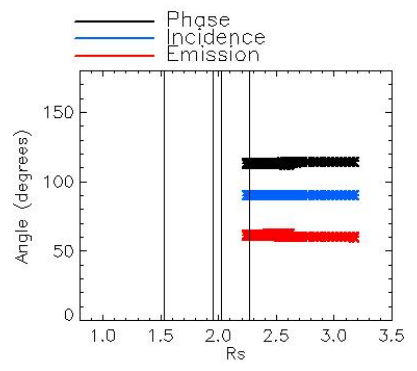
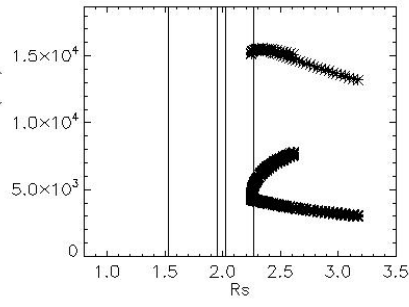
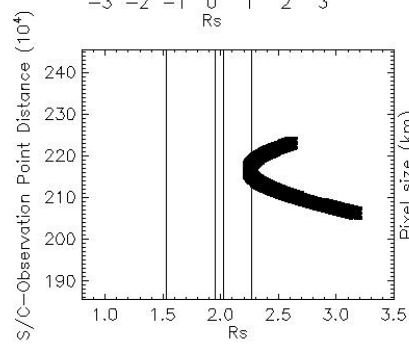


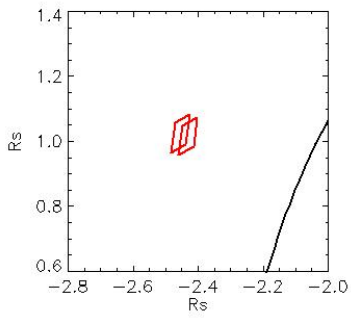
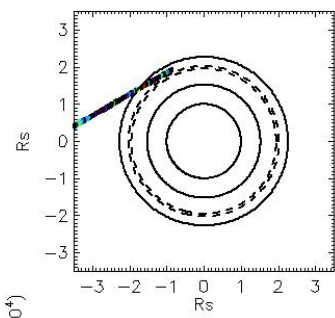
Observation Name:
 UVS_114RLPOLARIZ199_CIRS
 Observation Date:
 2009_199_06_31_32
 Observation Duration:
 3300 S
 Integration time = 100 S



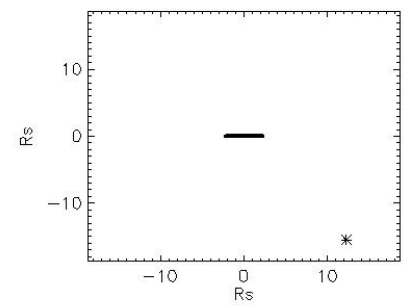
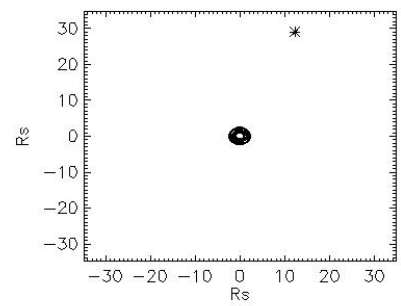
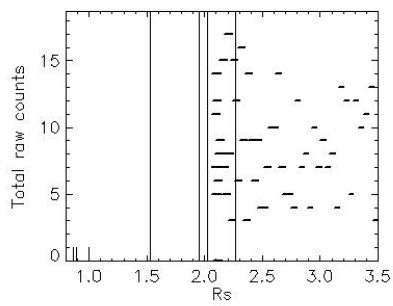
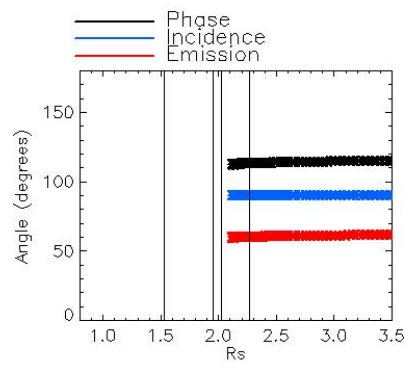
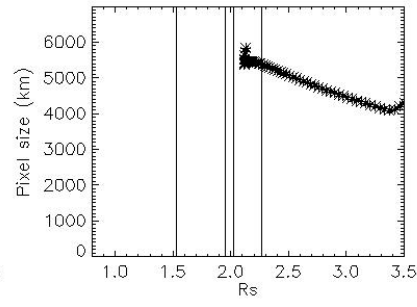
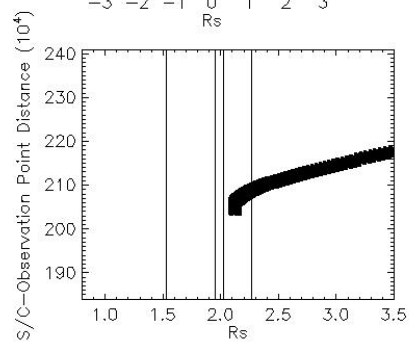


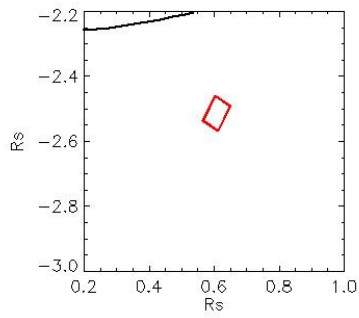
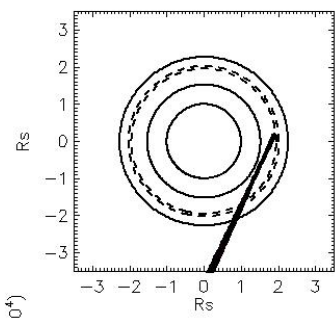
Observation Name:
 UVS_114RLPOLARIZ199_CIRS
 Observation Date:
 2009_199_07_58_33
 Observation Duration:
 3300 S
 Integration time = 100 S





Observation Name:
 UVS_114RLPOLARIZ199_CIRS
 Observation Date:
 2009_199_09_24_33
 Observation Duration:
 100 S
 Integration time = 100 S





Observation Name:
UVS_114RLHPSPOKE003_VIMS

Observation Date:
2009_199_19_27_33

Observation Duration:
34600 S

Integration time = 100 S

