

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.

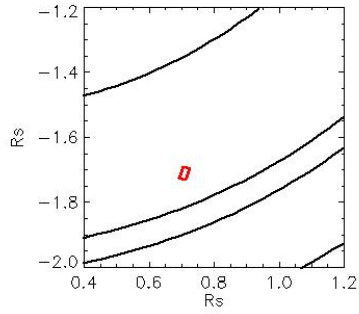
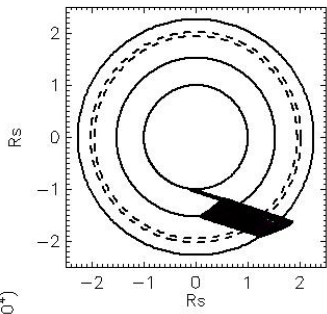
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

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.

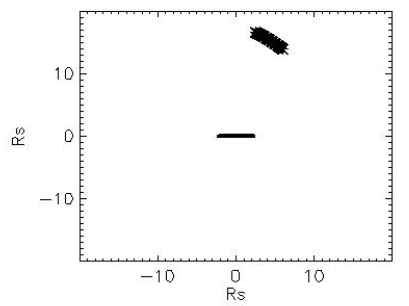
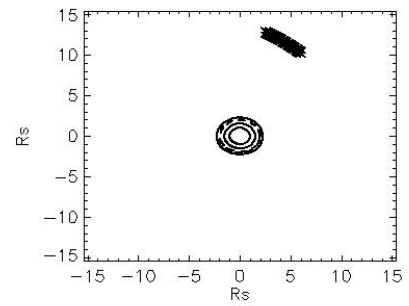
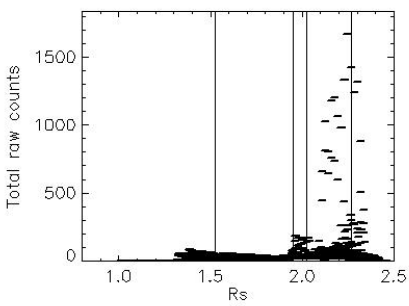
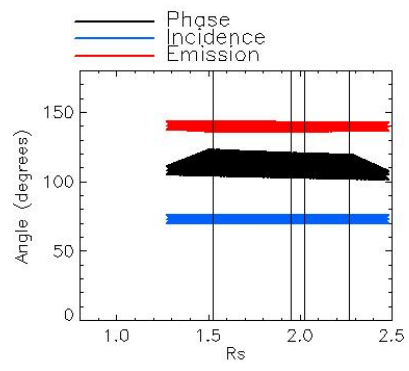
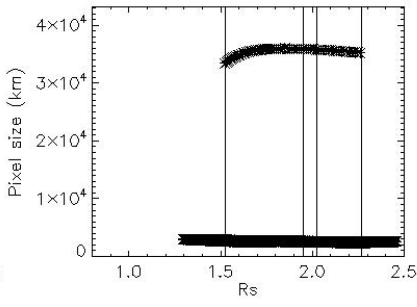
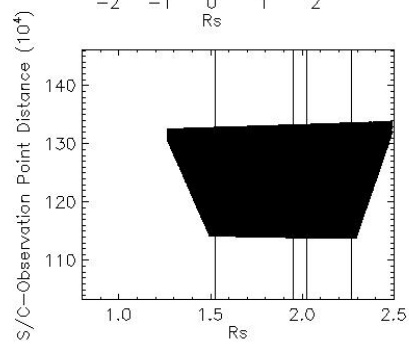


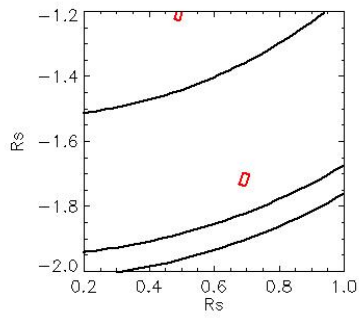
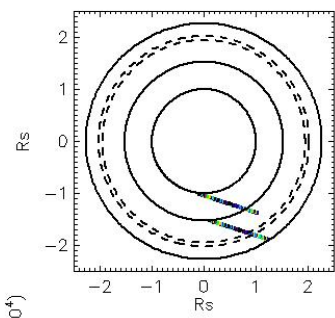
Observation Name:
UMS_179RLSPOKEMOV001_JSS

Observation Date:
2013_016_03_10_01

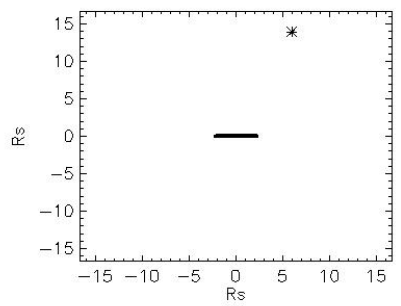
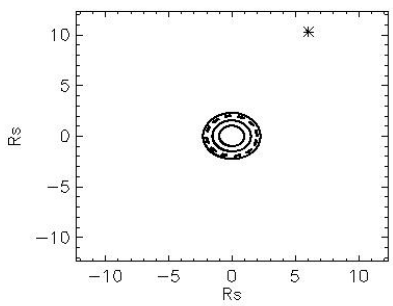
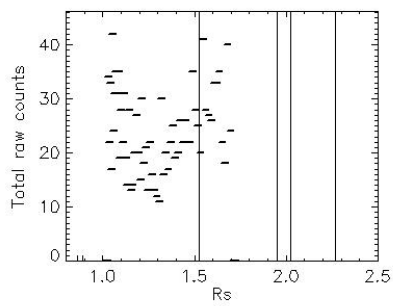
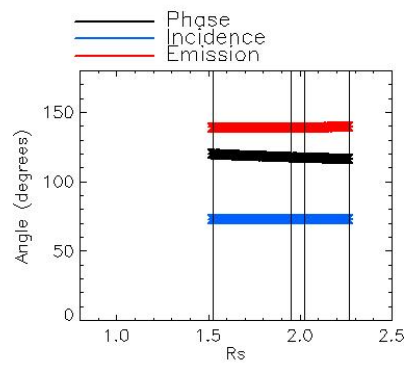
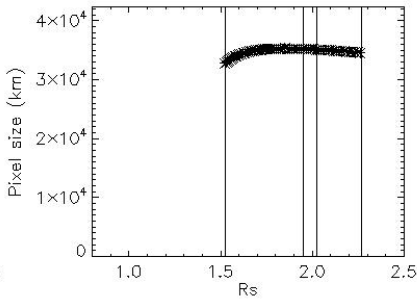
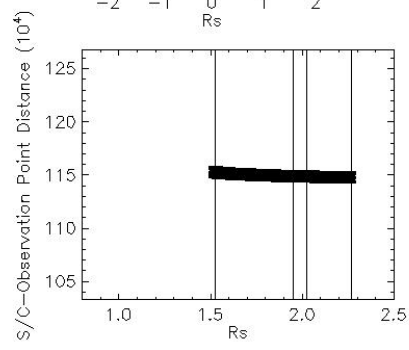
Observation Duration:
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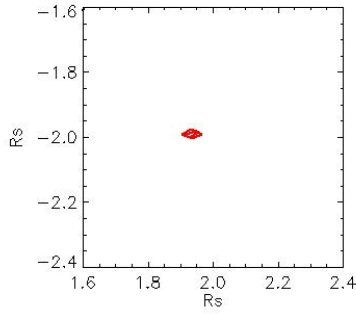
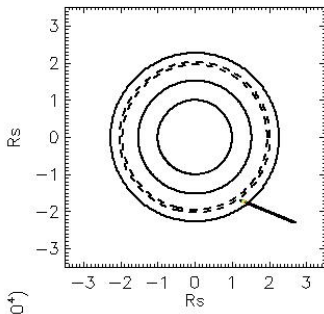
Integration time = 300 S





Observation Name:
 UMS_179RLSPOKEMOV001_JSS
 Observation Date:
 2013_016_18_34_59
 Observation Duration:
 300 S
 Integration time = 300 S



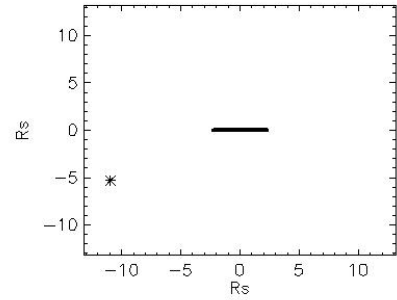
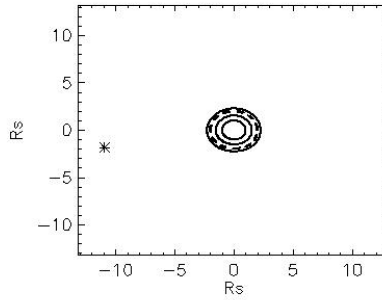
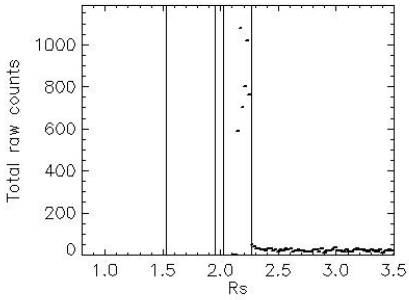
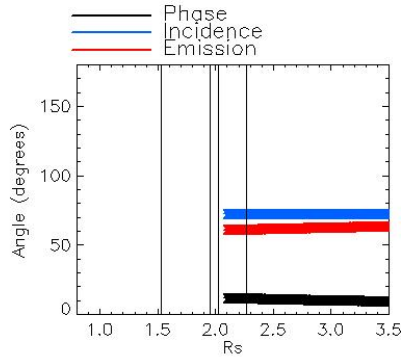
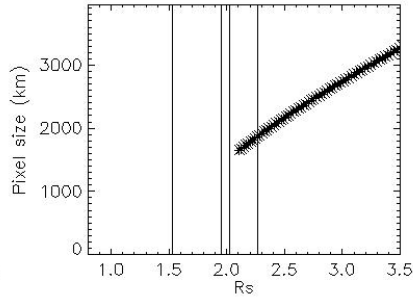
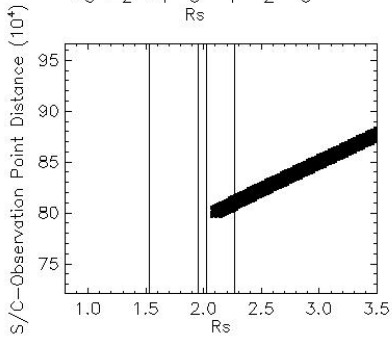


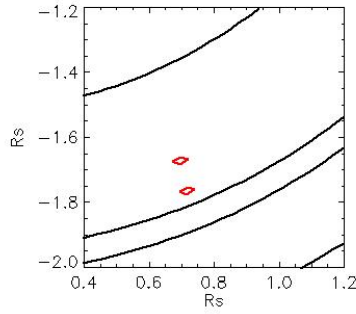
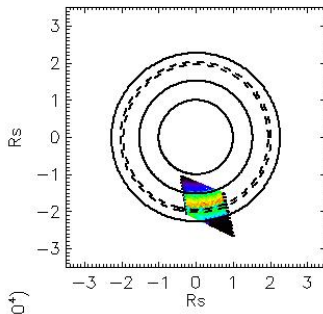
Observation Name:
UMS_179RLNP20L30S001_CIRS

Observation Date:
2013_020_00_20_02

Observation Duration:
300 S

Integration time = 300 S



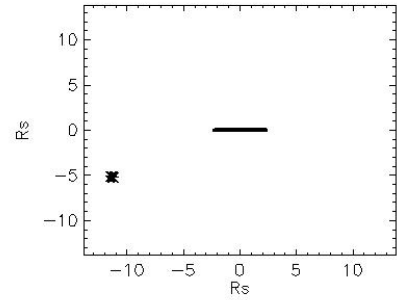
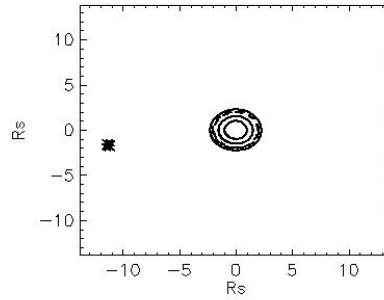
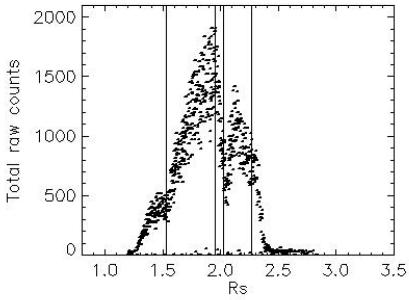
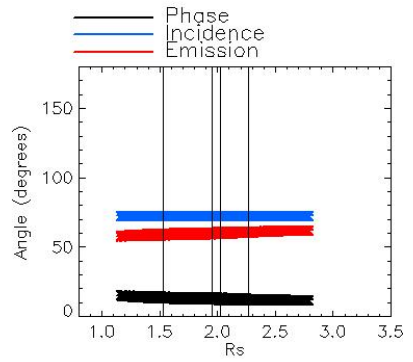
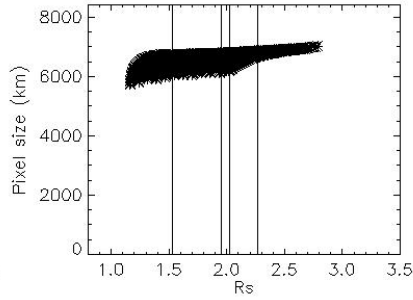
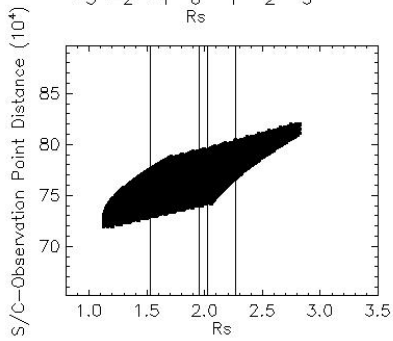


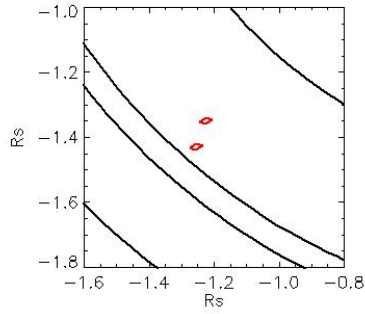
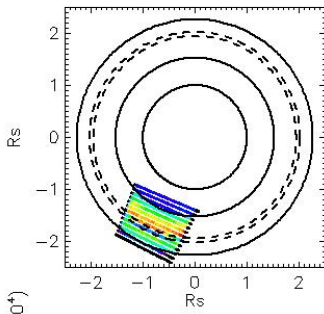
Observation Name:
UMS_179RLNP20L30S001_CIRS

Observation Date:
2013_020_00_45_01

Observation Duration:
3600 S

Integration time = 300 S



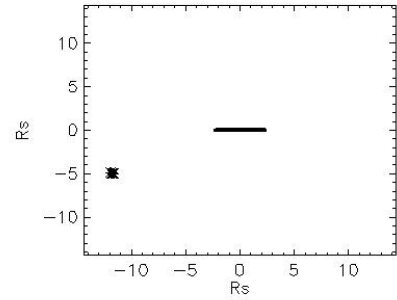
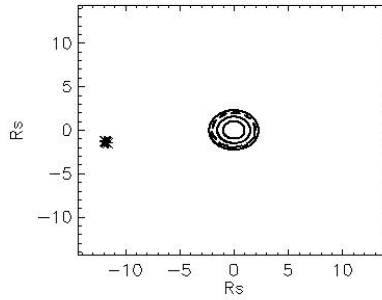
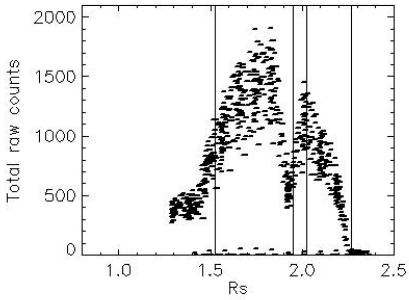
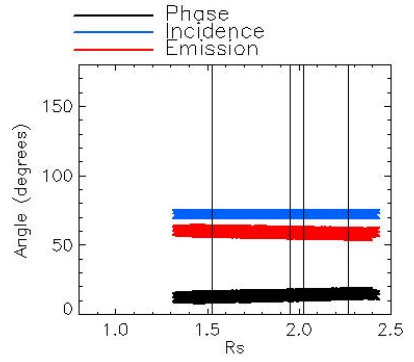
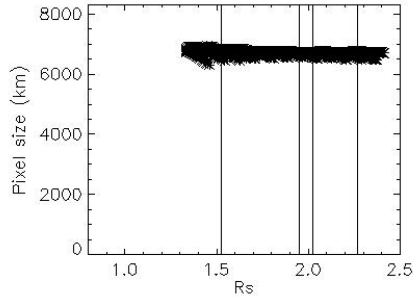
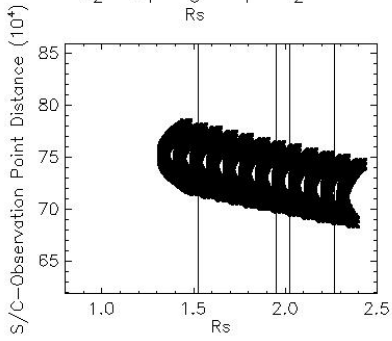


Observation Name:
UMS_179RLNP20L30S001_CIRS

Observation Date:
2013_020_01_56_01

Observation Duration:
3600 S

Integration time = 300 S

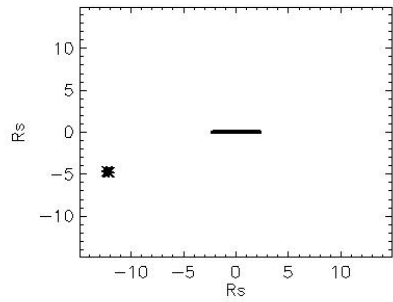
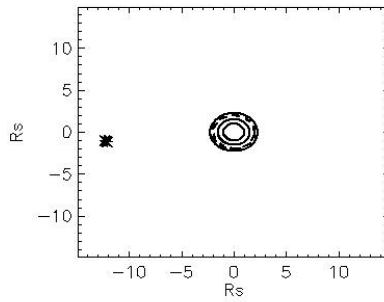
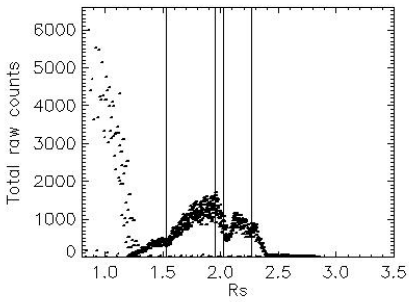
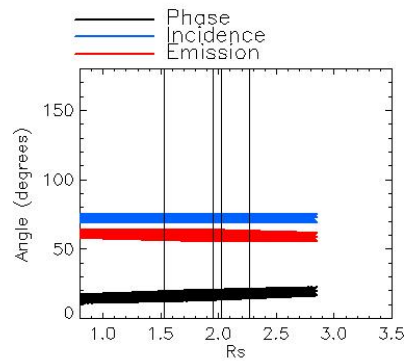
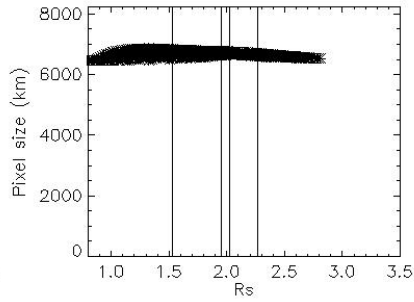
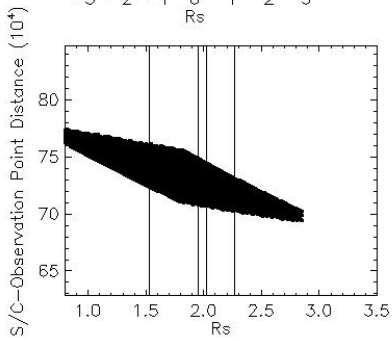
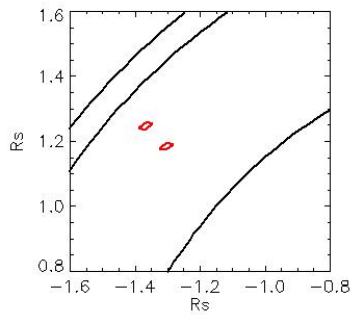
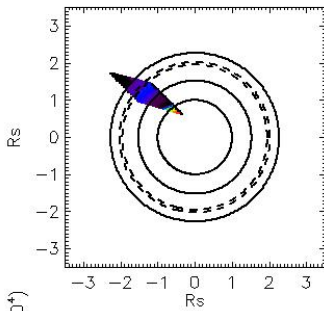


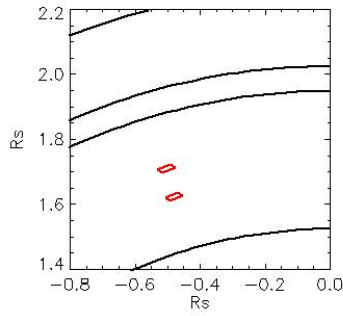
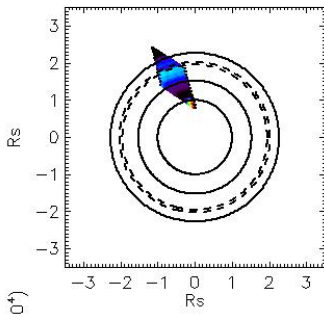
Observation Name:
UMS_179RLNP20L30S001_CIRS

Observation Date:
2013_020_03_07_01

Observation Duration:
3600 S

Integration time = 300 S



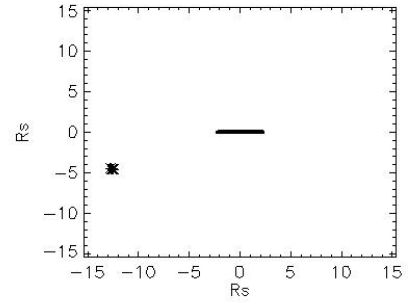
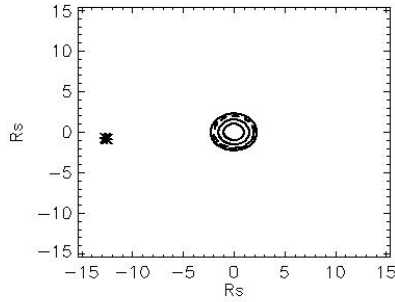
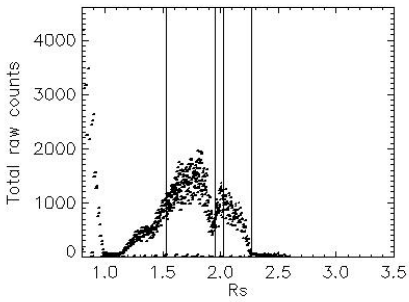
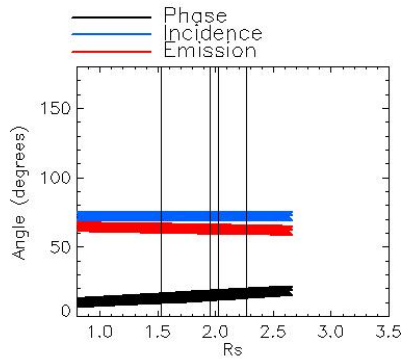
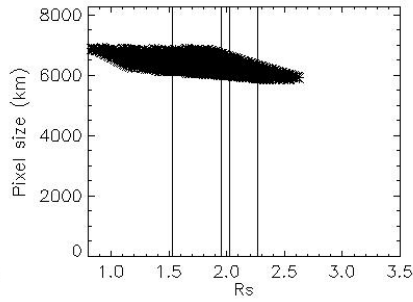
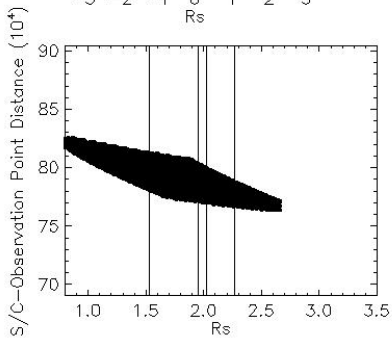


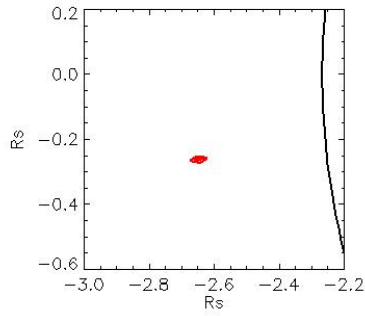
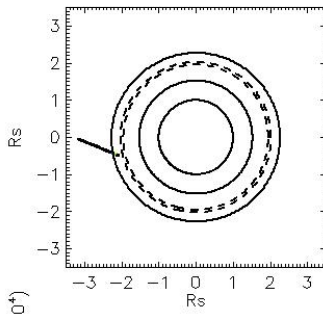
Observation Name:
UMS_179RLNP20L30S001_CIRS

Observation Date:
2013_020_04_18_01

Observation Duration:
3600 S

Integration time = 300 S



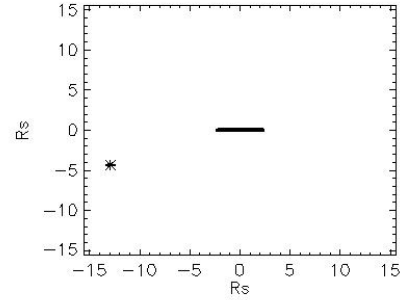
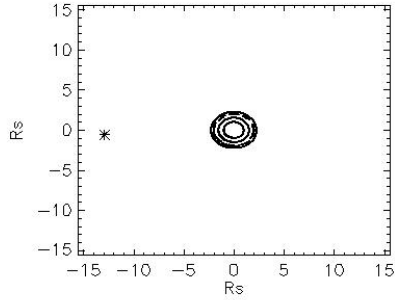
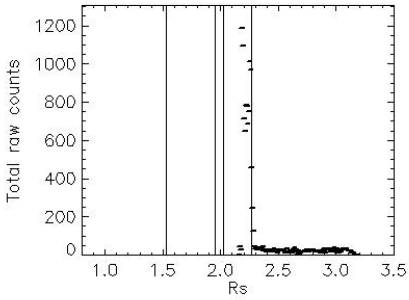
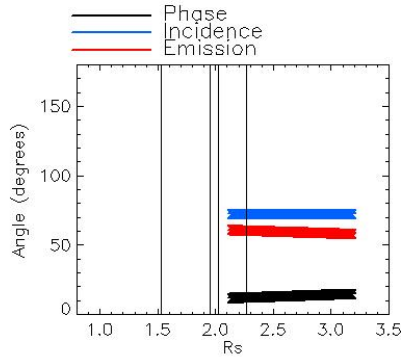
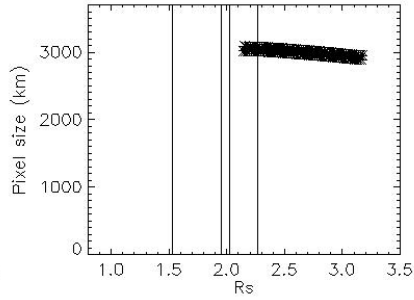
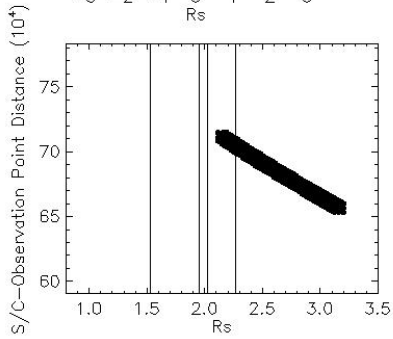


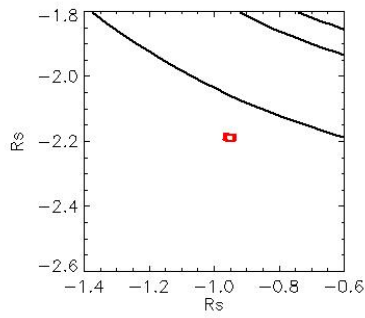
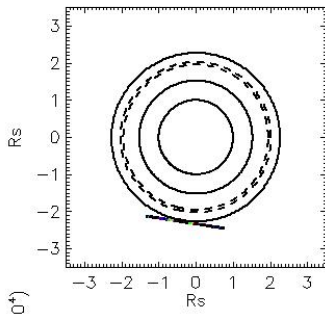
Observation Name:
UMS_179RLNP20L30S001_CIRS

Observation Date:
2013_020_05_36_01

Observation Duration:
600 S

Integration time = 300 S



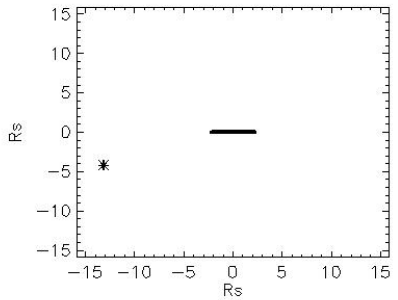
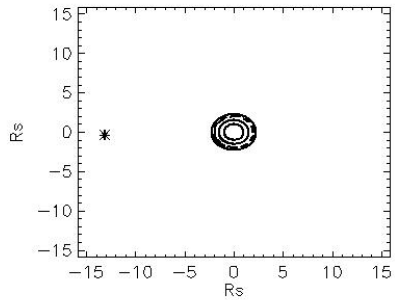
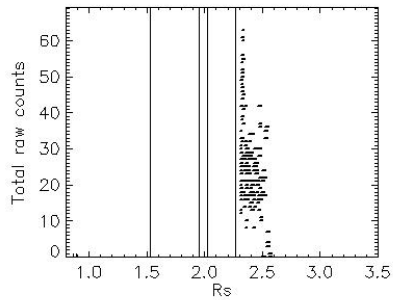
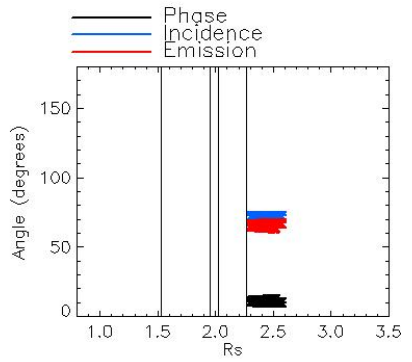
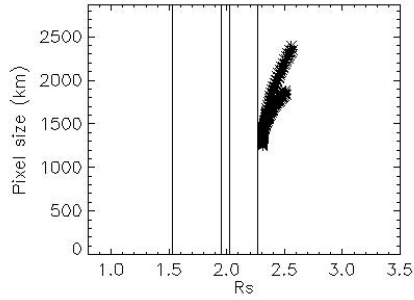
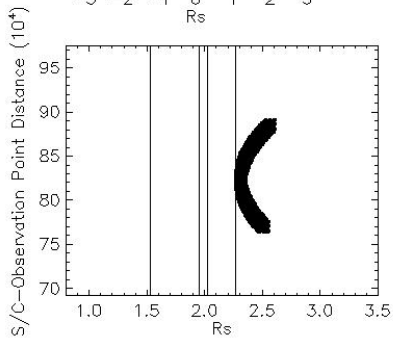


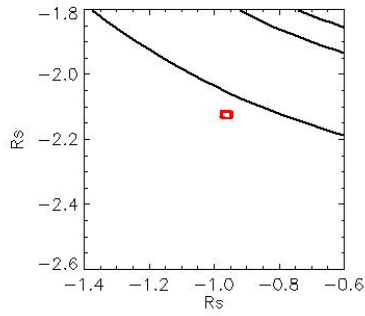
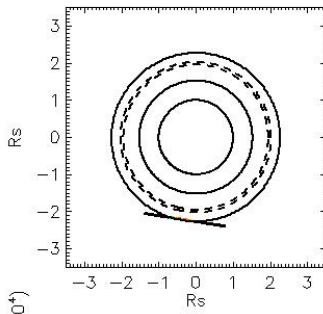
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_06_15_03

Observation Duration:
900 S

Integration time = 300 S



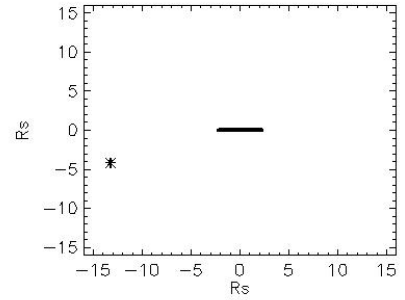
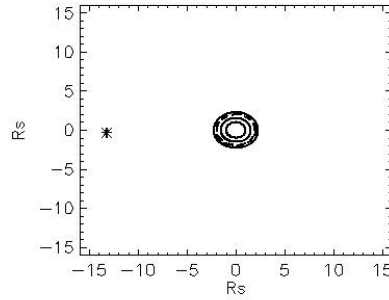
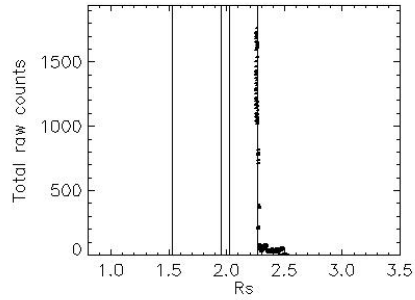
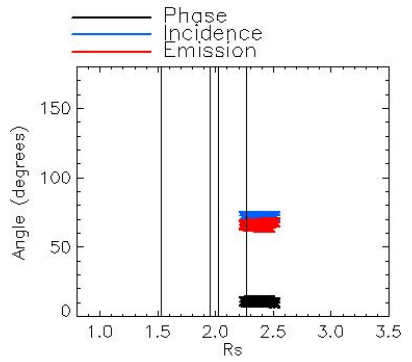
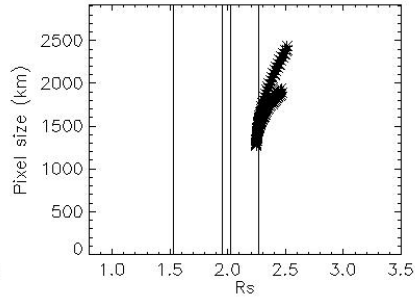
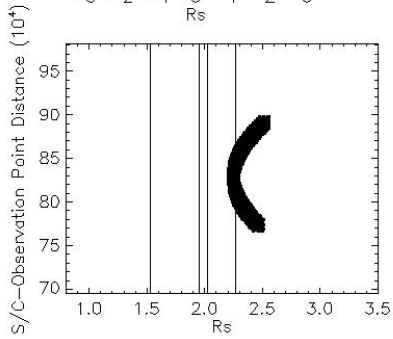


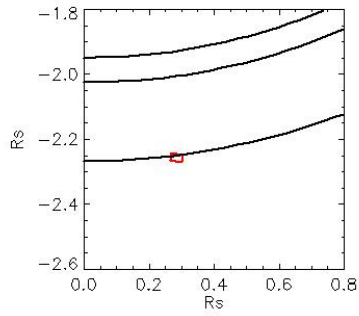
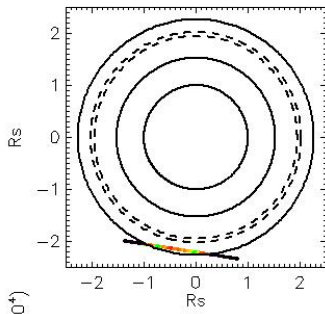
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_06_32_43

Observation Duration:
900 S

Integration time = 300 S



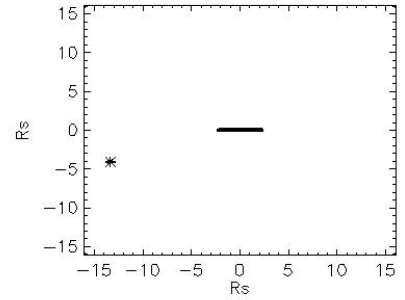
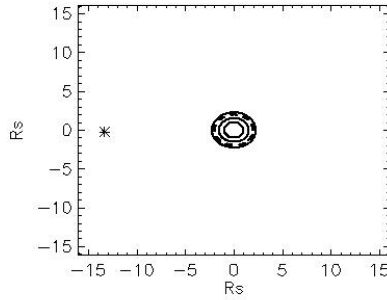
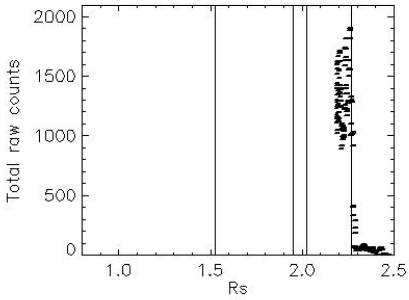
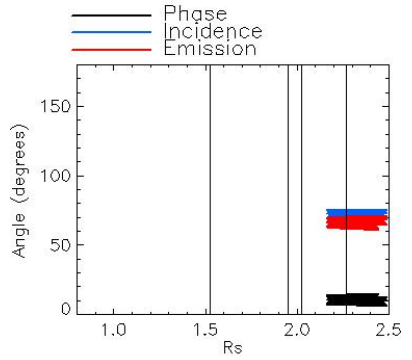
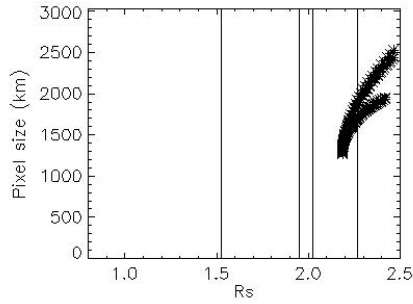
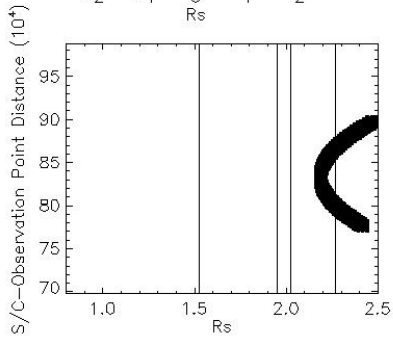


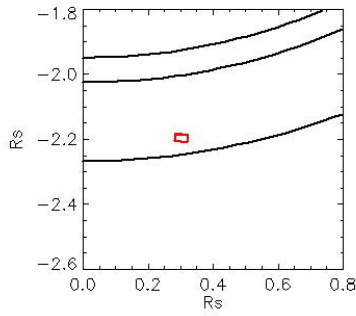
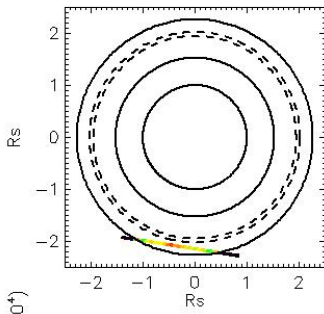
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

Observation Date:
2013_020_06_50_22

Observation Duration:
900 S

Integration time = 300 S



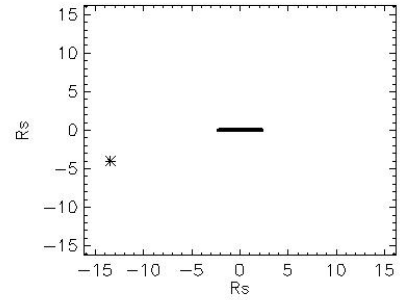
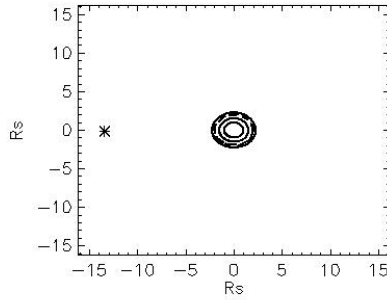
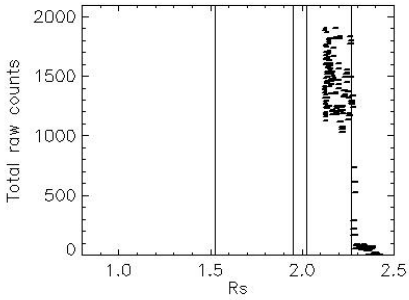
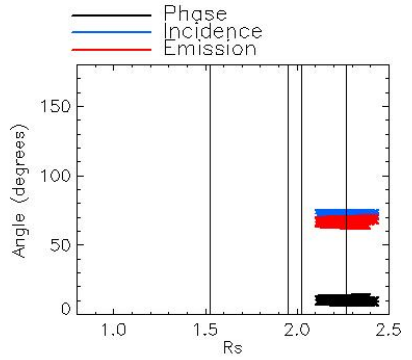
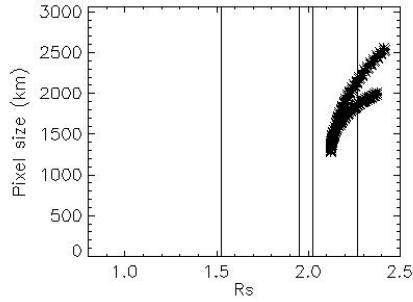
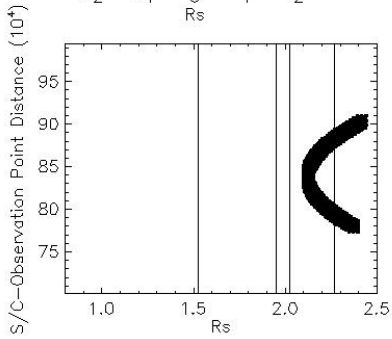


Observation Name:
UMS_179RLRDCOLSCNH001_ISS

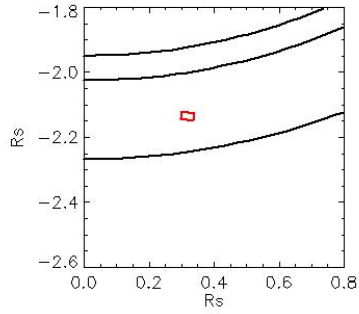
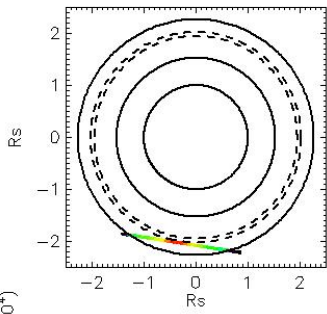
Observation Date:
2013_020_07_08_01

Observation Duration:
900 S

Integration time = 300 S



— Phase
— Incidence
— Emission

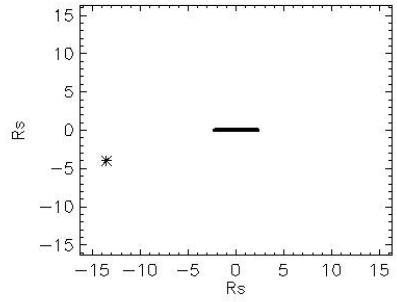
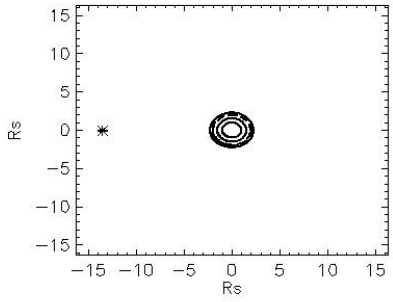
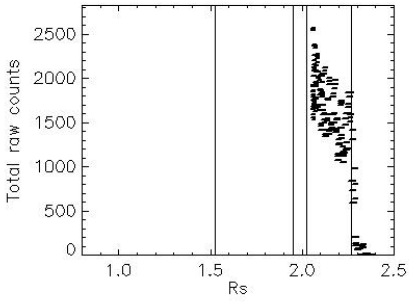
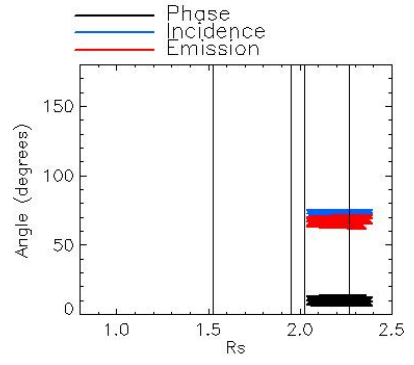
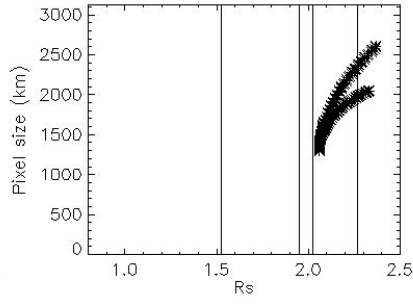
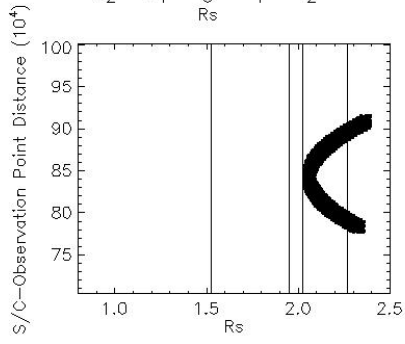


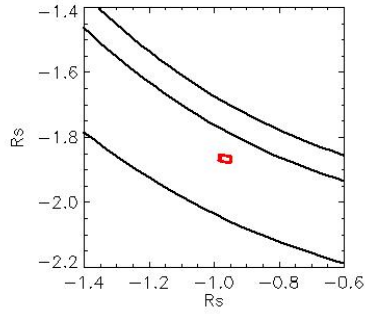
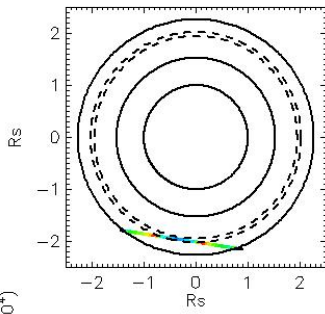
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

Observation Date:
2013_020_07_25_40

Observation Duration:
900 S

Integration time = 300 S



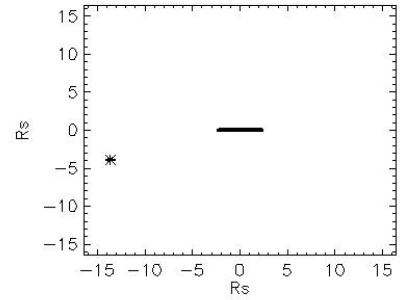
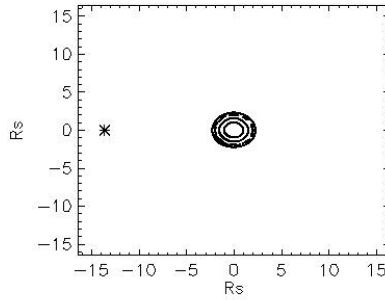
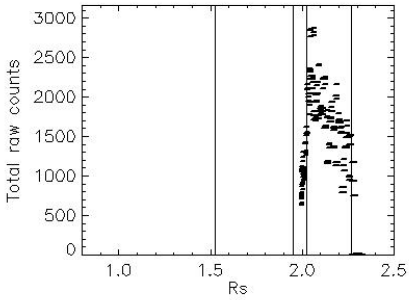
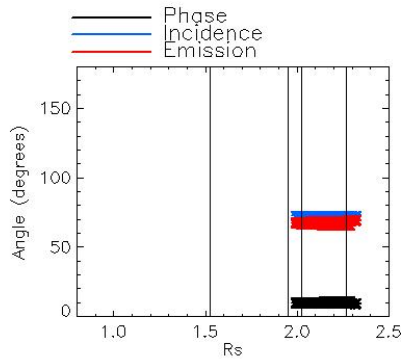
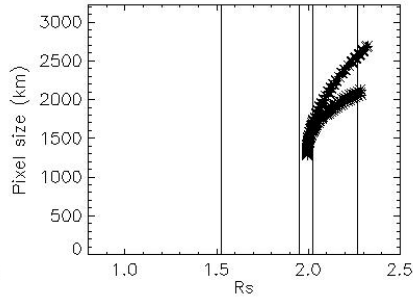
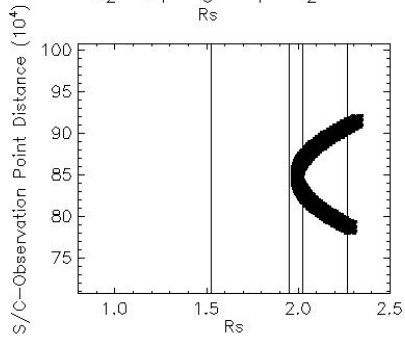


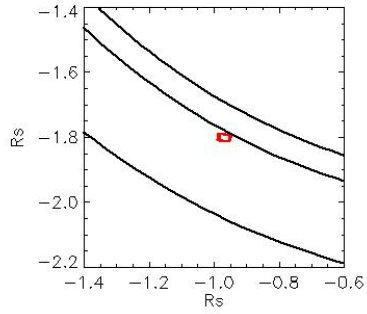
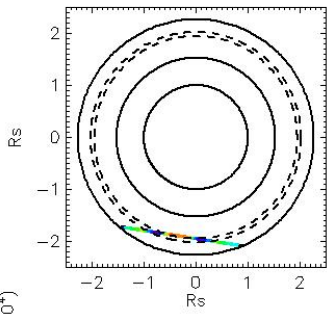
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_07_43_19

Observation Duration:
900 S

Integration time = 300 S



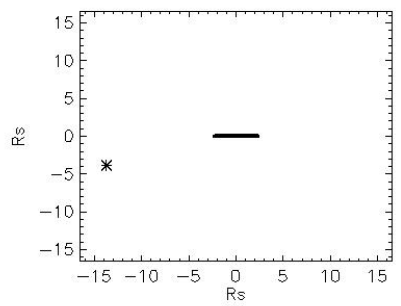
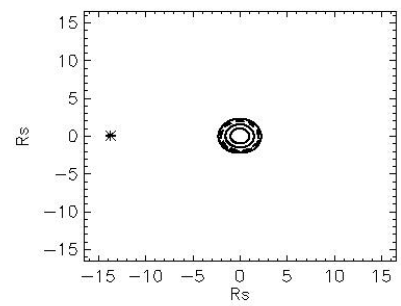
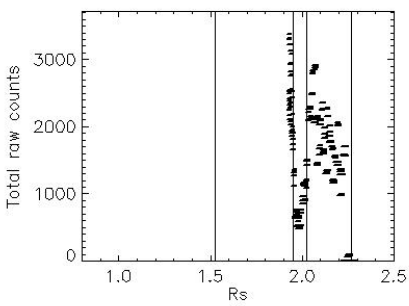
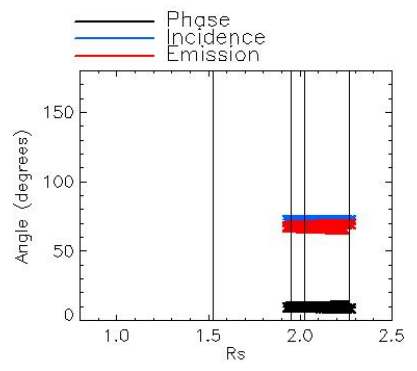
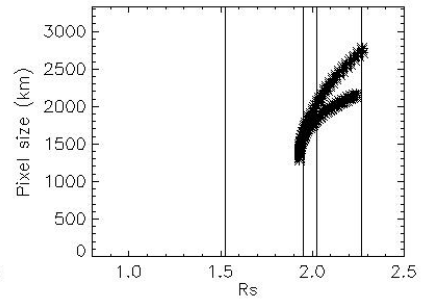
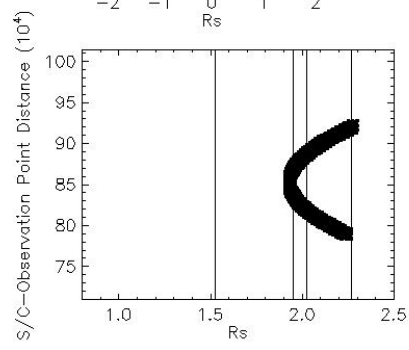


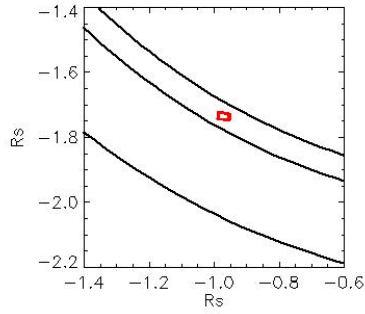
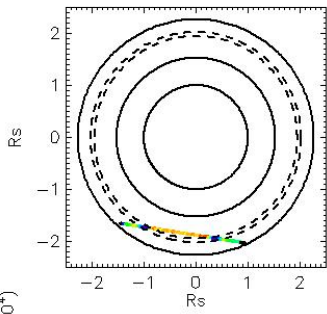
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_08_00_58

Observation Duration:
900 S

Integration time = 300 S





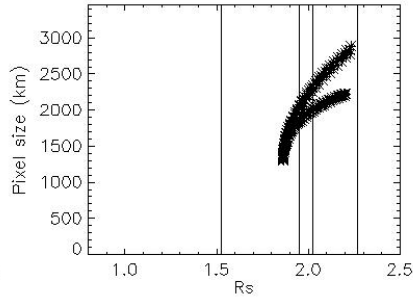
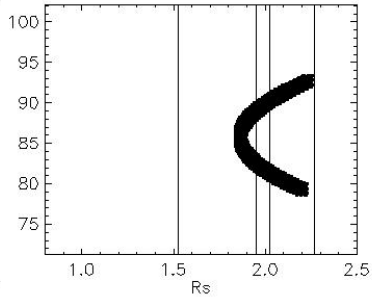
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

Observation Date:
2013_020_08_18_36

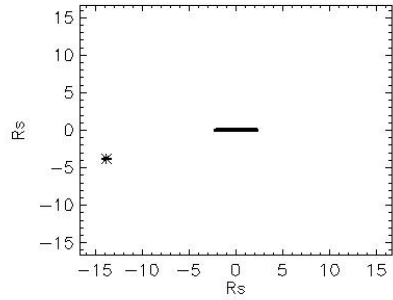
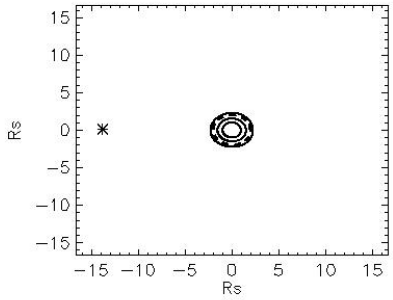
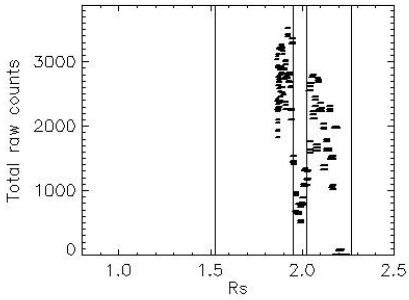
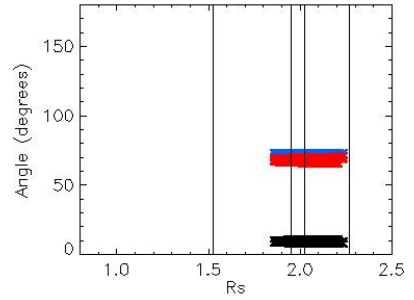
Observation Duration:
900 S

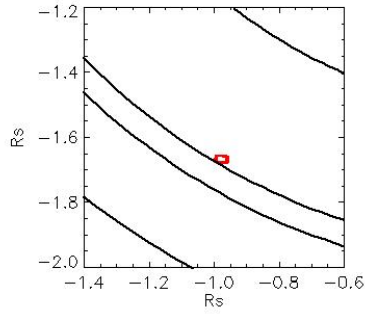
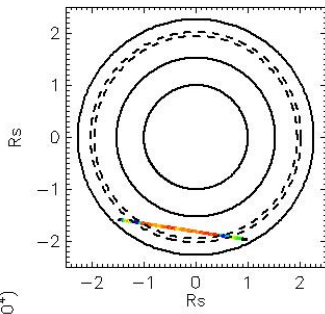
Integration time = 300 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission





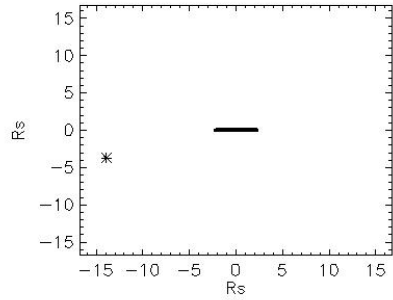
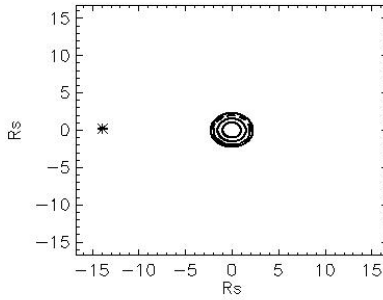
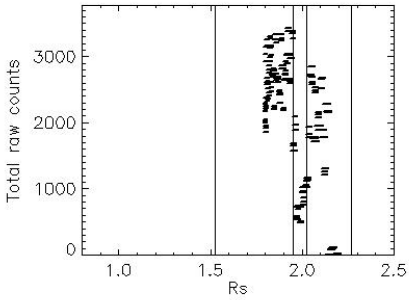
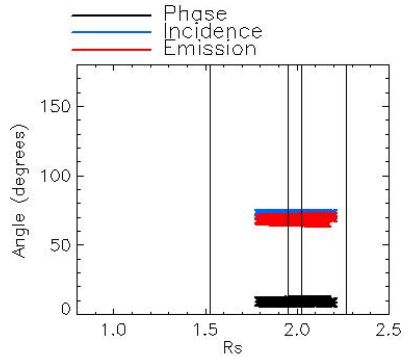
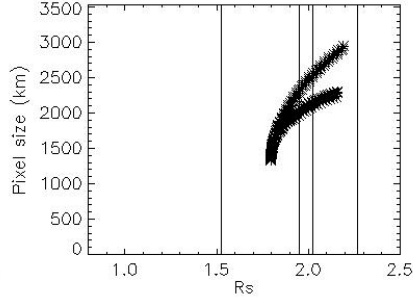
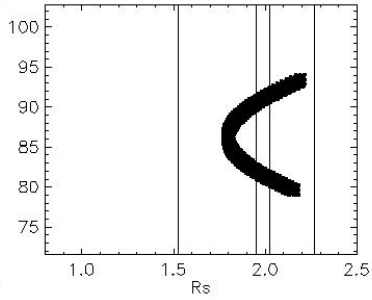
Observation Name:
UMS_179RLRDCOLSCNH001_IJSS

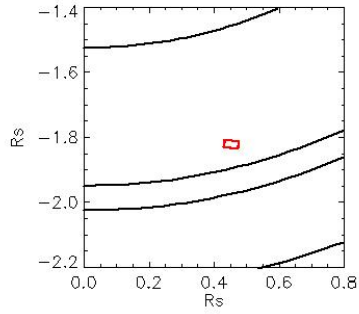
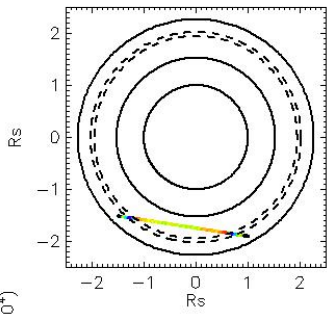
Observation Date:
2013_020_08_36_15

Observation Duration:
900 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)





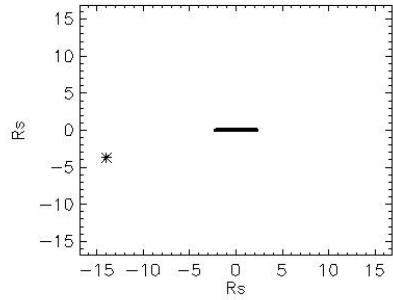
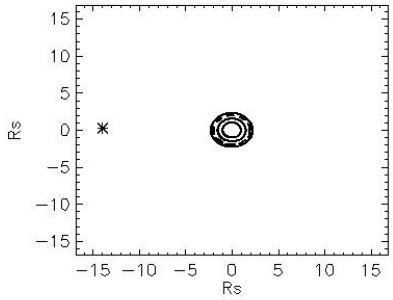
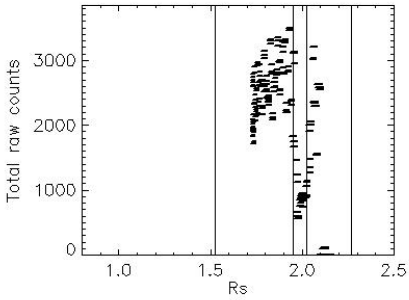
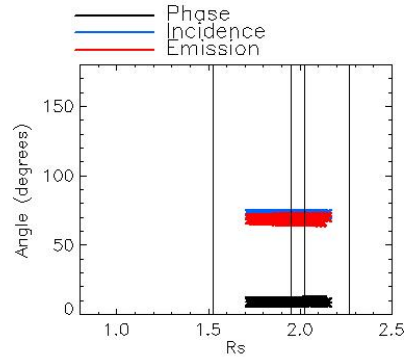
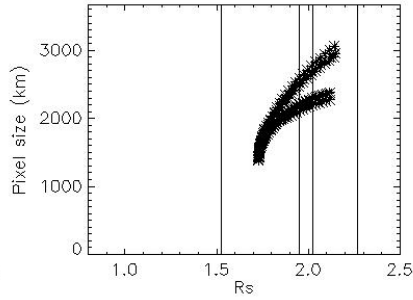
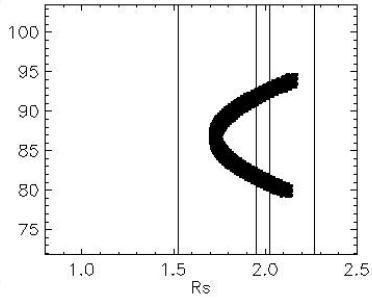
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

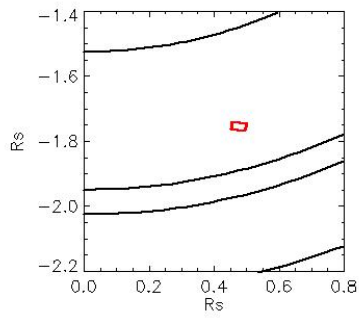
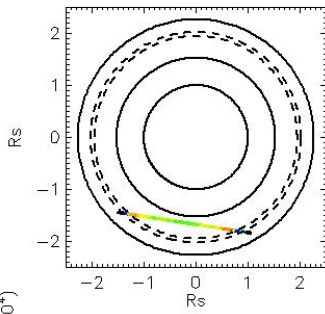
Observation Date:
2013_020_08_53_54

Observation Duration:
900 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)





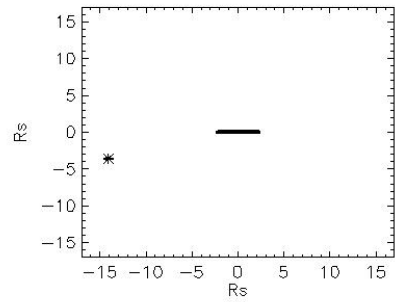
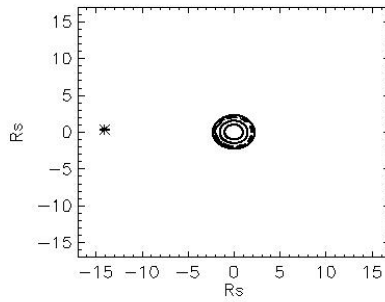
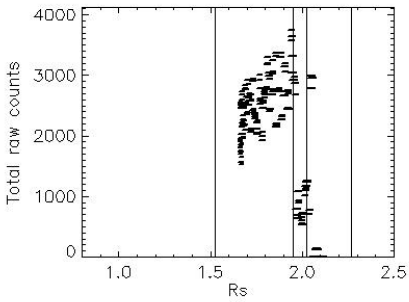
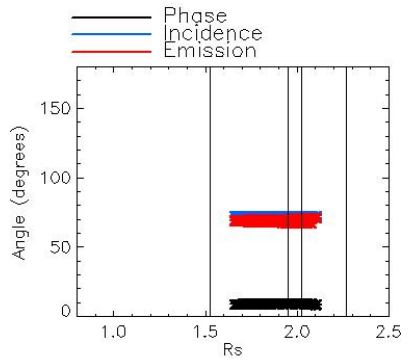
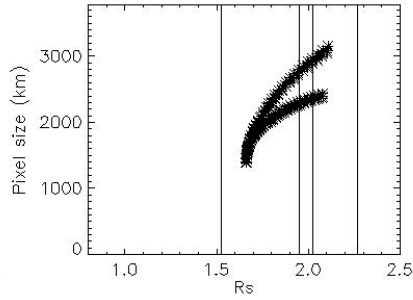
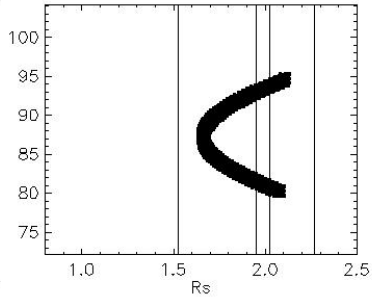
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

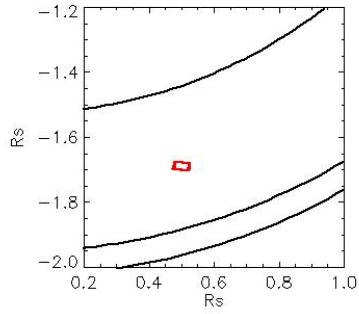
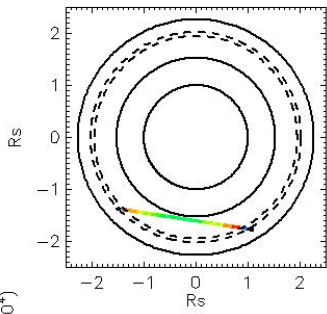
Observation Date:
2013_020_09_11_33

Observation Duration:
900 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)





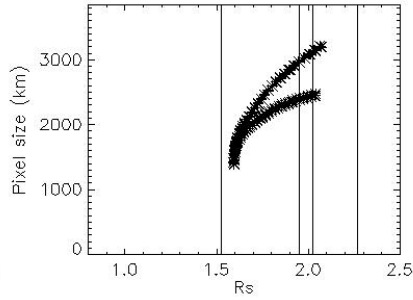
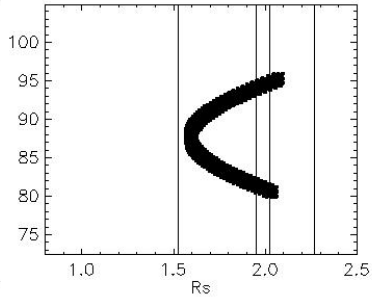
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

Observation Date:
2013_020_09_29_12

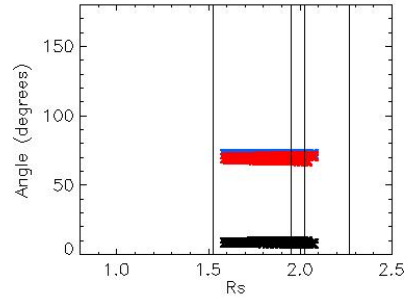
Observation Duration:
900 S

Integration time = 300 S

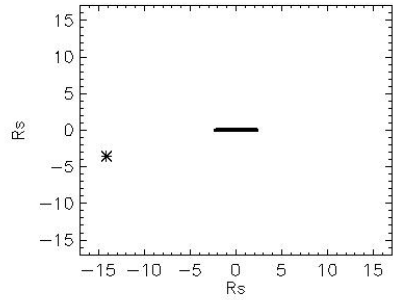
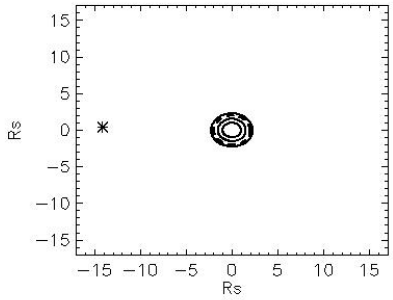
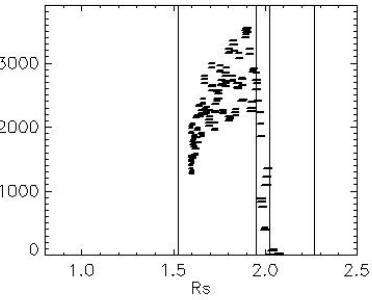
S/C—Observation Point Distance (10^4)

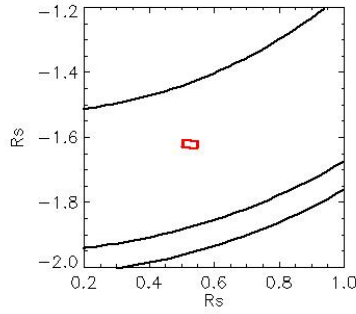
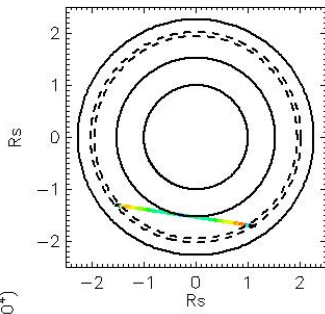


— Phase
— Incidence
— Emission



Total raw counts



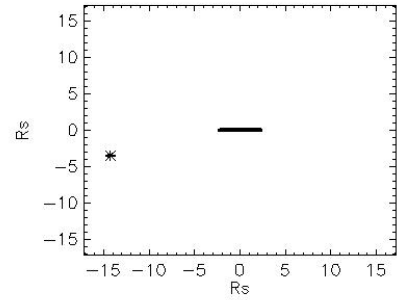
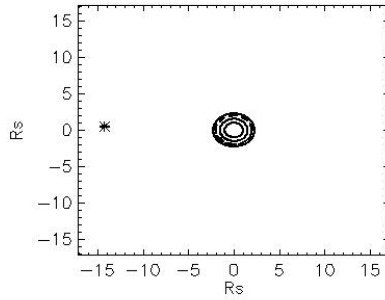
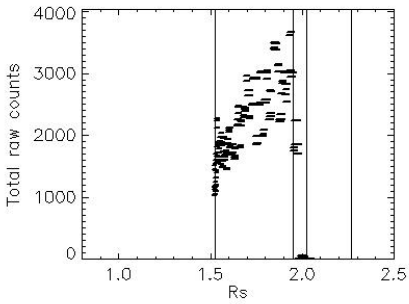
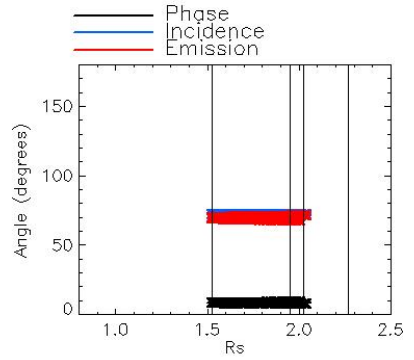
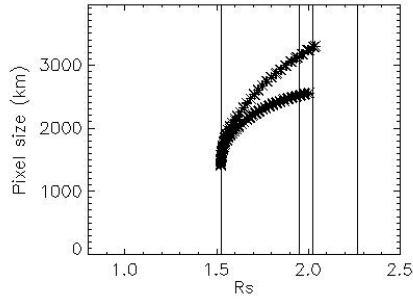
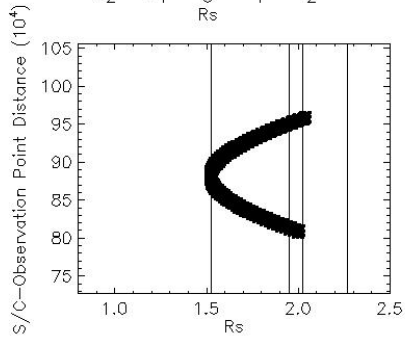


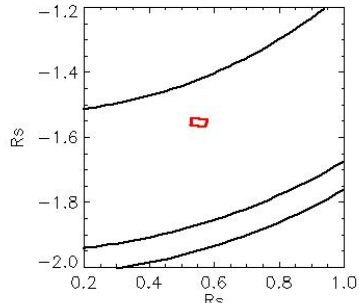
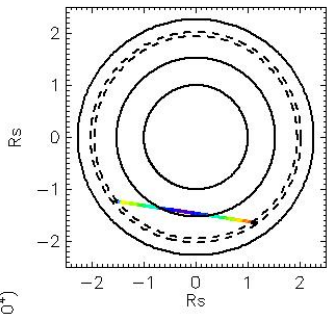
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

Observation Date:
2013_020_09_46_51

Observation Duration:
900 S

Integration time = 300 S



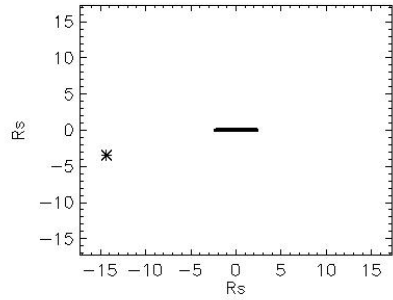
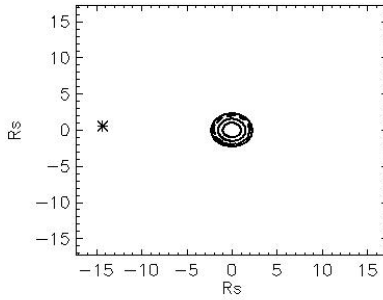
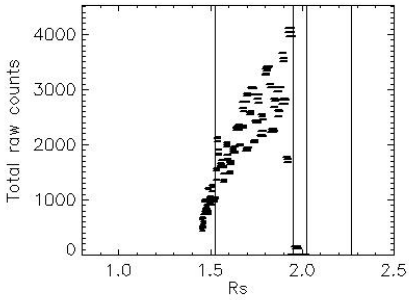
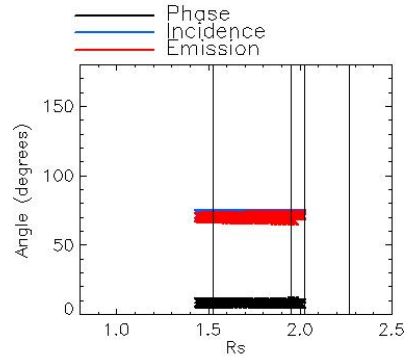
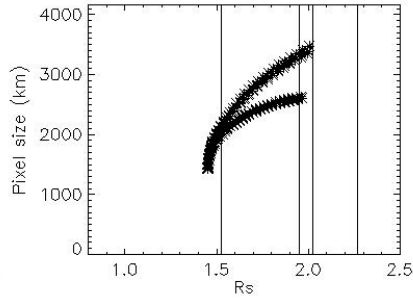
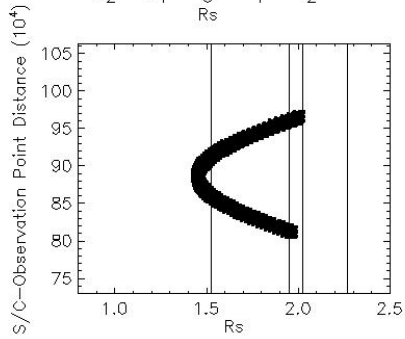


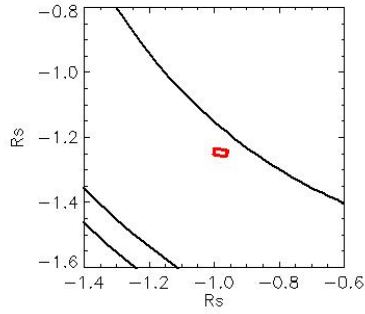
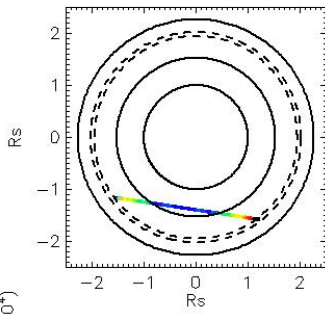
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_10_04_30

Observation Duration:
900 S

Integration time = 300 S



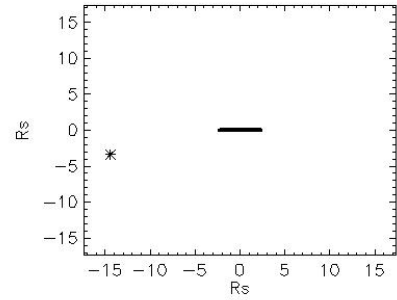
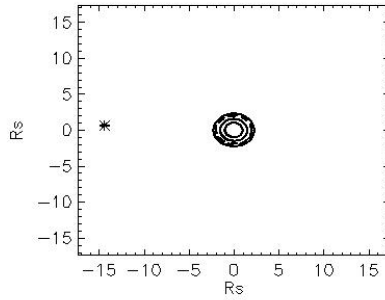
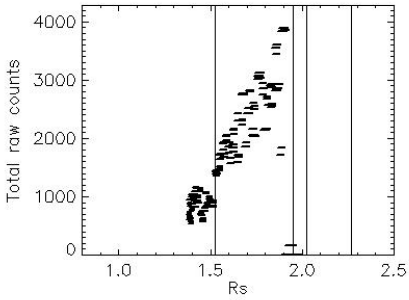
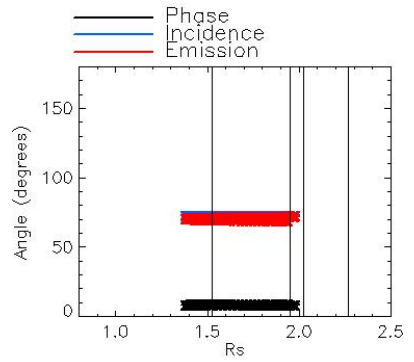
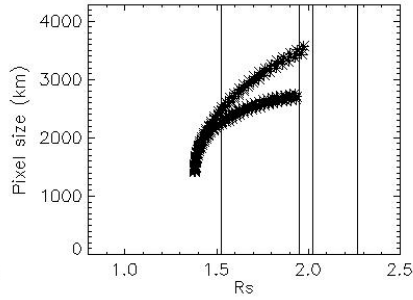
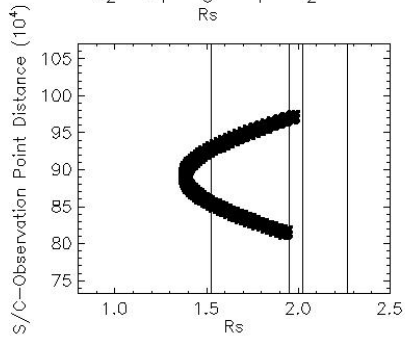


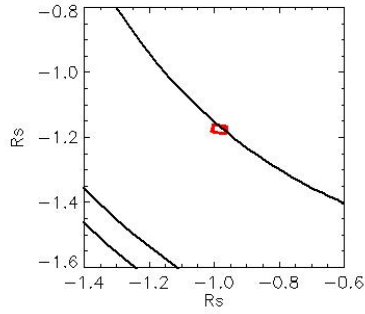
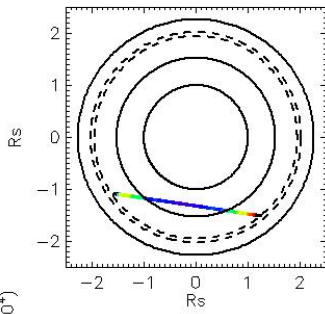
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_10_22_09

Observation Duration:
900 S

Integration time = 300 S



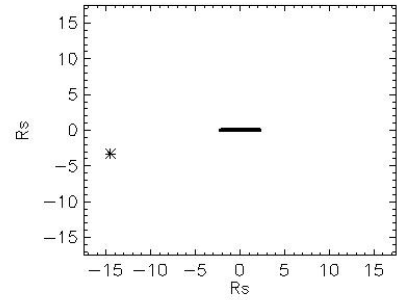
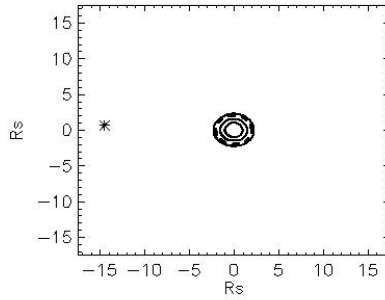
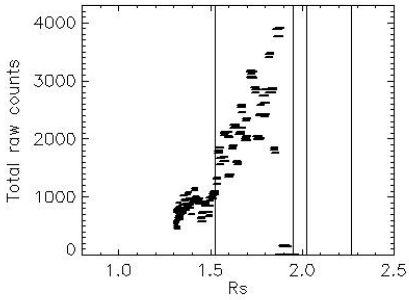
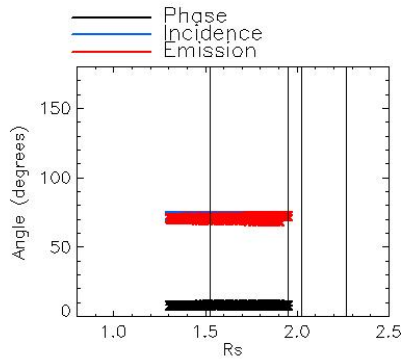
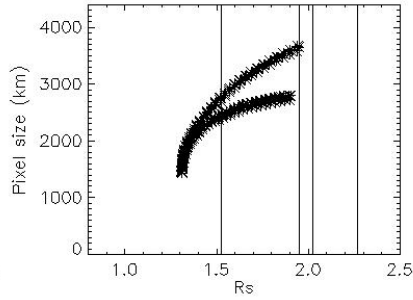
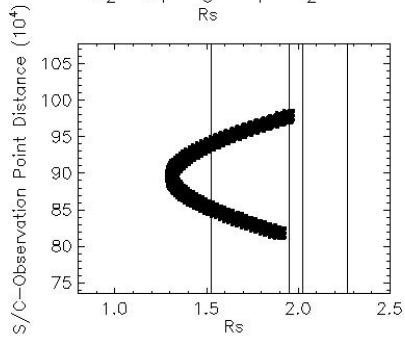


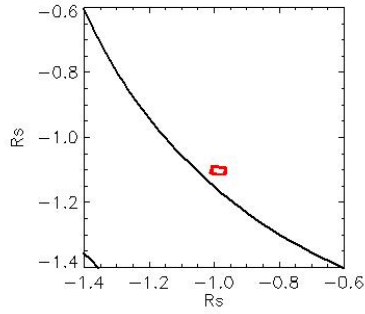
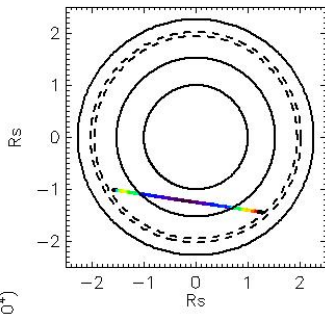
Observation Name:
UMS_179RLRDCOLSCNH001_IJS

Observation Date:
2013_020_10_39_48

Observation Duration:
900 S

Integration time = 300 S





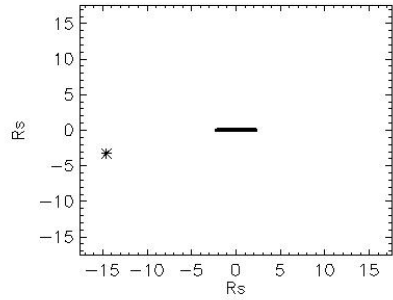
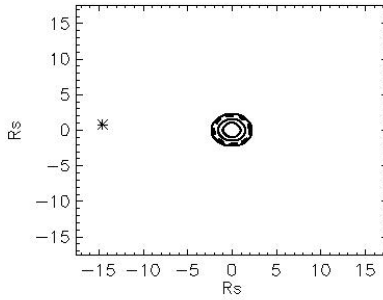
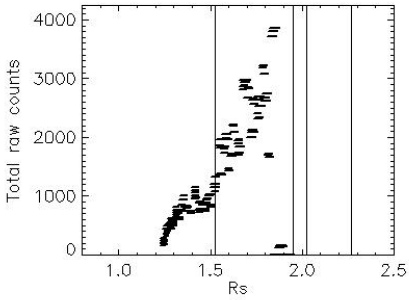
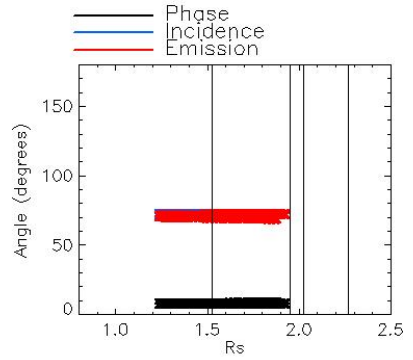
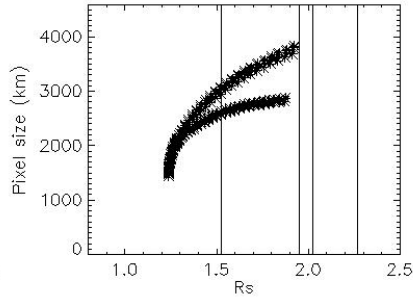
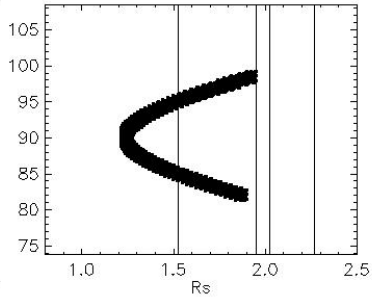
Observation Name:
UMS_179RLRDCOLSCNH001_ISS

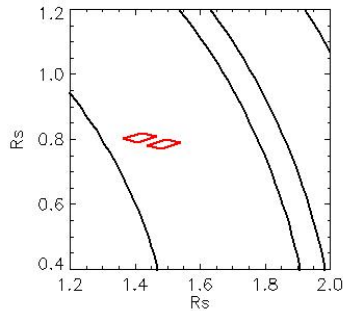
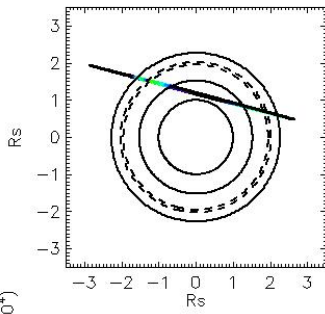
Observation Date:
2013_020_10_57_27

Observation Duration:
900 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



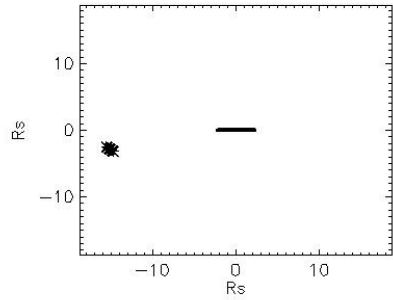
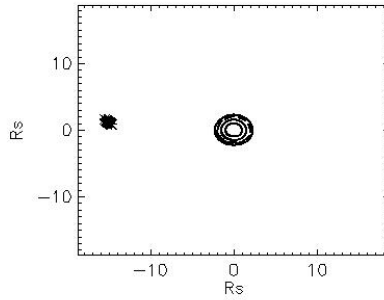
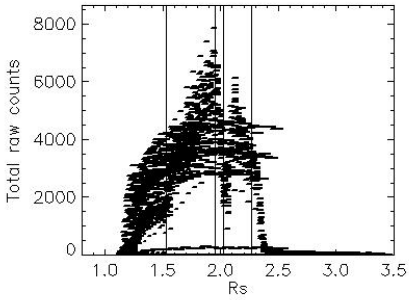
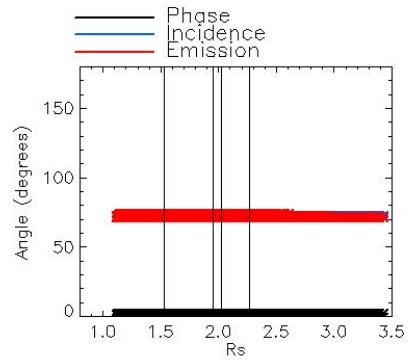
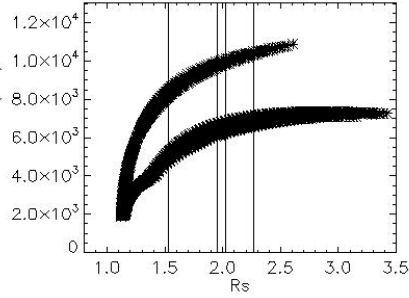
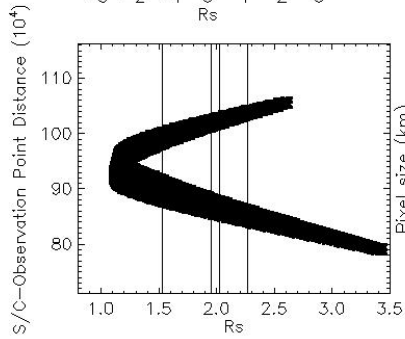


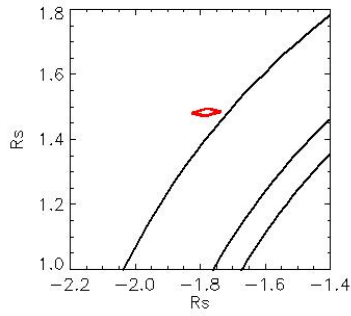
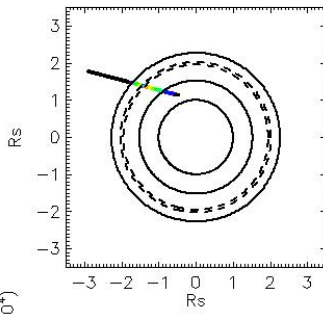
Observation Name:
UMS_179RL0PHASEB001_VIMS

Observation Date:
2013_020_11_29_02

Observation Duration:
12600 S

Integration time = 300 S



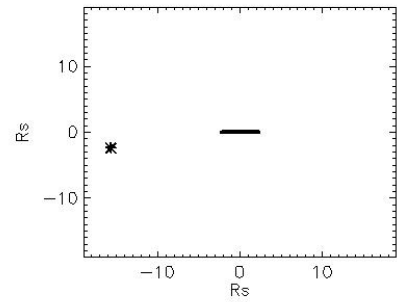
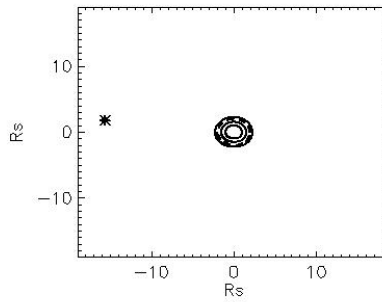
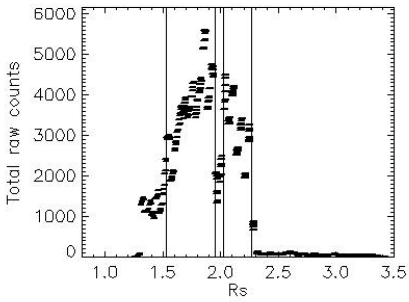
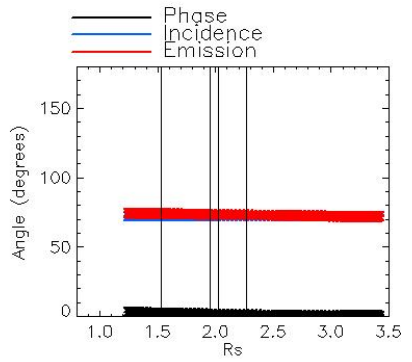
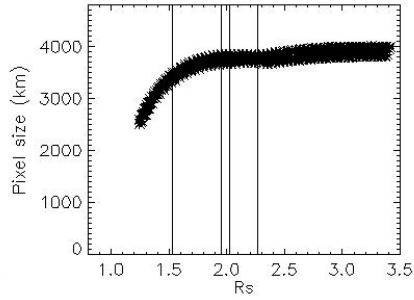
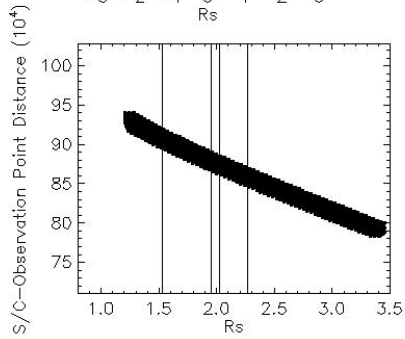


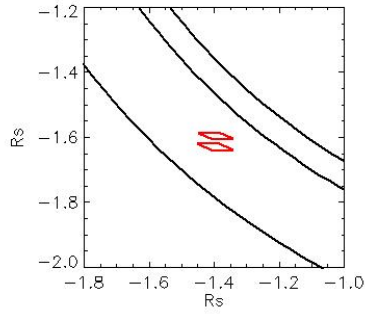
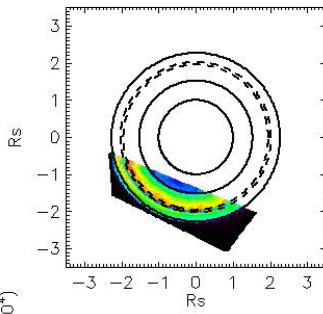
Observation Name:
UMS_179RL0PHASE001_VIMS

Observation Date:
2013_020_15_05_02

Observation Duration:
2400 S

Integration time = 300 S



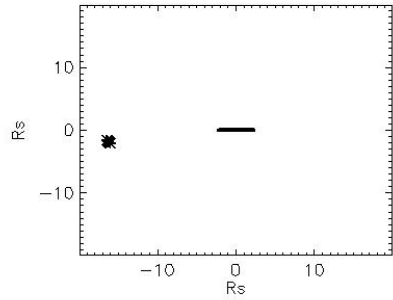
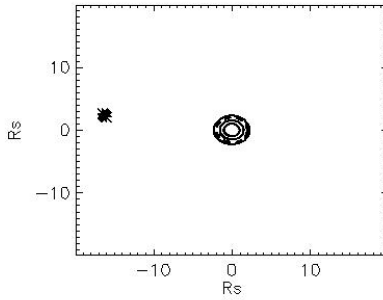
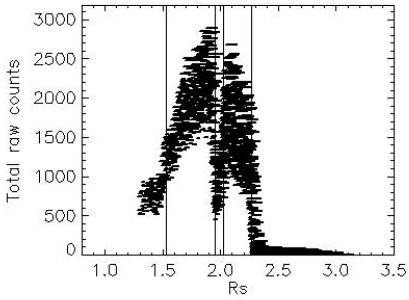
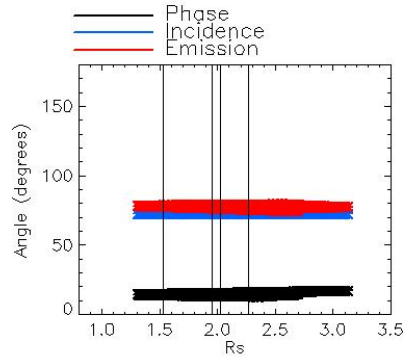
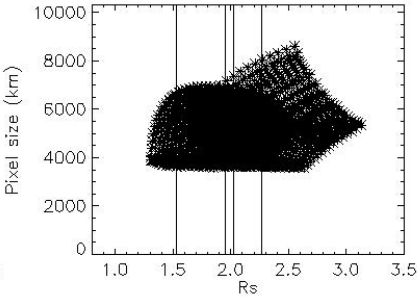
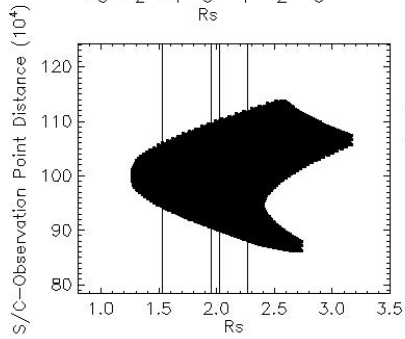


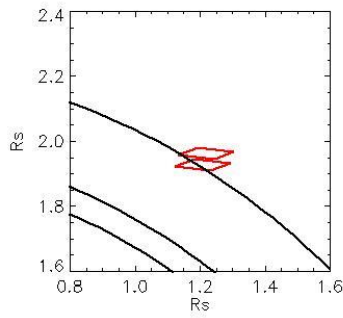
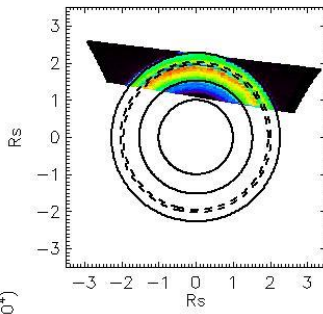
Observation Name:
UMS_179RLNP10L30N001_CIRS

Observation Date:
2013_020_16_35_00

Observation Duration:
9600 S

Integration time = 300 S



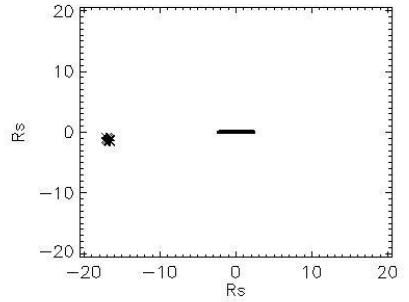
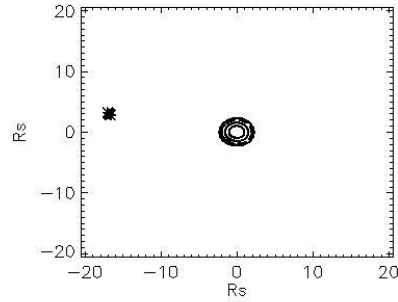
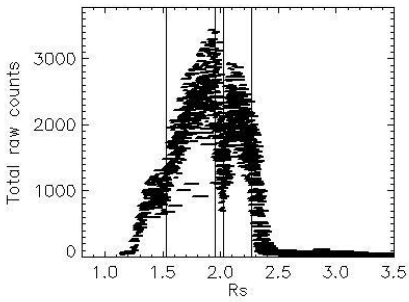
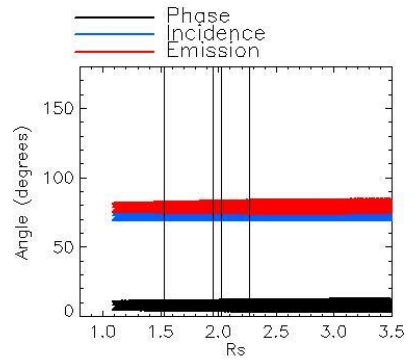
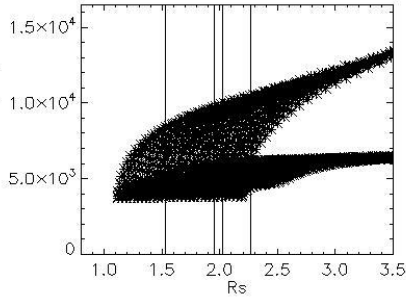
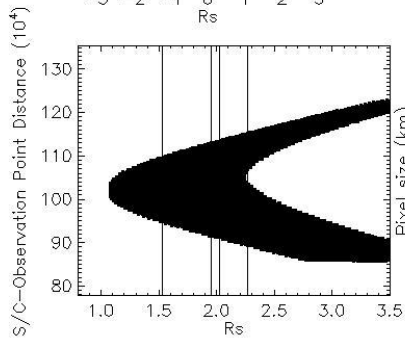


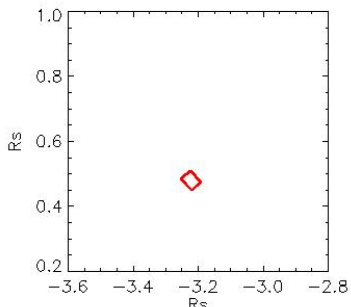
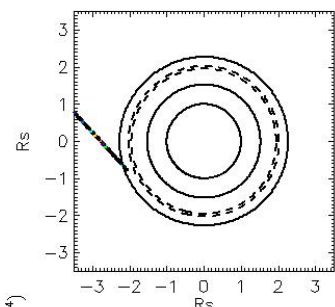
Observation Name:
UMS_179RLNP10L30N001_CIRS

Observation Date:
2013_020_19_28_00

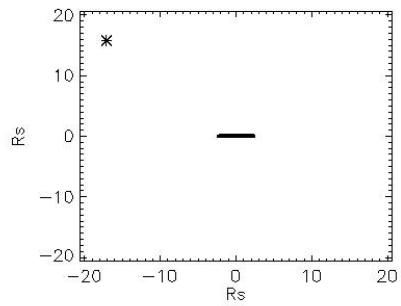
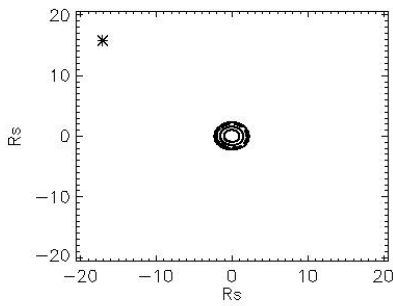
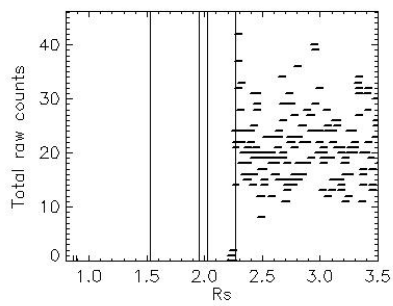
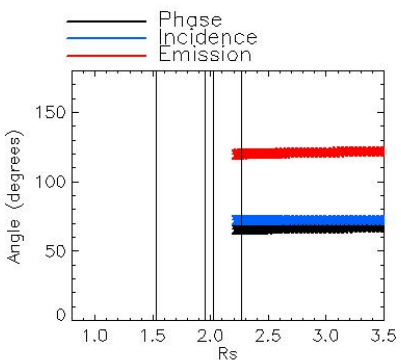
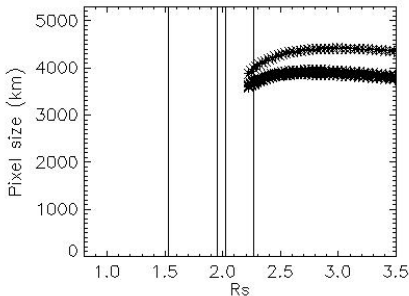
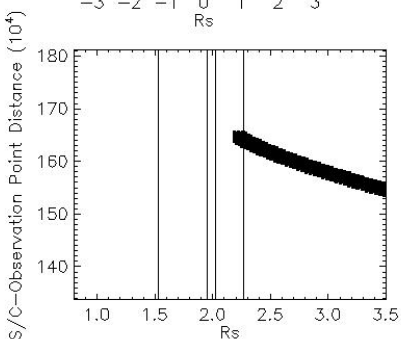
Observation Duration:
9600 S

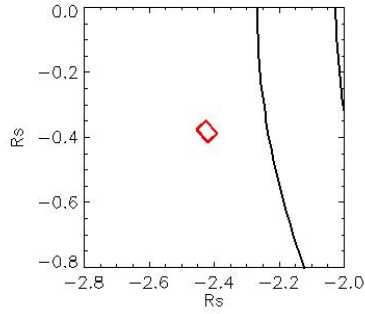
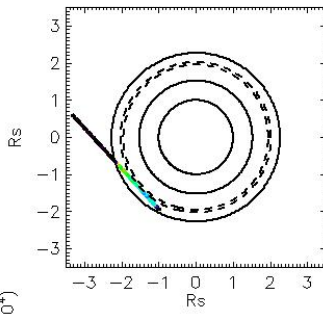
Integration time = 300 S





Observation Name:
 UVS_179RLAPOMOSAIC001_VIMS
 Observation Date:
 2013_024_17_47_57
 Observation Duration:
 1500 S
 Integration time = 300 S



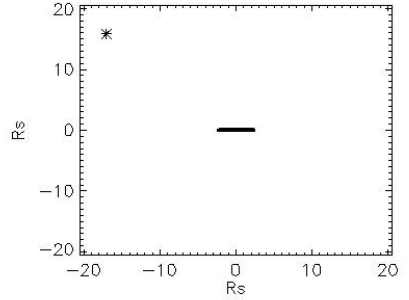
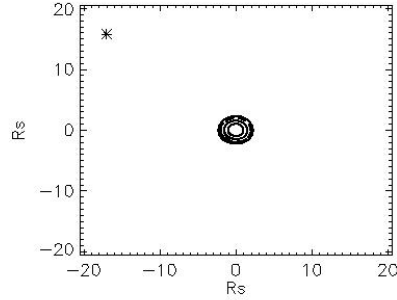
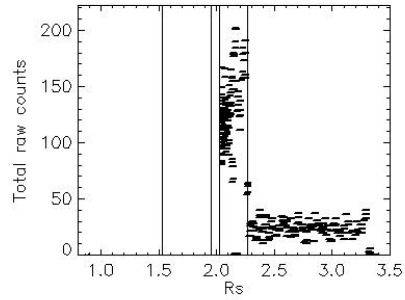
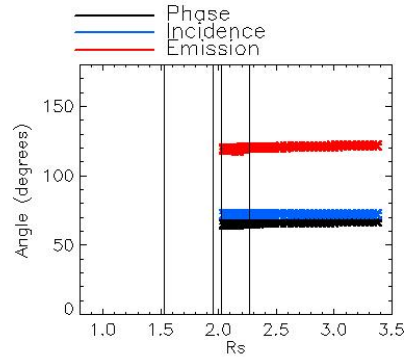
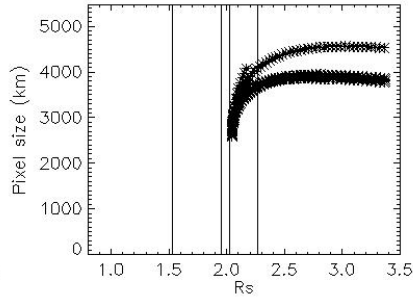
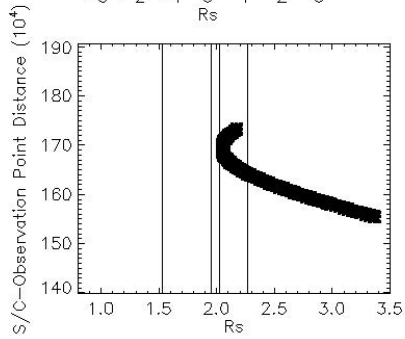


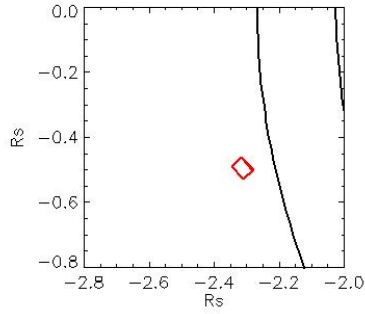
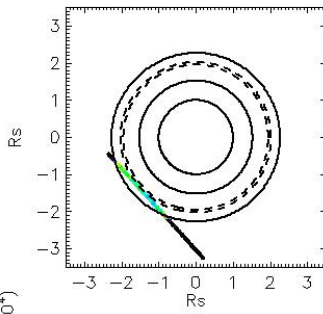
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_18_17_12

Observation Duration:
1500 S

Integration time = 300 S



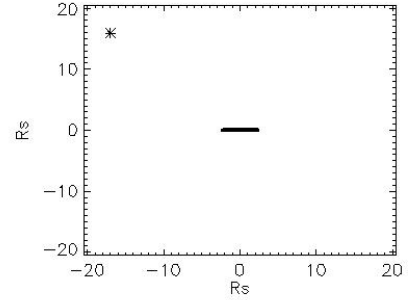
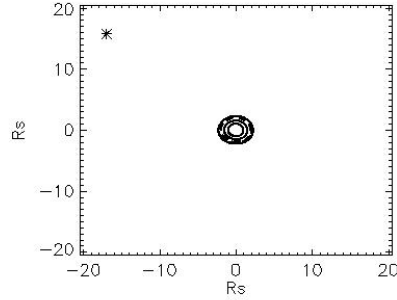
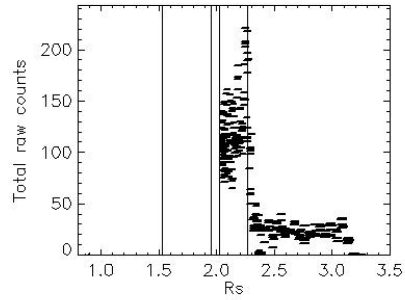
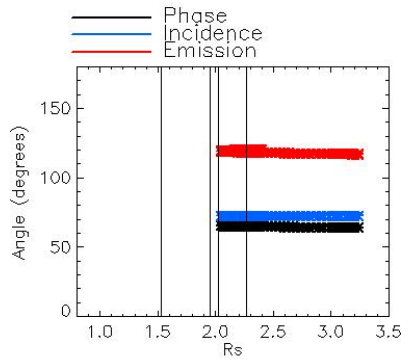
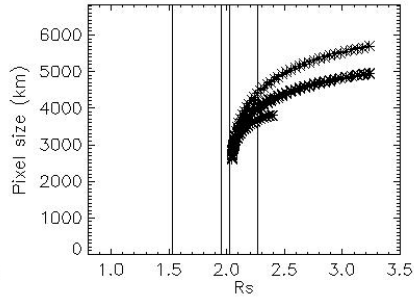
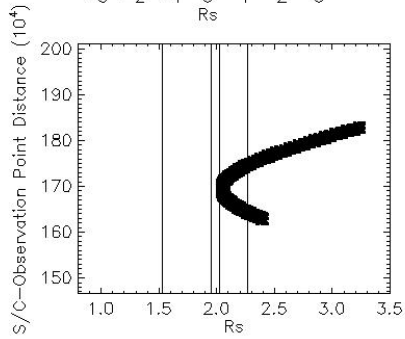


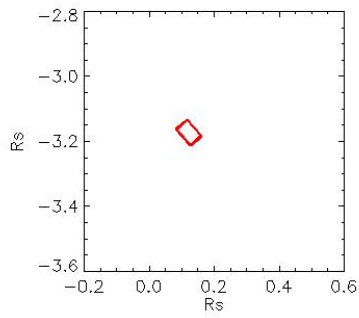
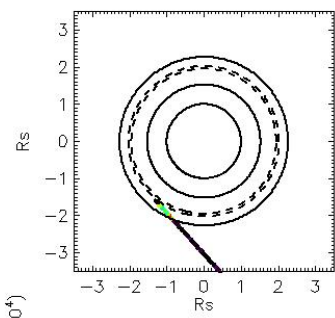
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_18_46_26

Observation Duration:
1500 S

Integration time = 300 S



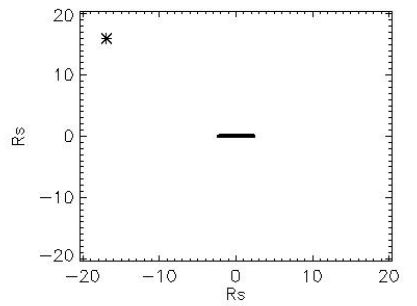
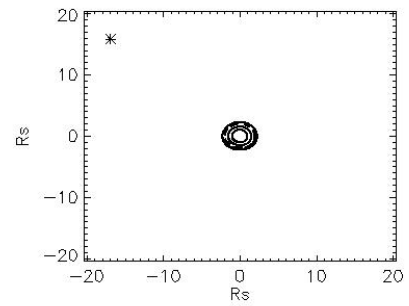
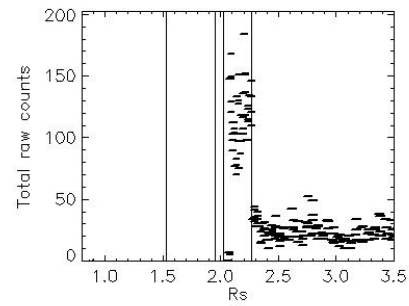
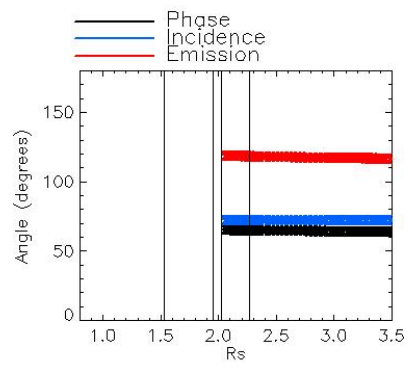
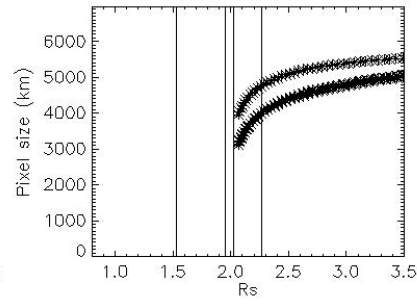
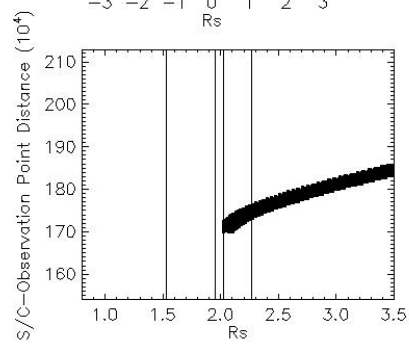


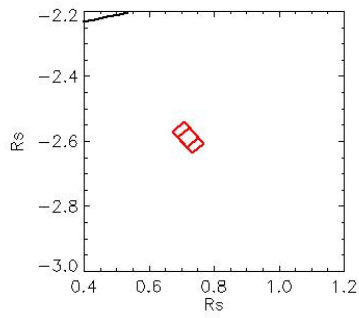
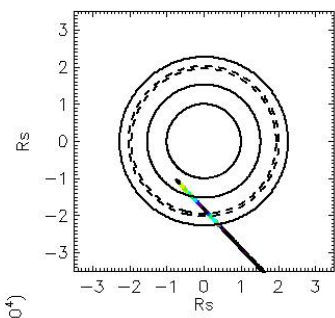
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_19_15_40

Observation Duration:
1500 S

Integration time = 300 S



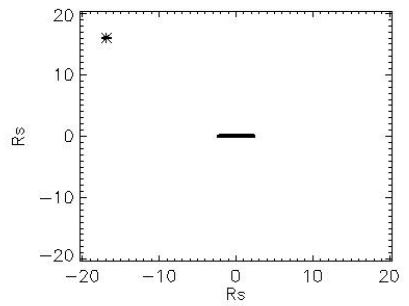
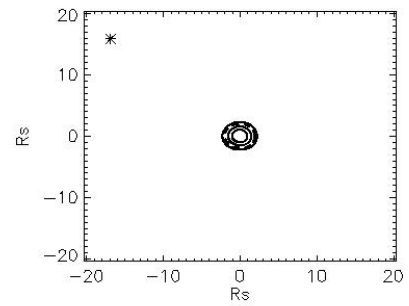
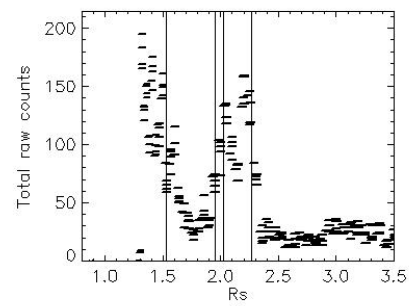
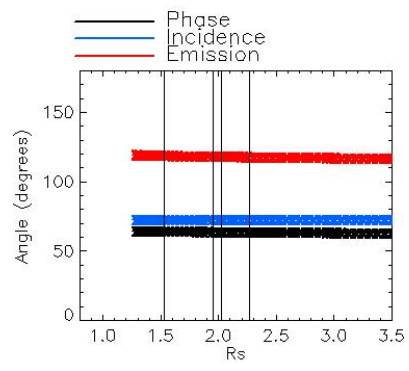
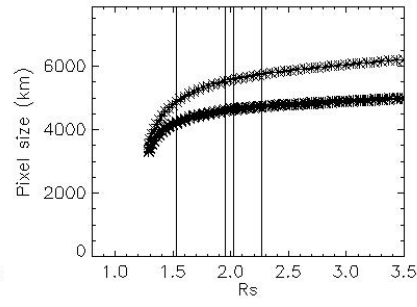
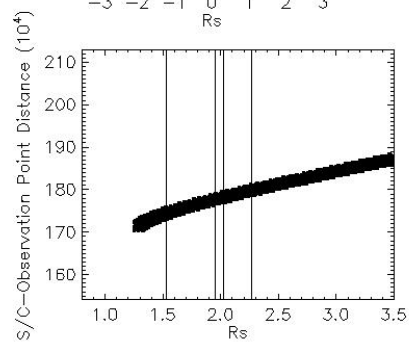


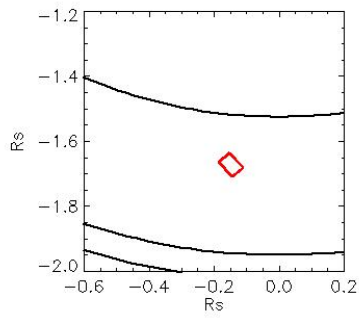
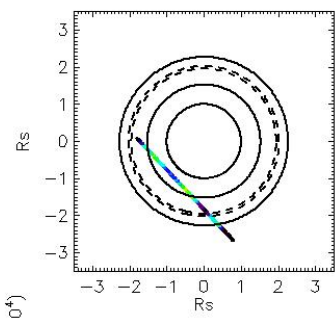
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_19_44_16

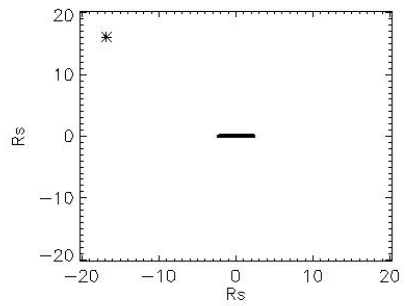
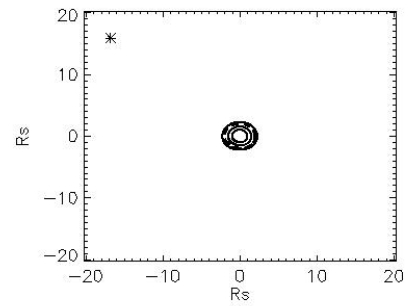
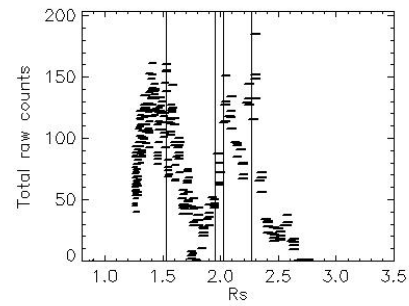
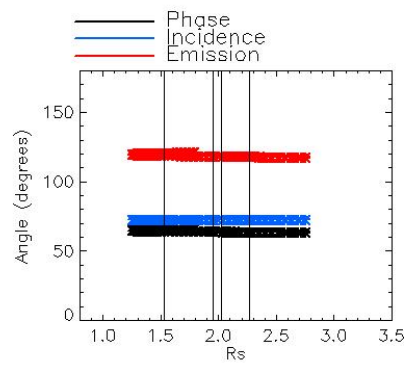
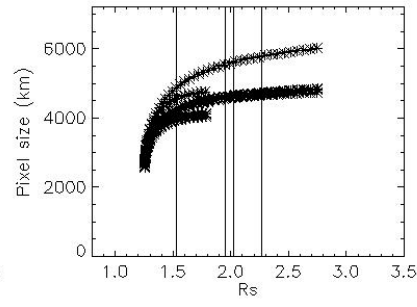
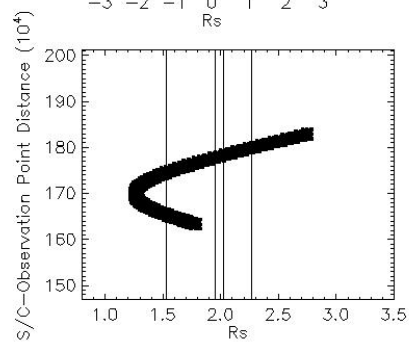
Observation Duration:
1500 S

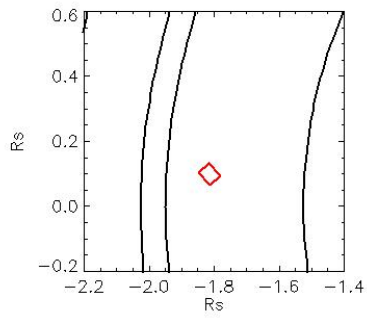
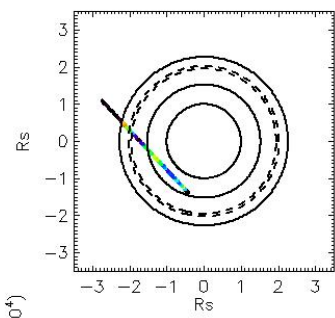
Integration time = 300 S



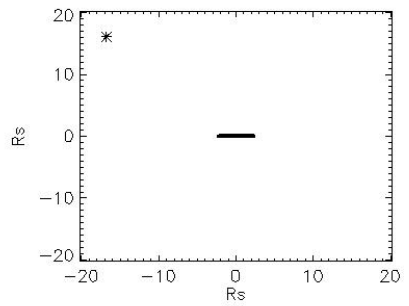
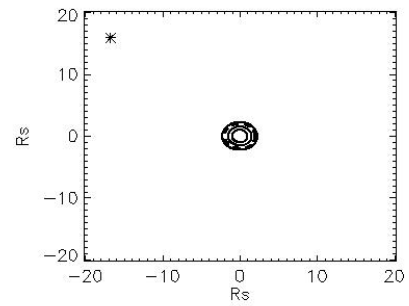
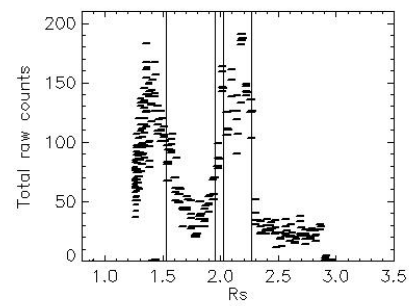
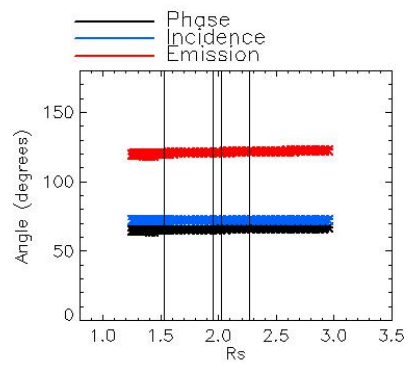
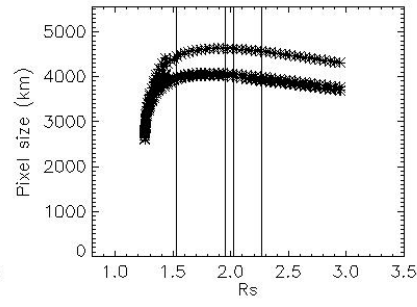
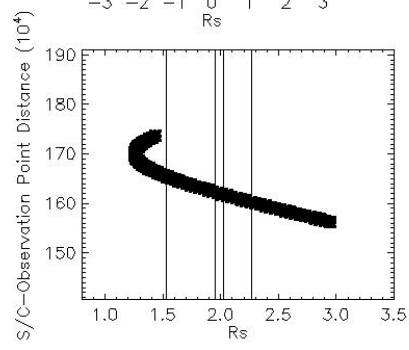


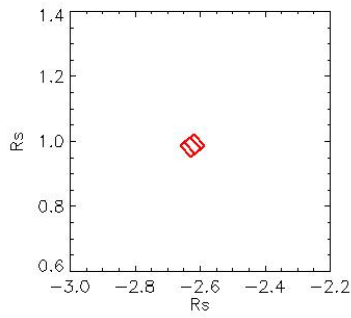
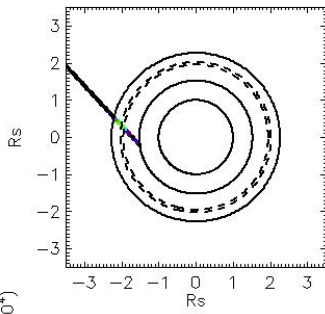
Observation Name:
 UVS_179RLAPOMOSAIC001_VIMS
 Observation Date:
 2013_024_20_13_30
 Observation Duration:
 1500 S
 Integration time = 300 S





Observation Name:
 UVS_179RLAPOMOSAIC001_VIMS
 Observation Date:
 2013_024_20_42_44
 Observation Duration:
 1500 S
 Integration time = 300 S



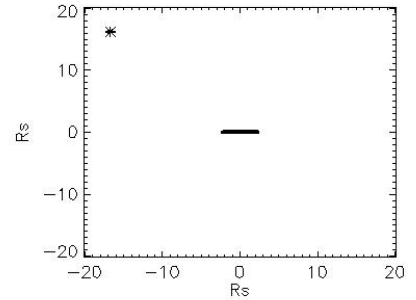
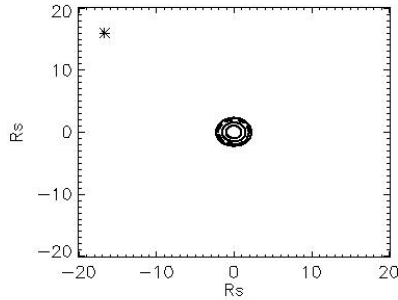
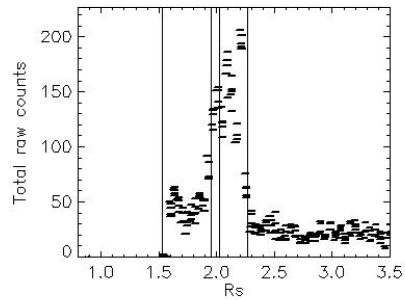
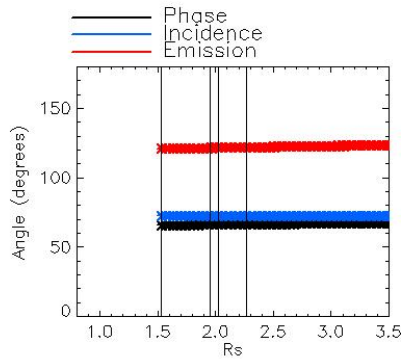
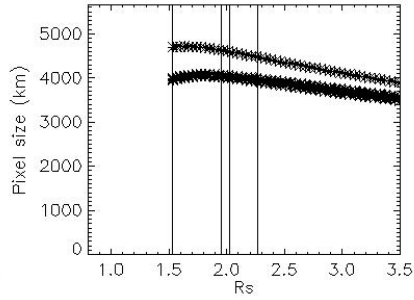
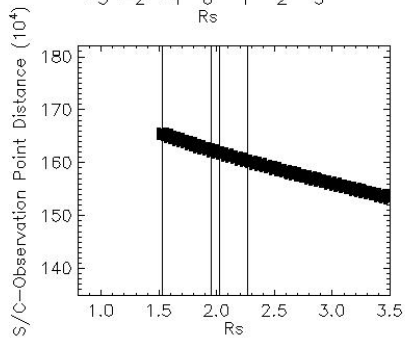


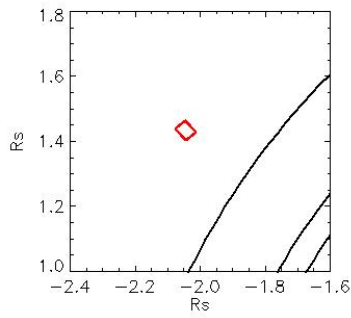
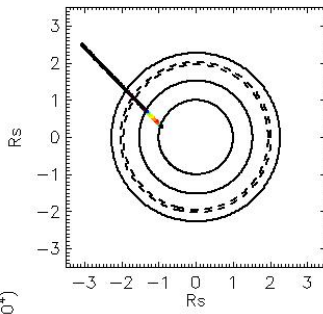
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_21_11_58

Observation Duration:
1500 S

Integration time = 300 S



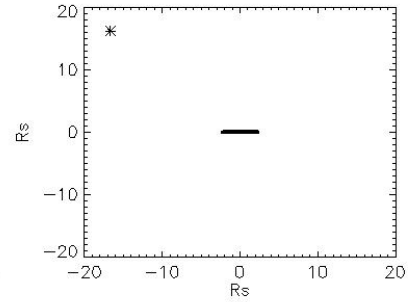
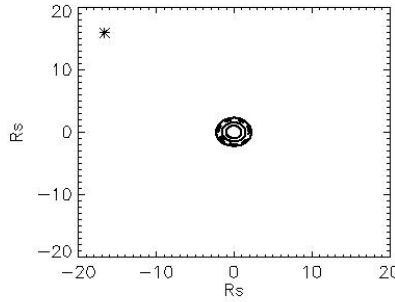
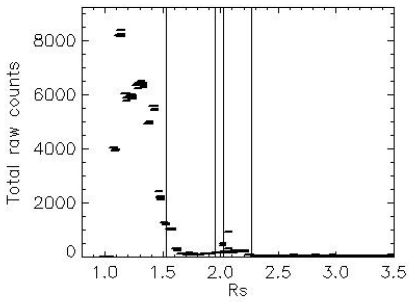
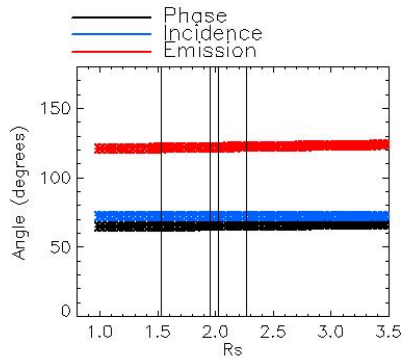
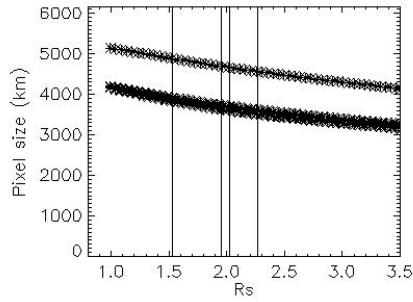
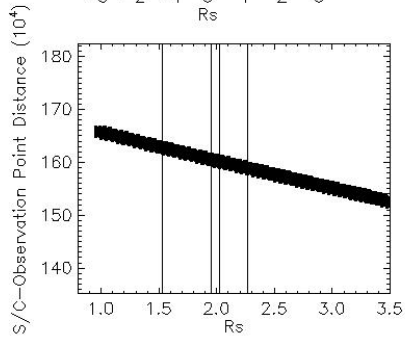


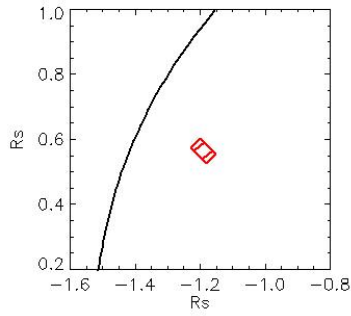
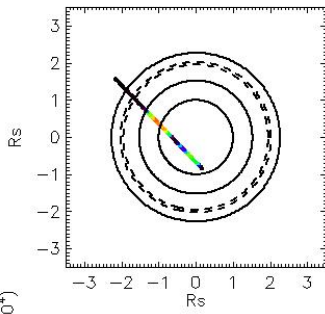
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_21_40_34

Observation Duration:
1500 S

Integration time = 300 S



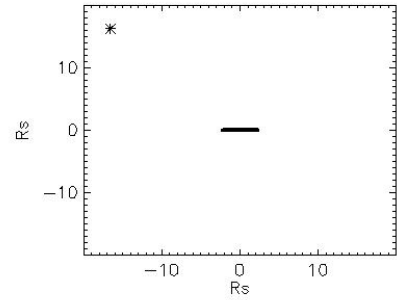
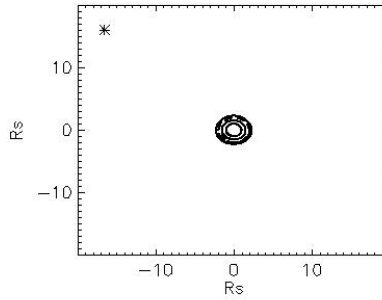
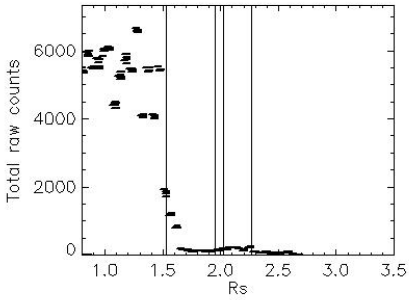
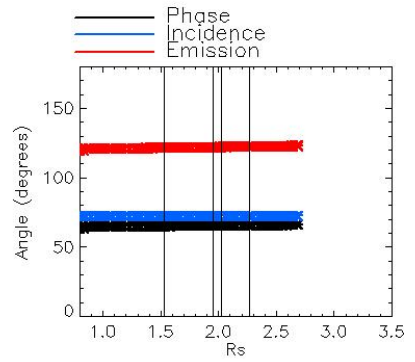
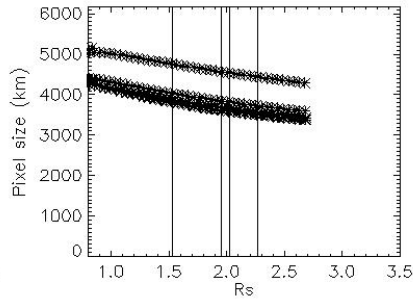
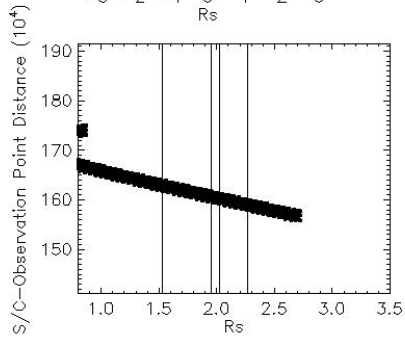


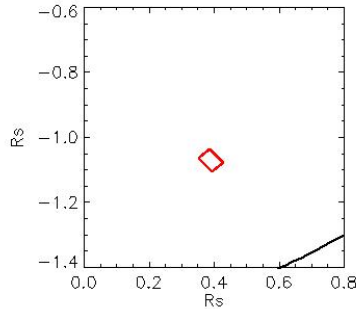
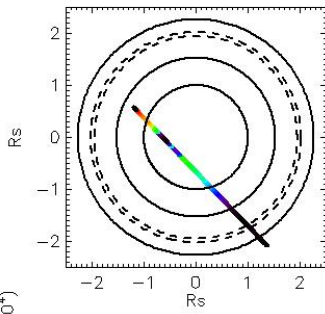
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_22_09_48

Observation Duration:
1500 S

Integration time = 300 S



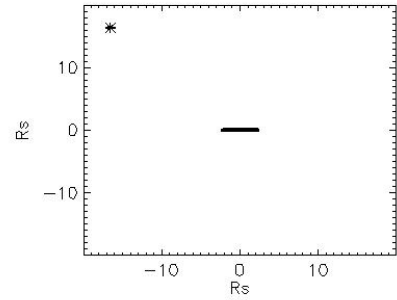
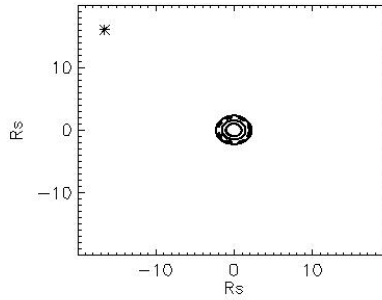
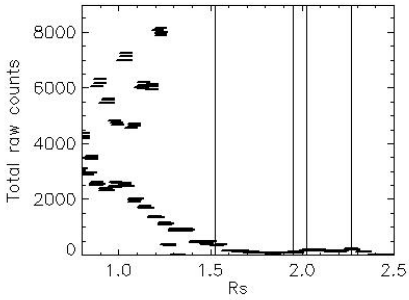
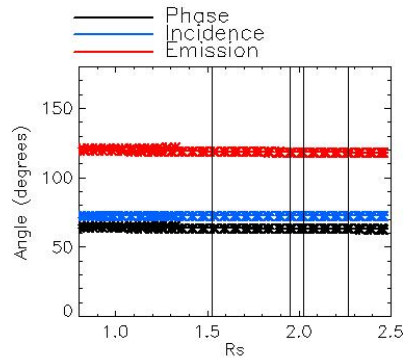
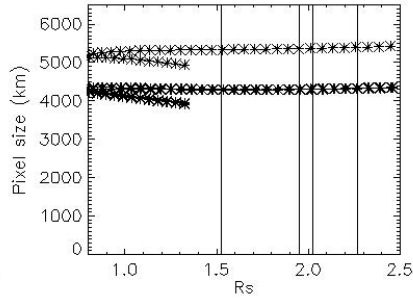
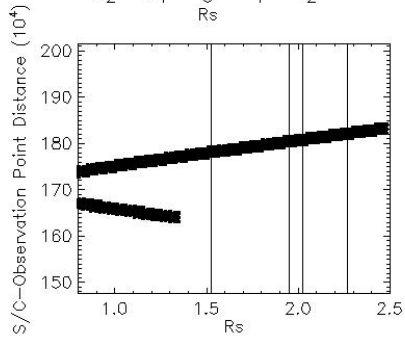


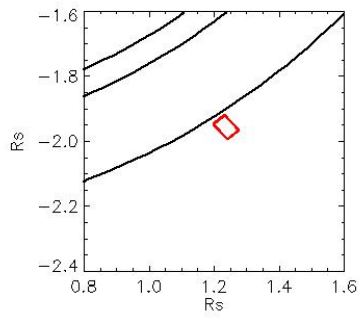
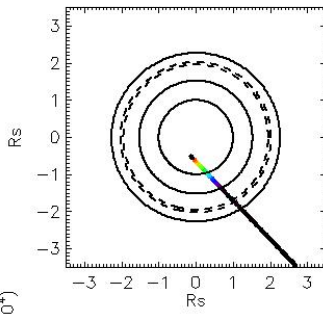
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_22_39_02

Observation Duration:
1500 S

Integration time = 300 S



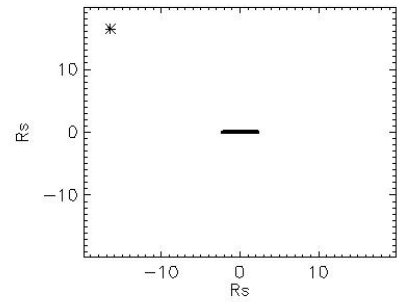
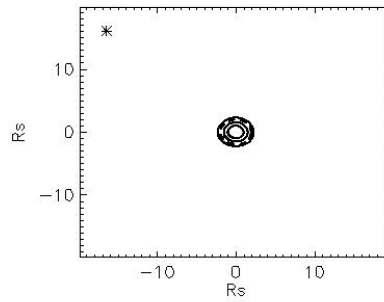
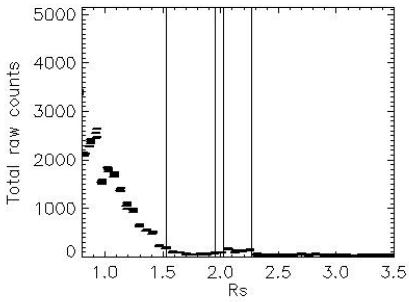
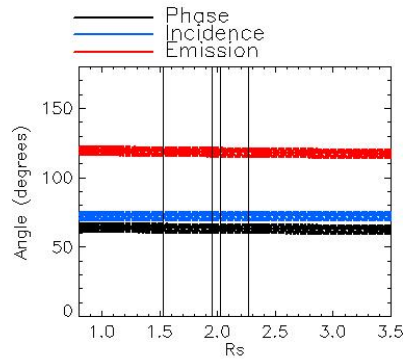
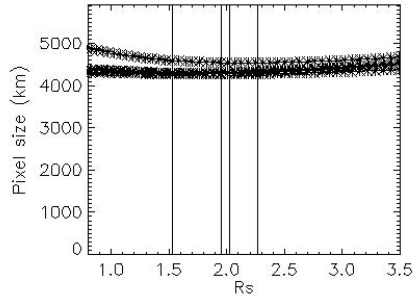
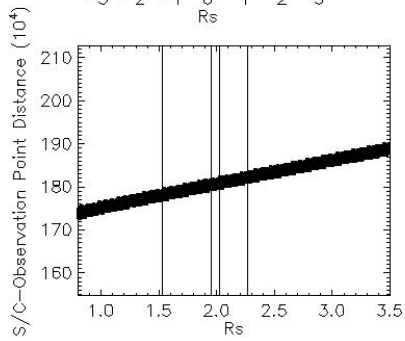


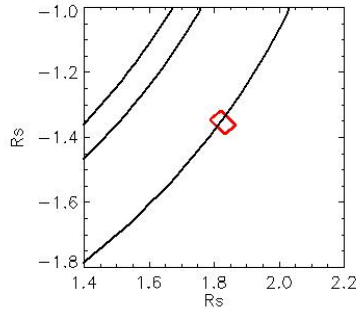
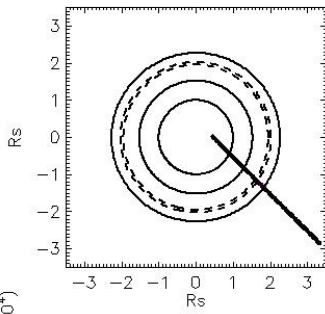
Observation Name:
UVIS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_23_08_16

Observation Duration:
1500 S

Integration time = 300 S



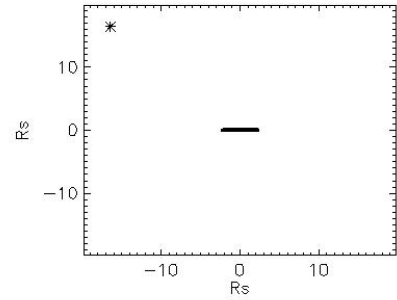
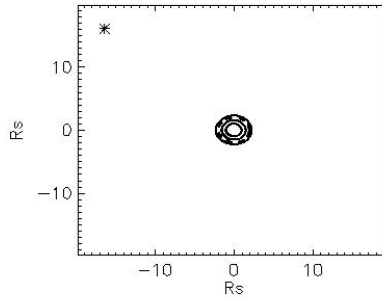
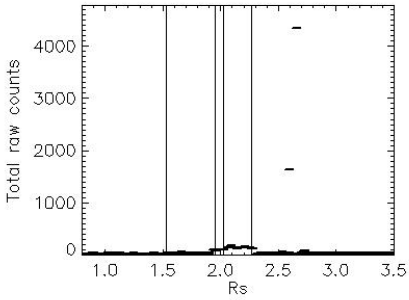
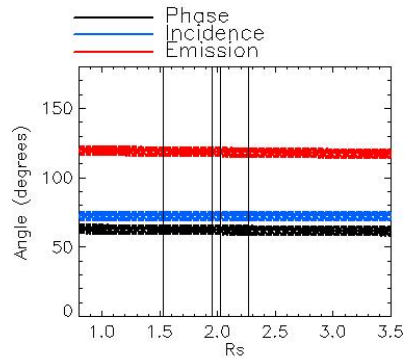
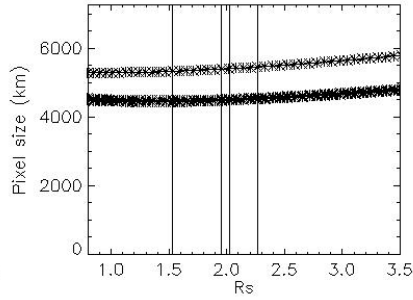
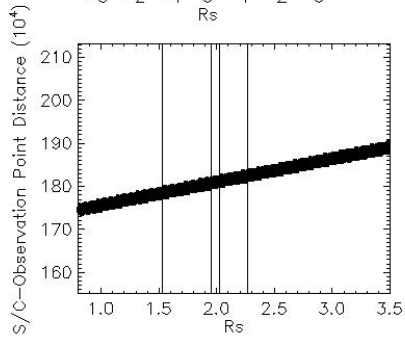


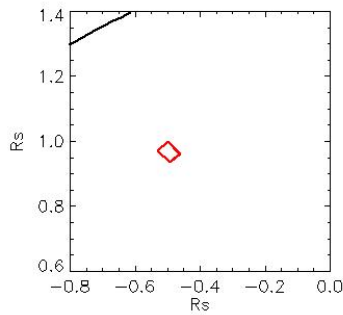
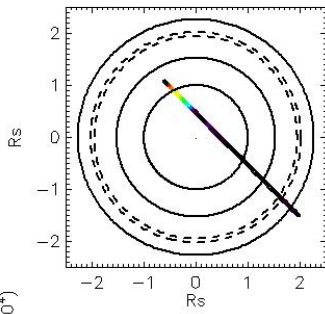
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_024_23_36_52

Observation Duration:
1500 S

Integration time = 300 S



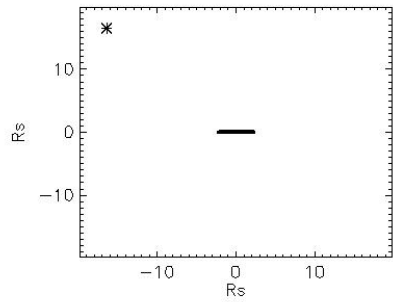
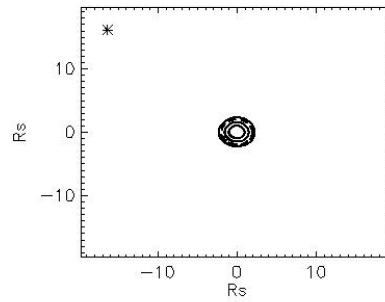
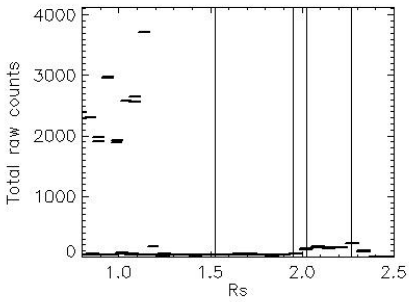
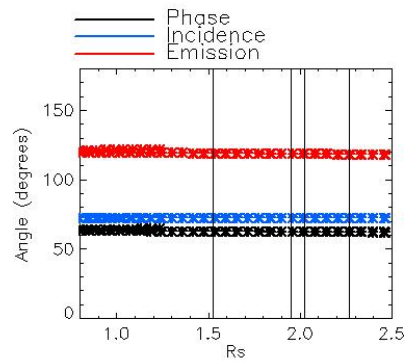
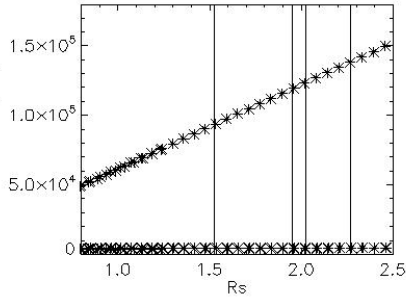
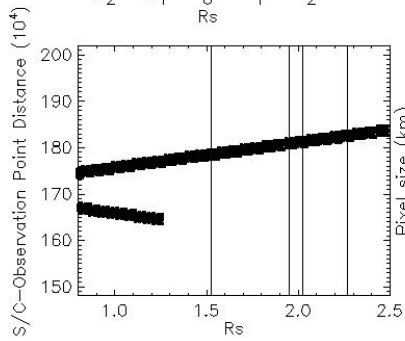


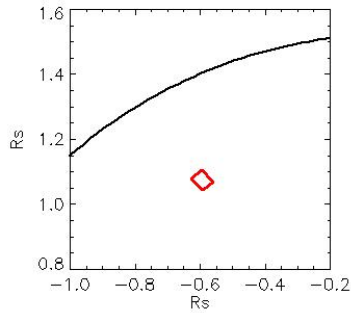
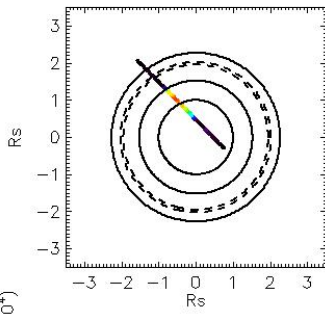
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_00_06_06

Observation Duration:
900 S

Integration time = 300 S



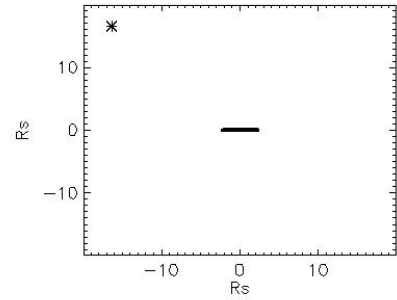
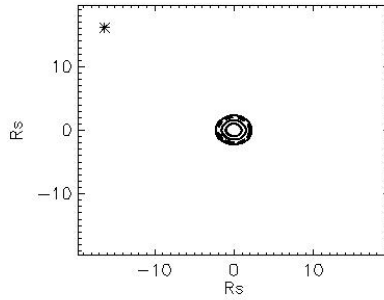
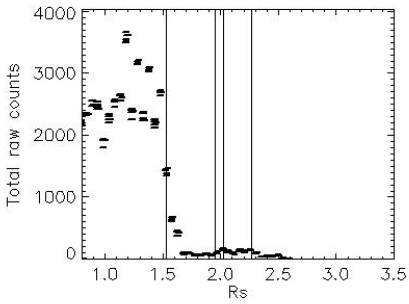
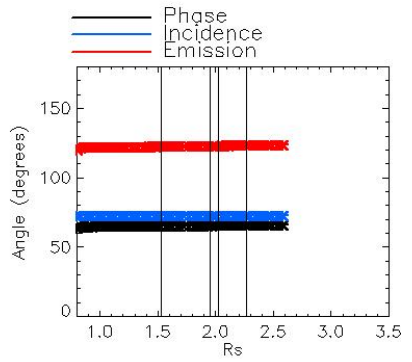
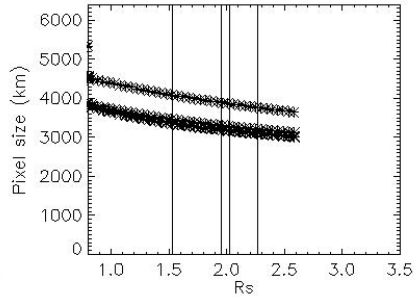
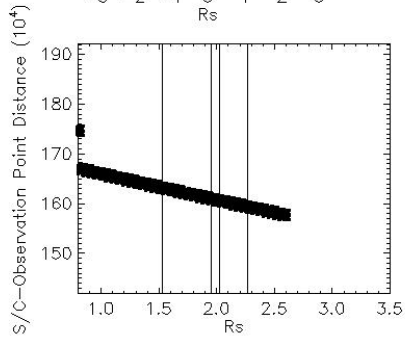


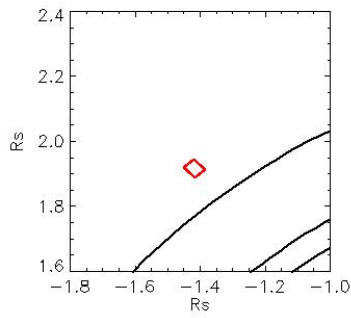
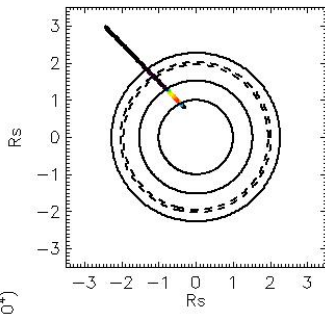
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_00_35_20

Observation Duration:
1500 S

Integration time = 300 S



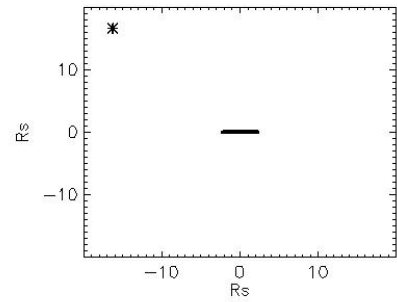
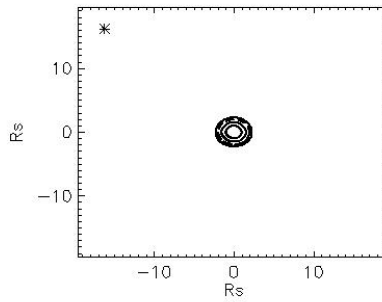
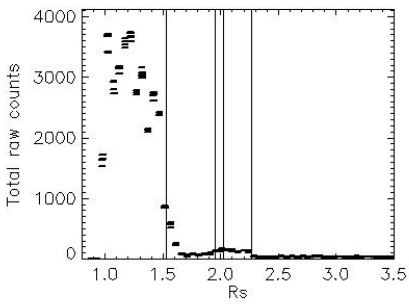
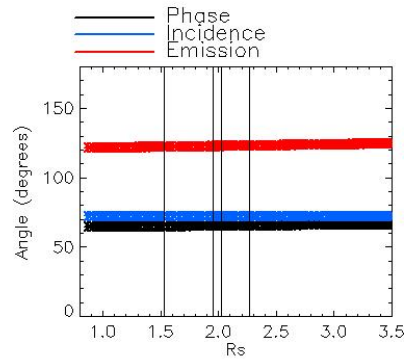
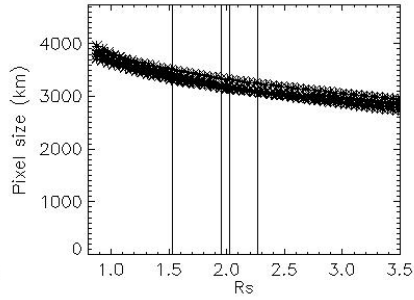
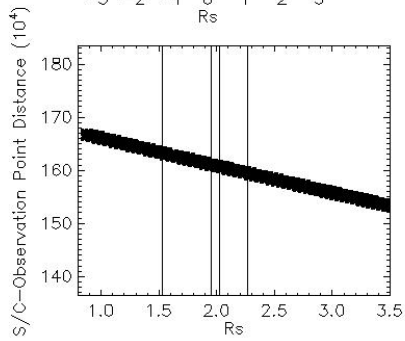


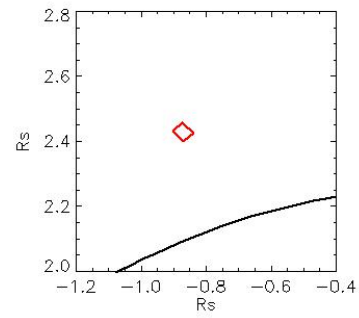
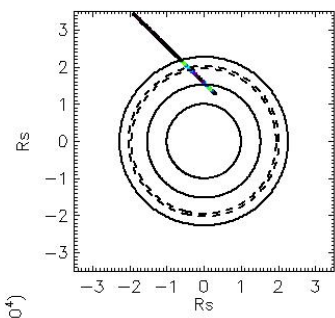
Observation Name:
UVIS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_01_04_34

Observation Duration:
1500 S

Integration time = 300 S



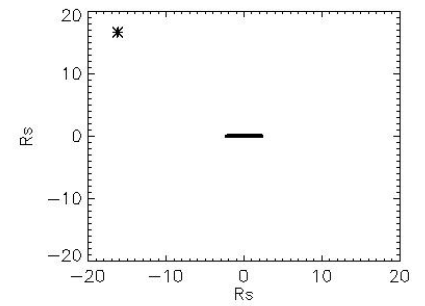
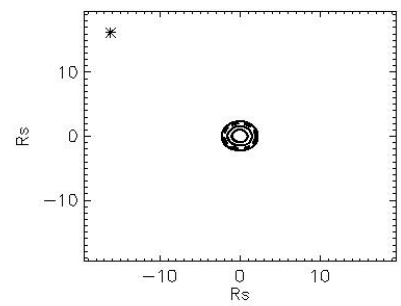
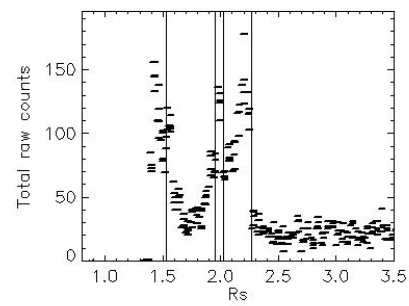
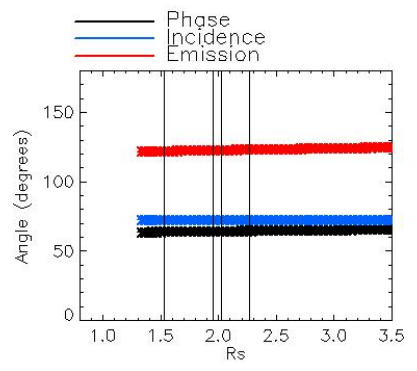
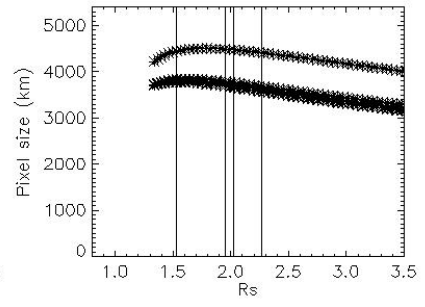
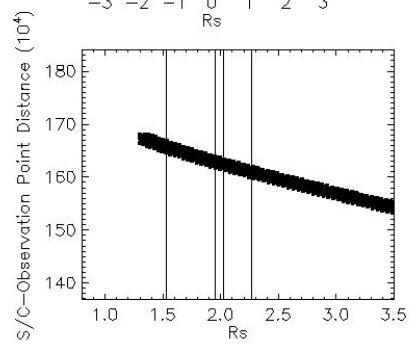


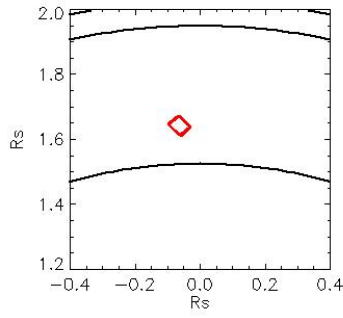
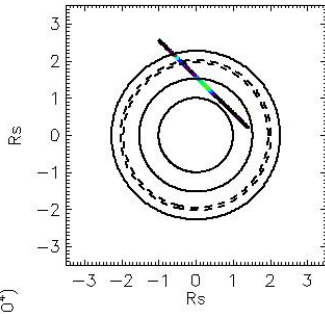
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_01_33_10

Observation Duration:
1500 S

Integration time = 300 S



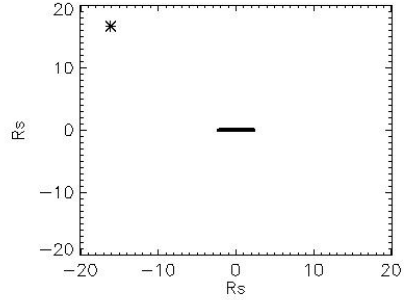
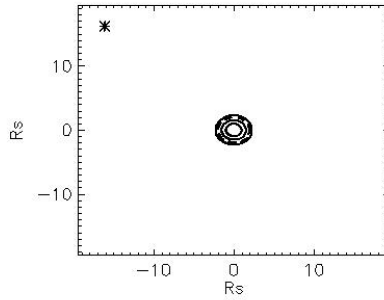
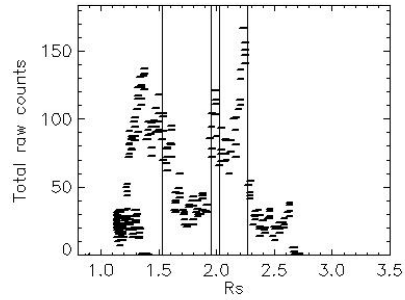
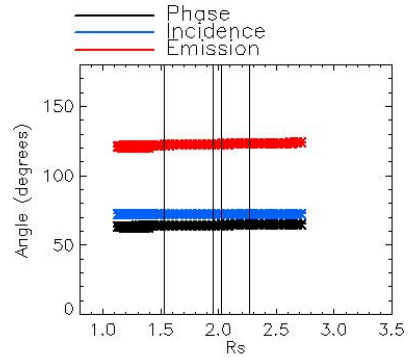
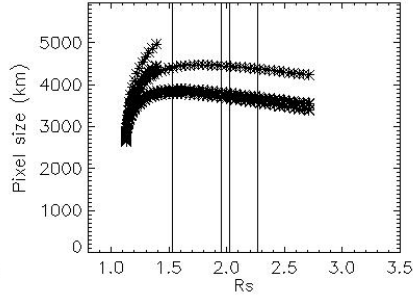
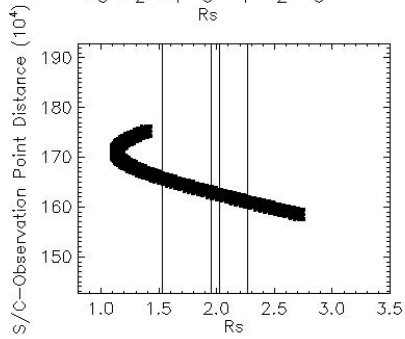


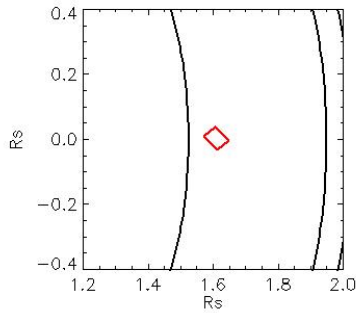
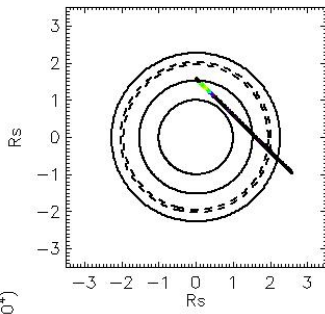
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_02_02_24

Observation Duration:
1500 S

Integration time = 300 S



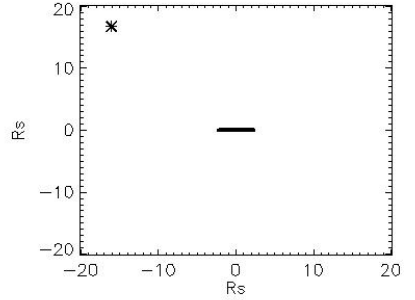
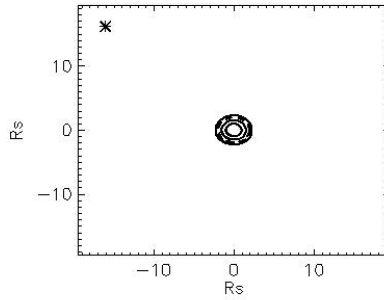
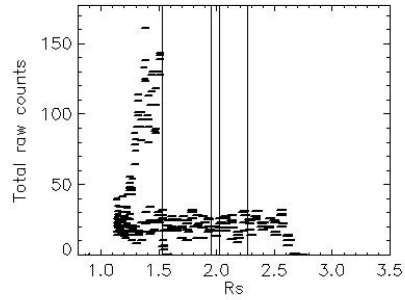
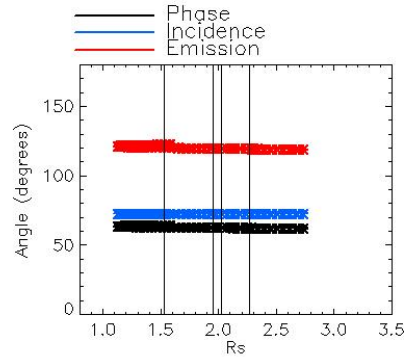
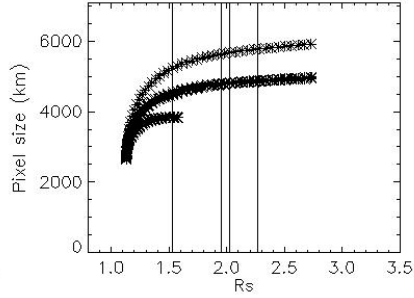
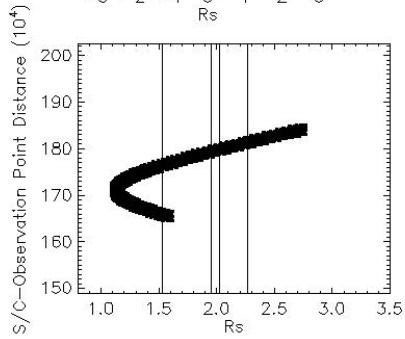


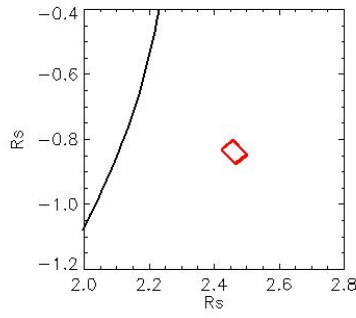
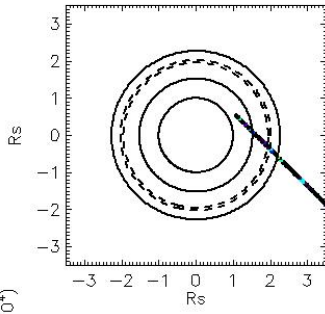
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_02_31_38

Observation Duration:
1500 S

Integration time = 300 S



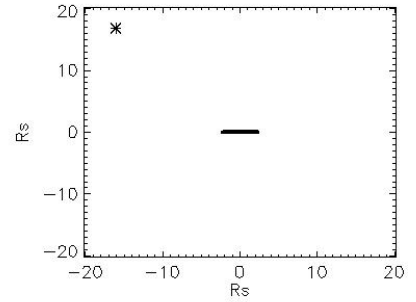
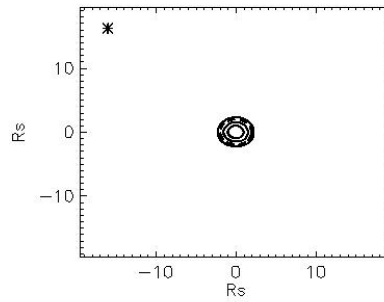
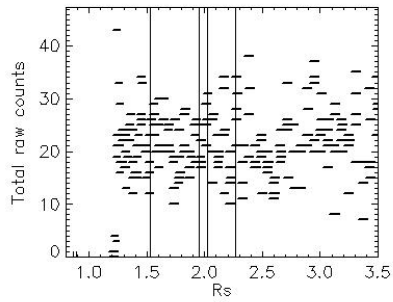
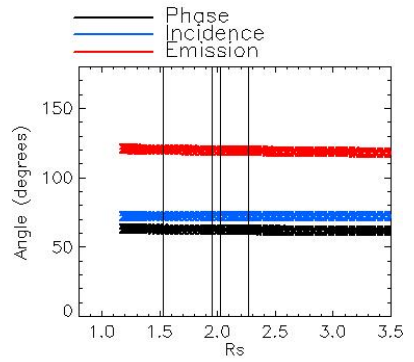
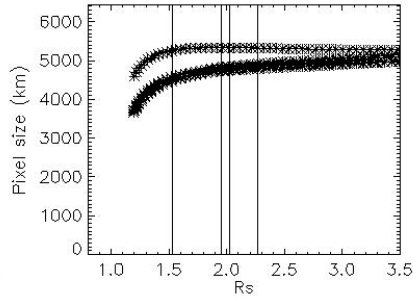
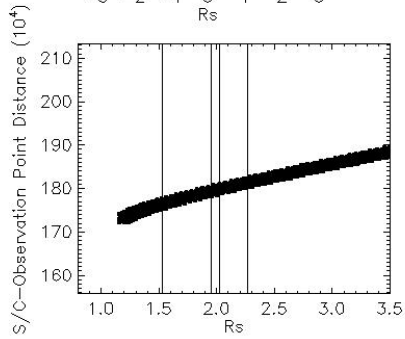


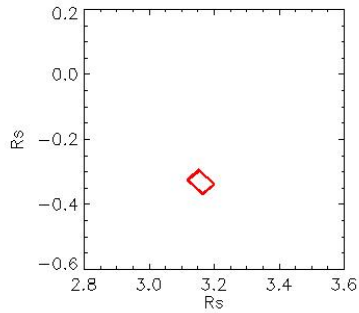
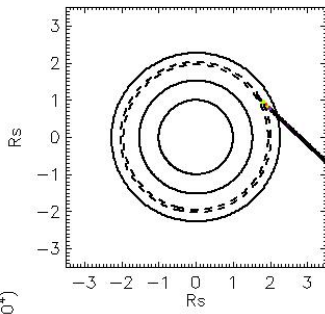
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_03_00_52

Observation Duration:
1500 S

Integration time = 300 S



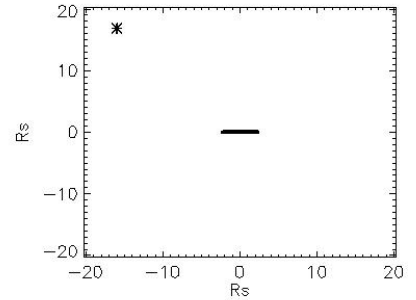
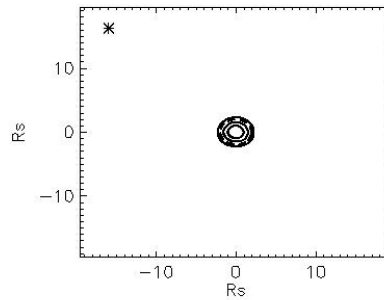
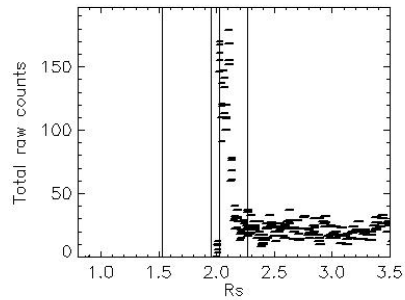
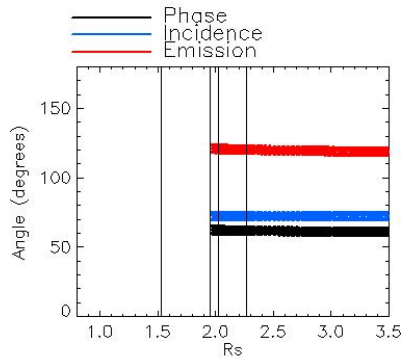
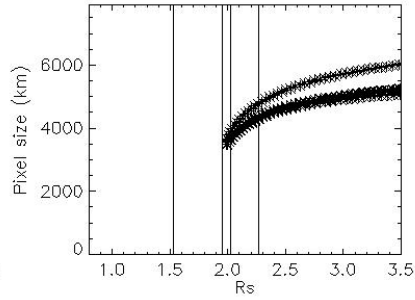
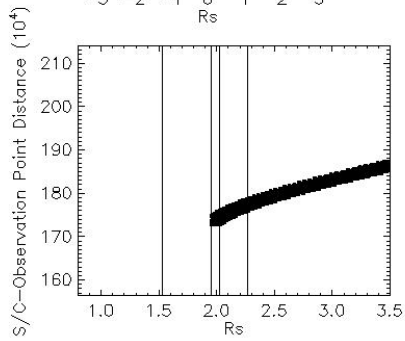


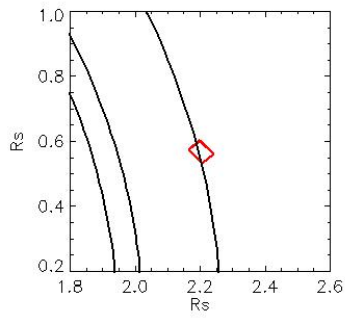
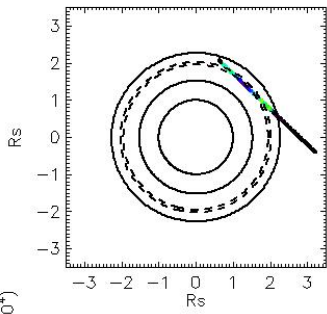
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_03_29_28

Observation Duration:
1500 S

Integration time = 300 S



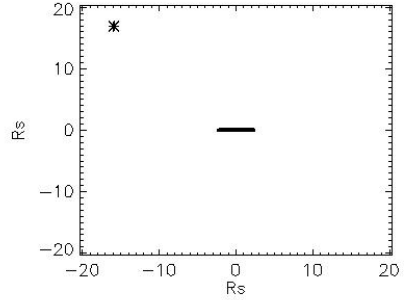
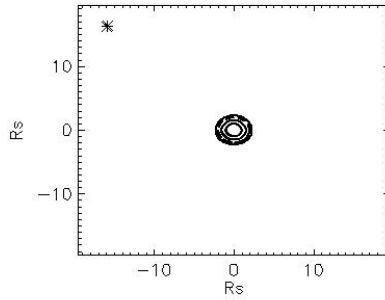
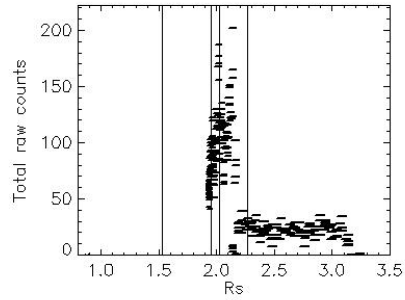
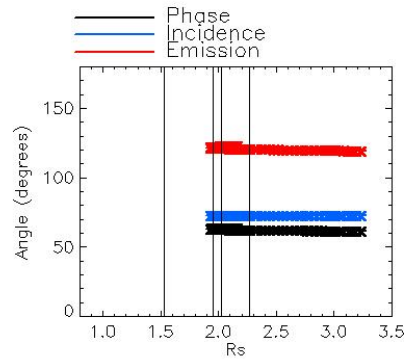
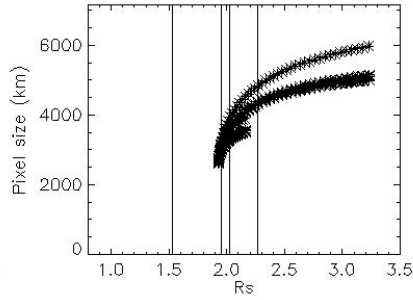
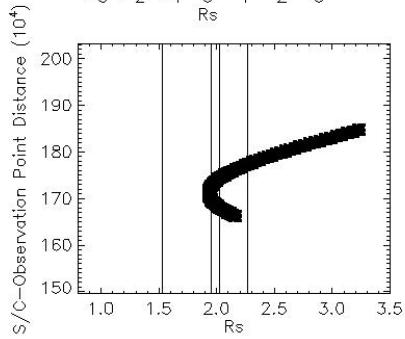


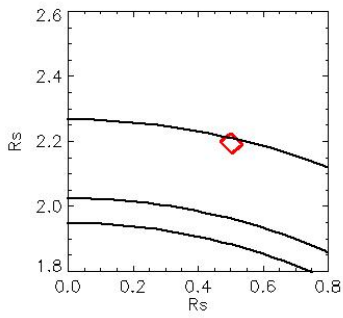
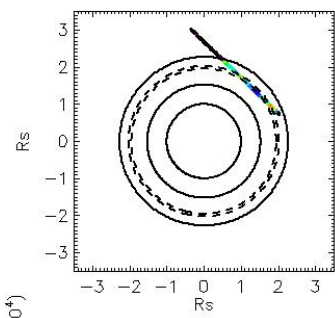
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_03_58_42

Observation Duration:
1500 S

Integration time = 300 S



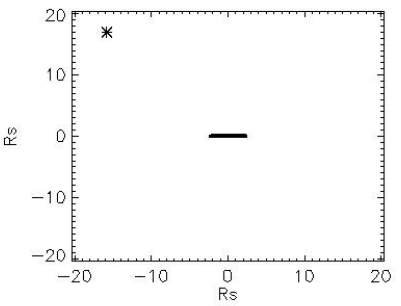
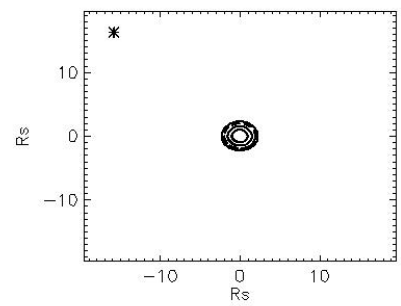
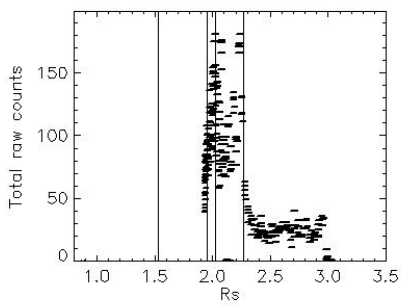
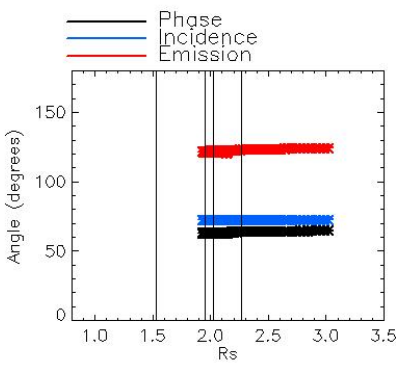
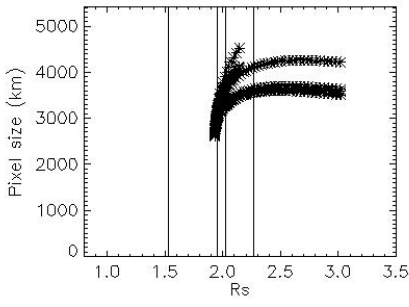
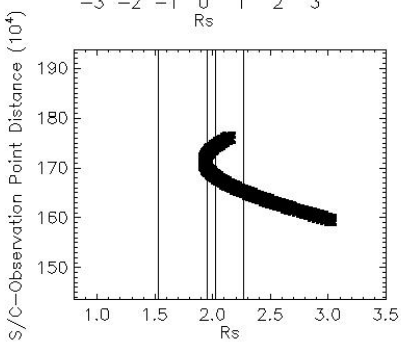


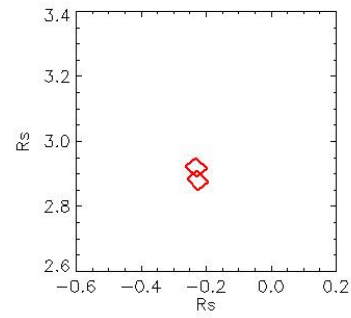
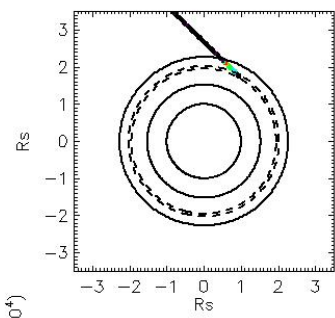
Observation Name:
UMS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_04_27_56

Observation Duration:
1500 S

Integration time = 300 S



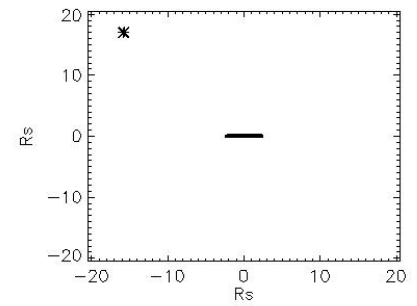
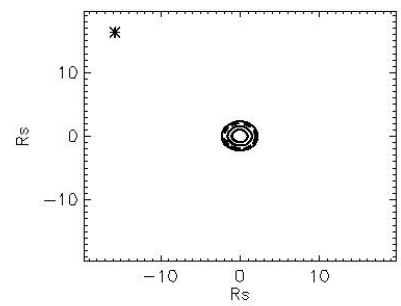
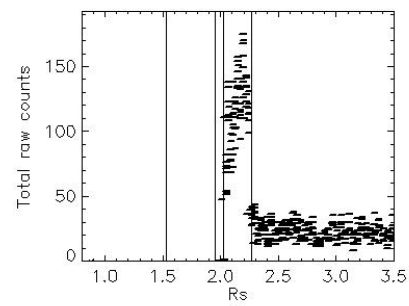
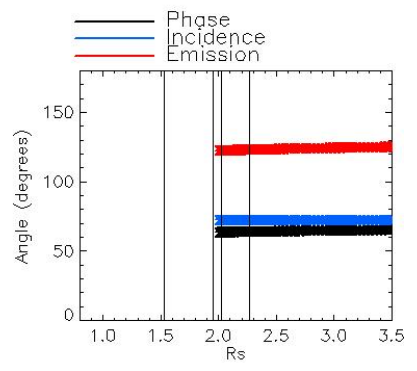
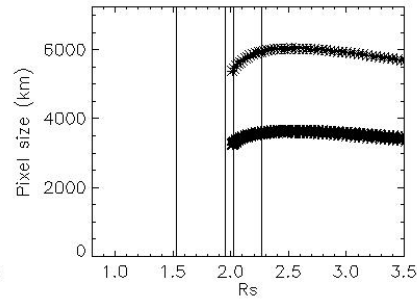
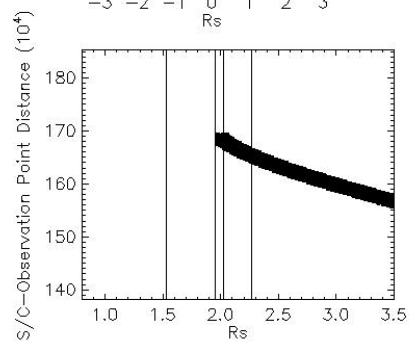


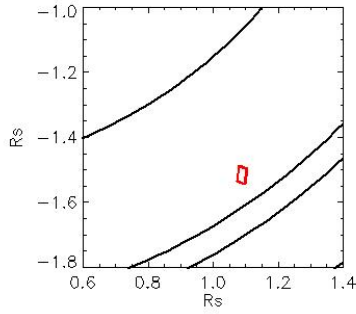
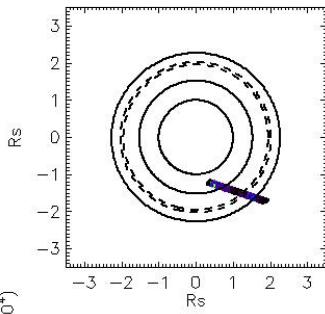
Observation Name:
UVS_179RLAPOMOSAIC001_VIMS

Observation Date:
2013_025_04_57_10

Observation Duration:
2400 S

Integration time = 300 S



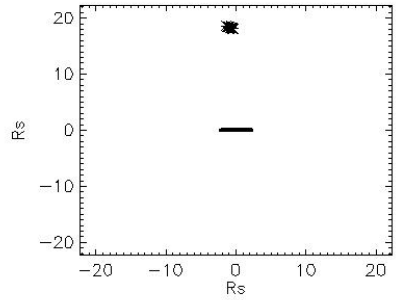
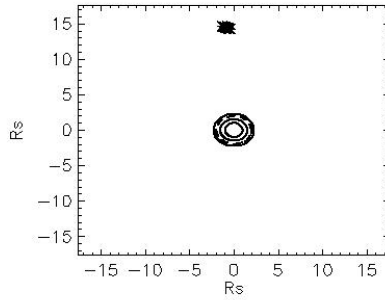
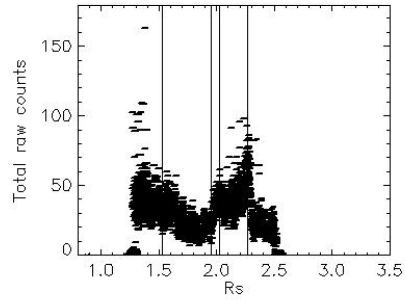
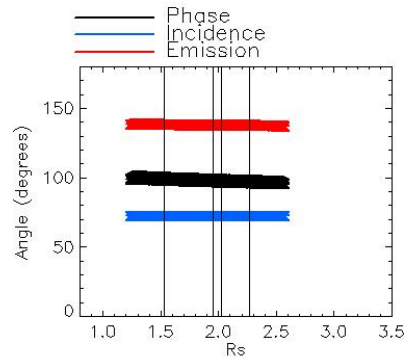
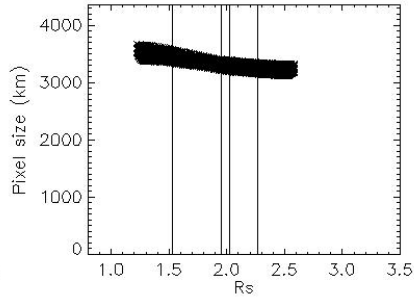
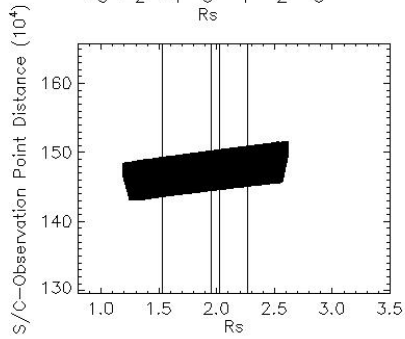


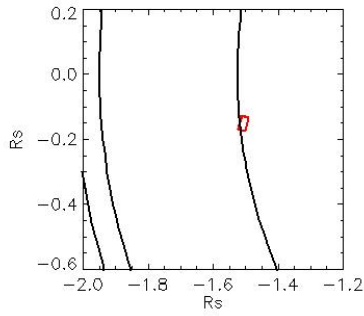
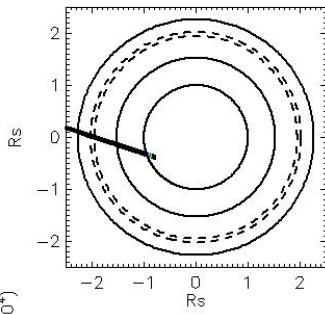
Observation Name:
UMS_180RLSPOKEMOV001_JSS

Observation Date:
2013_028_17_19_00

Observation Duration:
17100 S

Integration time = 300 S





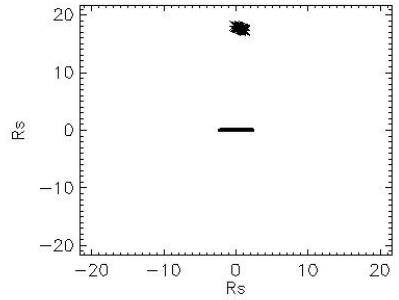
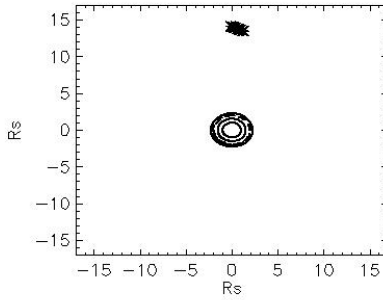
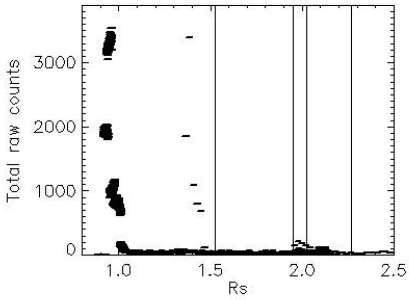
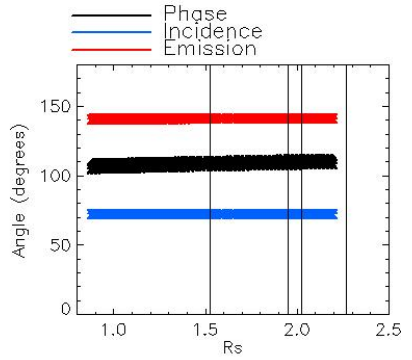
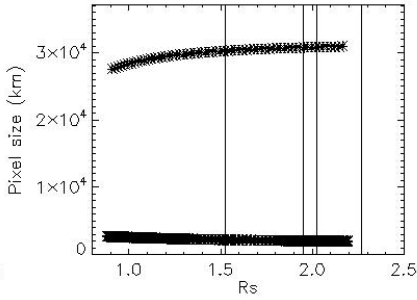
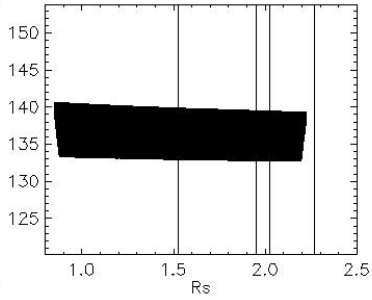
Observation Name:
UMS_180RLCOMPUNL001_CIRS

Observation Date:
2013_028_22_54_00

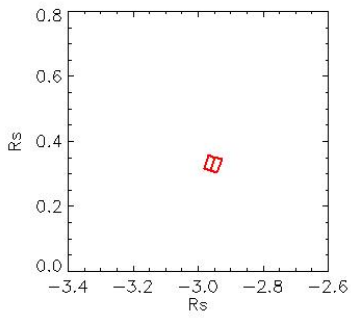
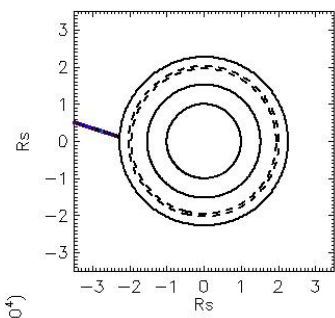
Observation Duration:
24000 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission

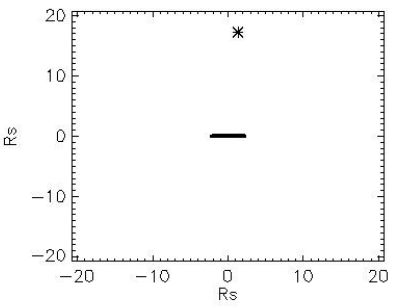
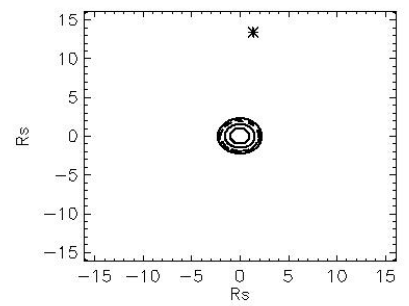
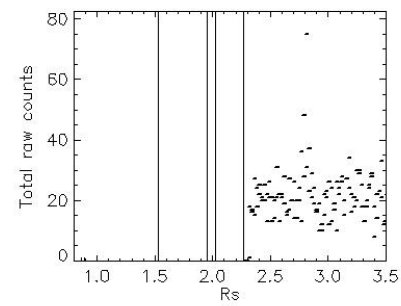
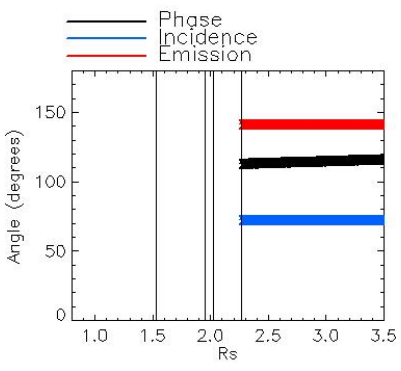
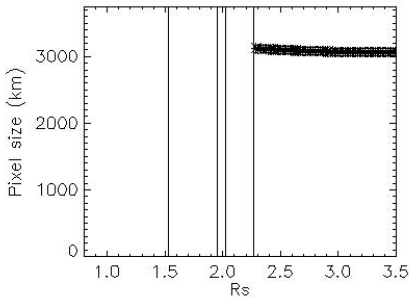
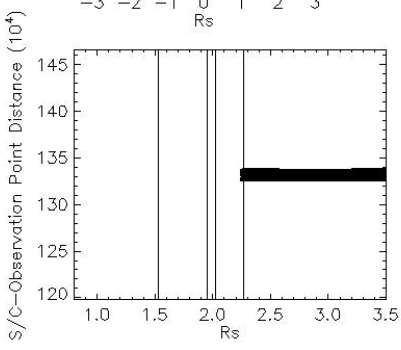


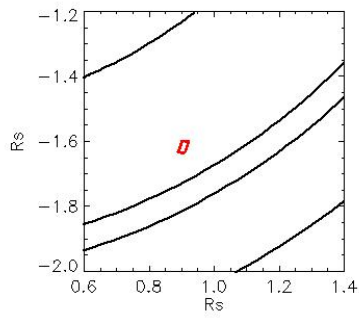
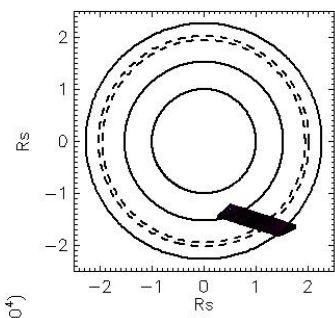
Observation Name:
UMS_180RLCOMPUNL001_CIRS

Observation Date:
2013_029_05_44_01

Observation Duration:
600 S

Integration time = 300 S





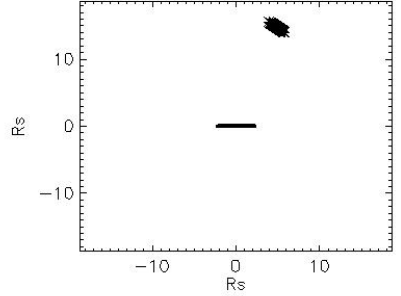
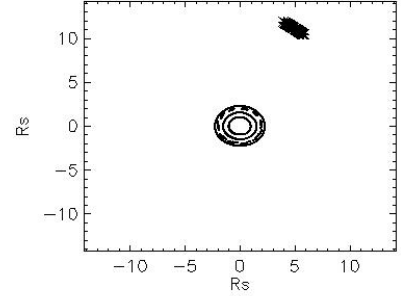
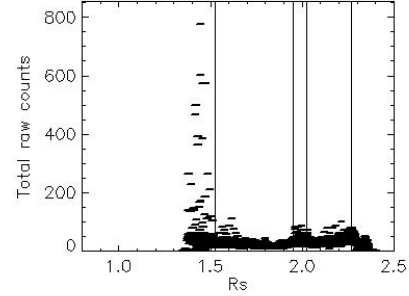
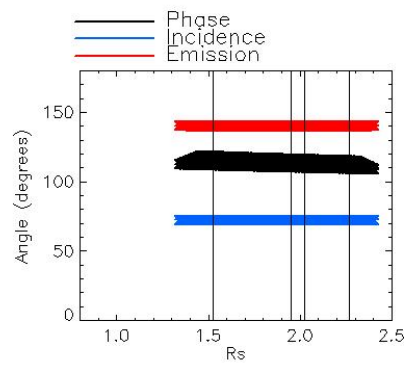
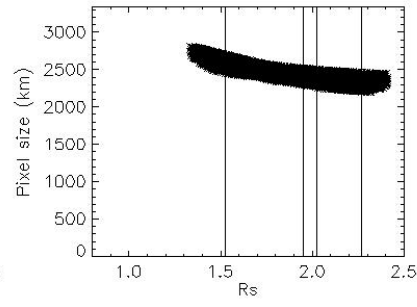
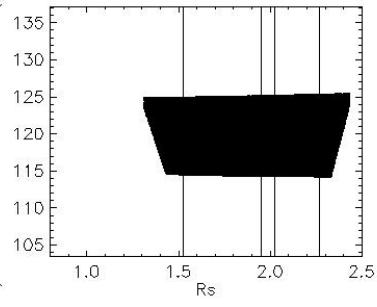
Observation Name:
UMS_180RLSPOKEMOV002_JSS

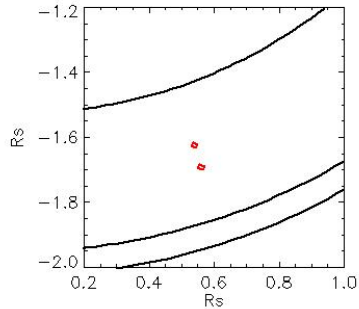
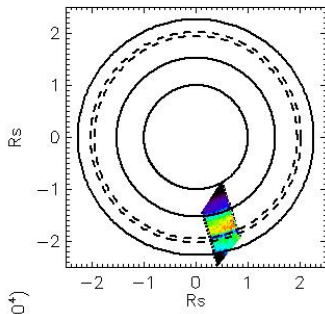
Observation Date:
2013_029_17_20_00

Observation Duration:
29100 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



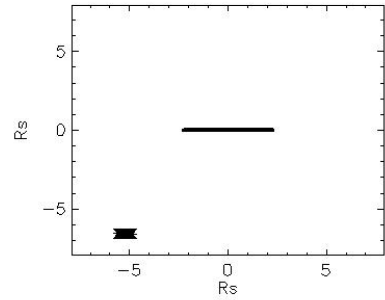
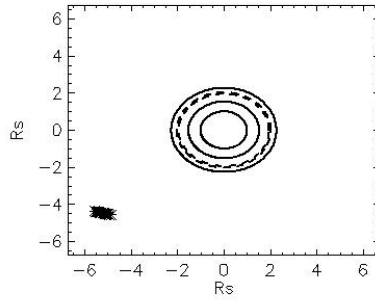
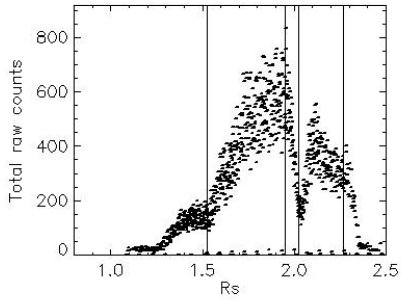
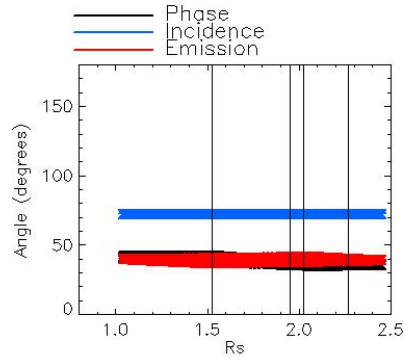
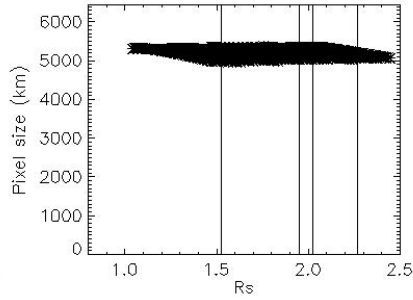
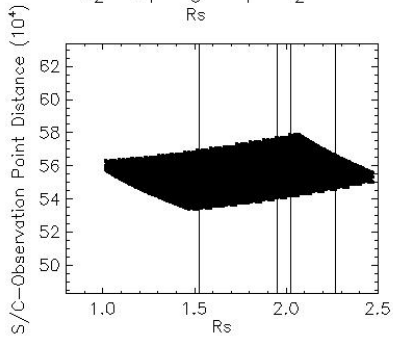


Observation Name:
UMS_180RLNP50L70S001_CIRS

Observation Date:
2013_032_19_45_01

Observation Duration:
4500 S

Integration time = 300 S

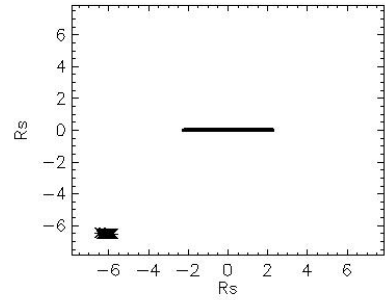
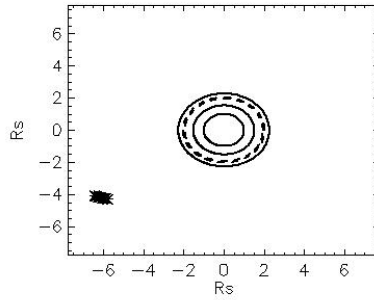
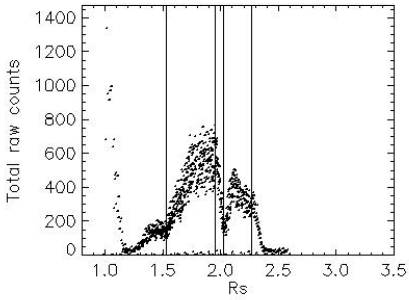
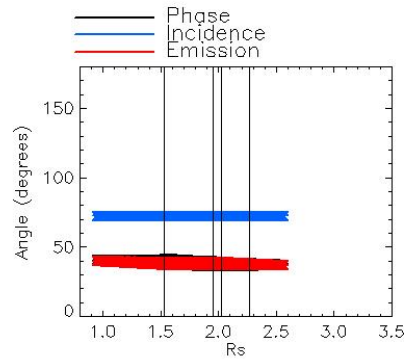
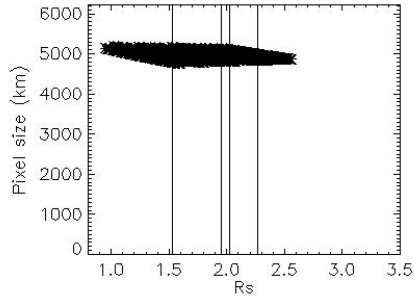
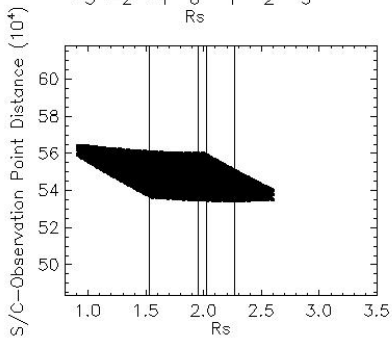
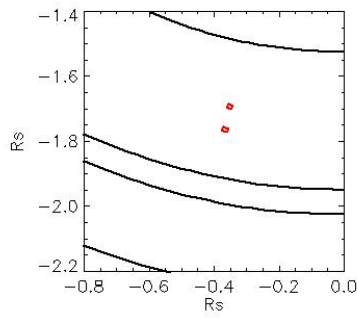
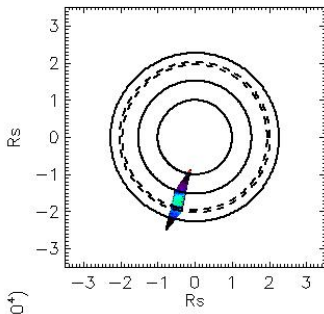


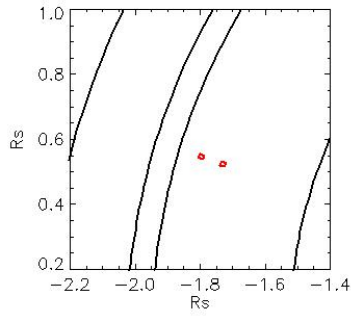
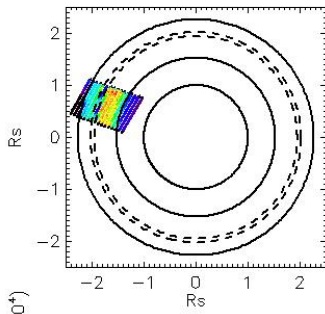
Observation Name:
UMS_180RLNP50L70S001_CIRS

Observation Date:
2013_032_21_13_01

Observation Duration:
4500 S

Integration time = 300 S



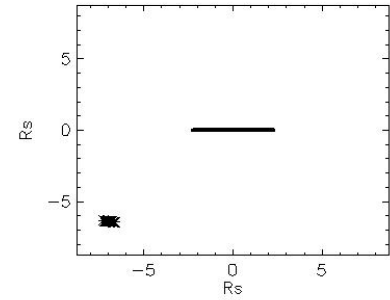
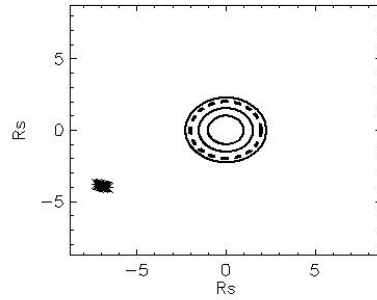
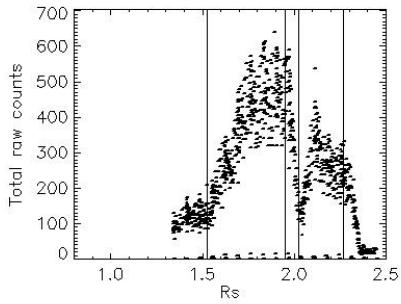
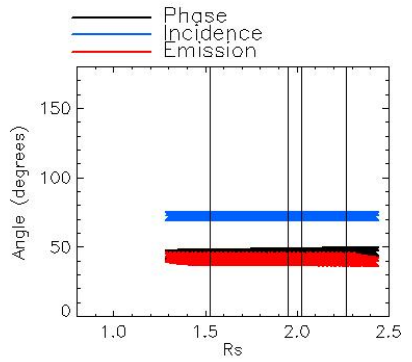
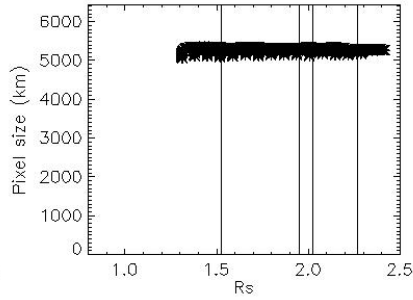
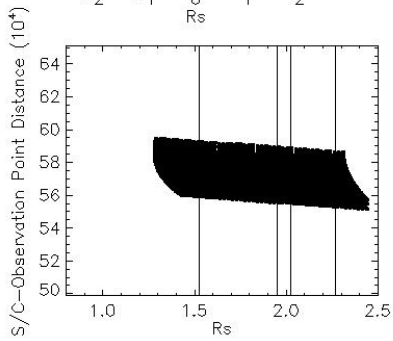


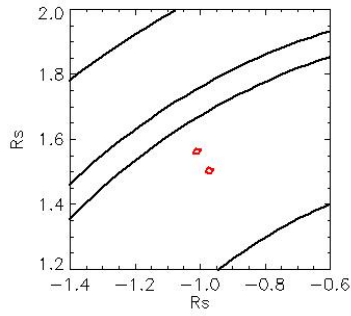
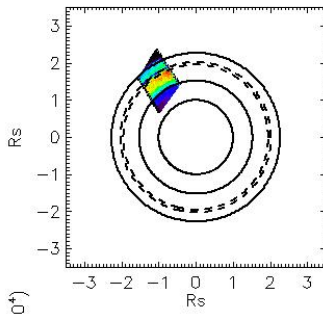
Observation Name:
UMS_180RLNP50L70S001_CIRS

Observation Date:
2013_032_22_41_01

Observation Duration:
4500 S

Integration time = 300 S



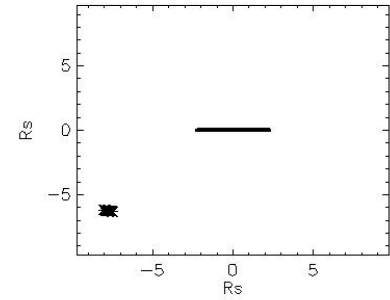
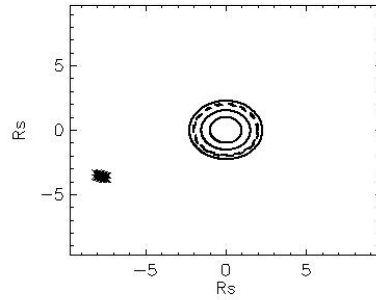
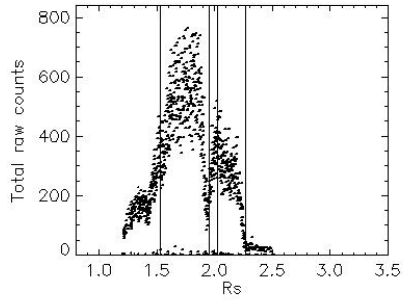
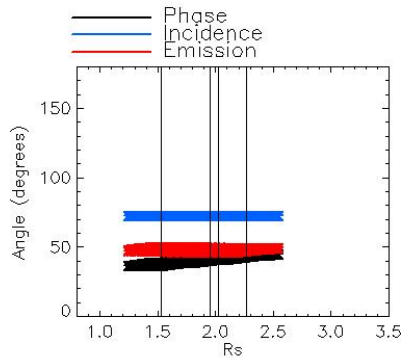
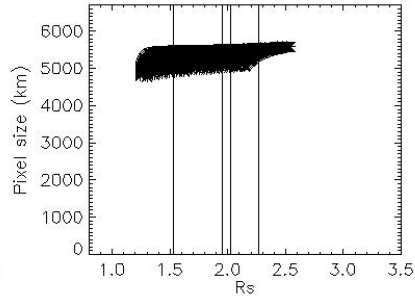
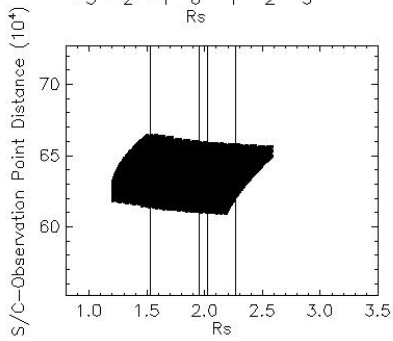


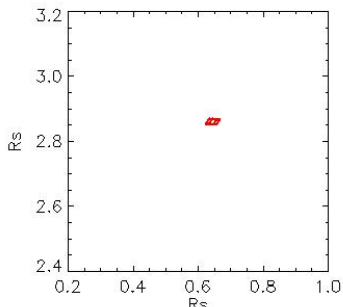
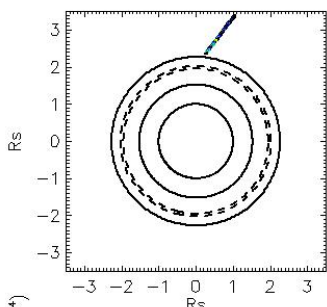
Observation Name:
UMS_180RLNP50L70S001_CIRS

Observation Date:
2013_033_00_09_01

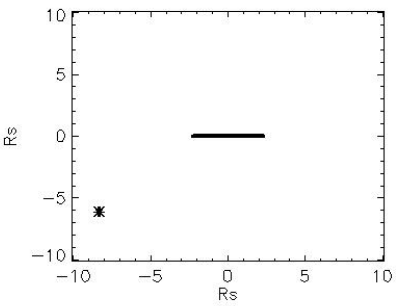
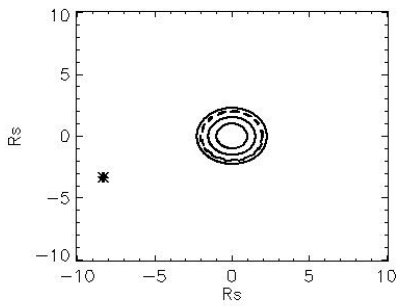
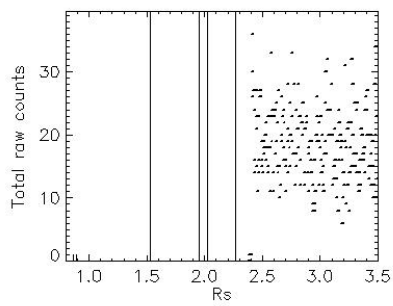
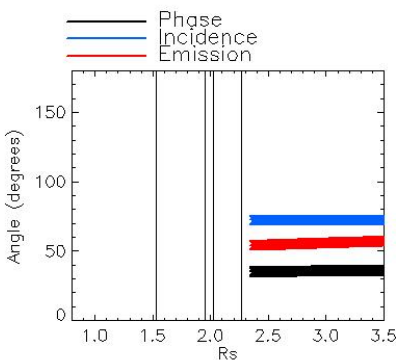
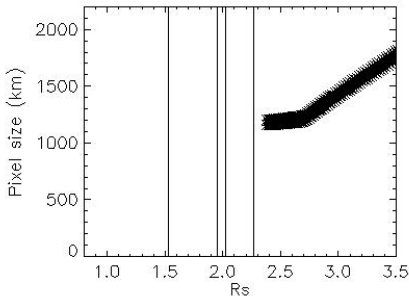
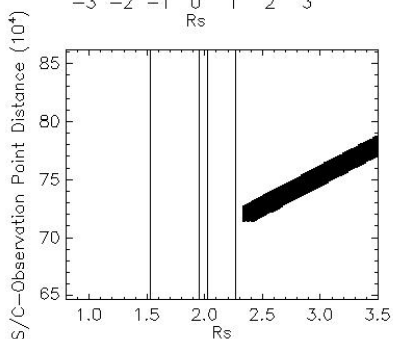
Observation Duration:
4500 S

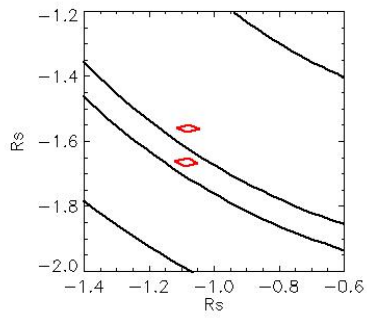
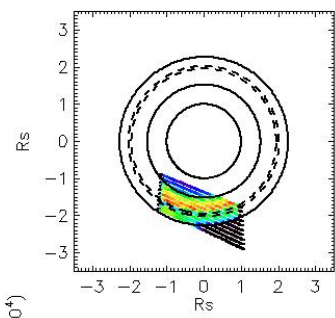
Integration time = 300 S



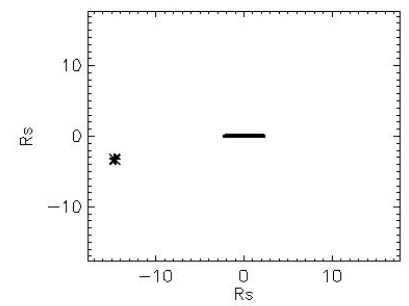
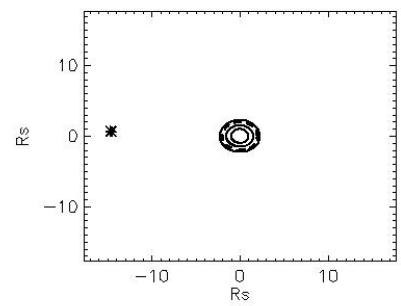
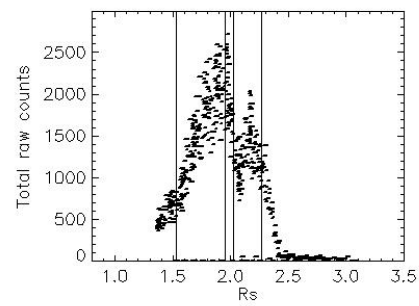
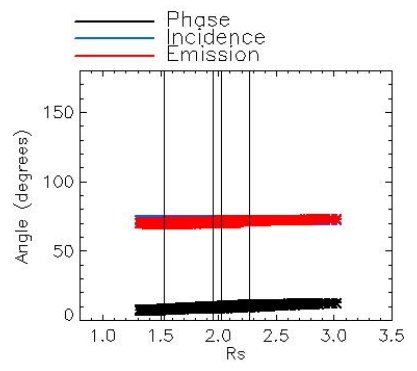
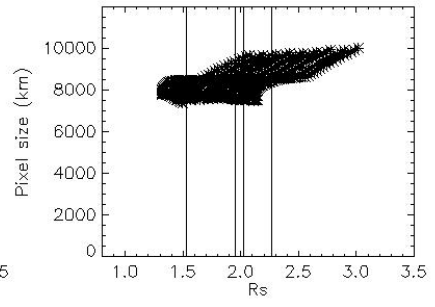
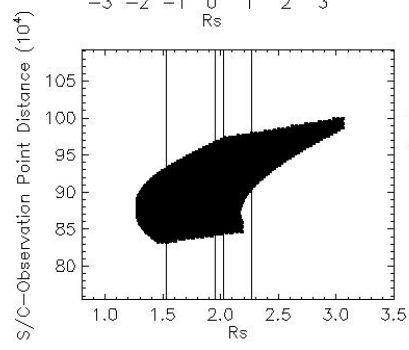


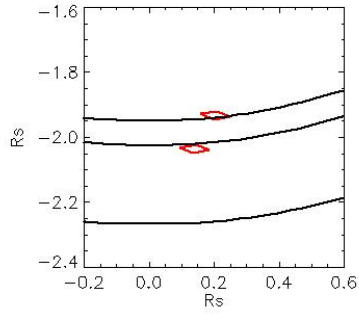
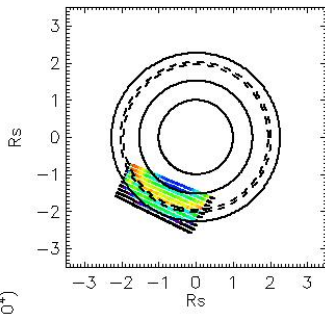
Observation Name:
 UMS_180RLNP50L70S001_CIRS
 Observation Date:
 2013_033_01_44_00
 Observation Duration:
 1200 S
 Integration time = 300 S





Observation Name:
 UVS_180RLNP10L30012_CIRS
 Observation Date:
 2013_033_18_04_00
 Observation Duration:
 2700 S
 Integration time = 300 S



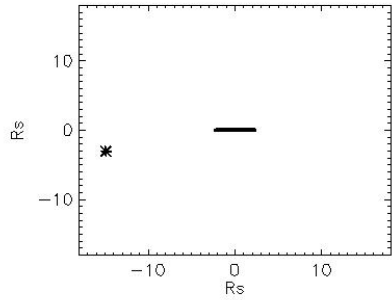
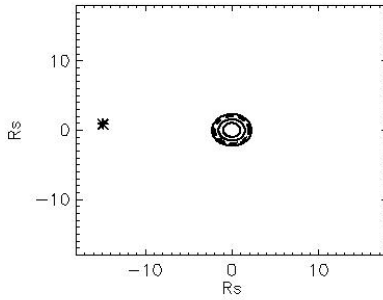
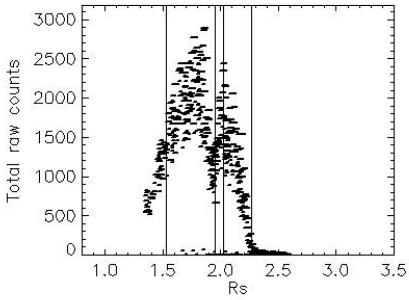
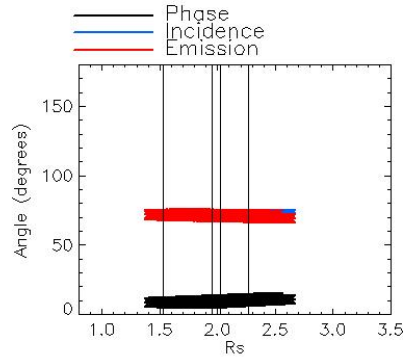
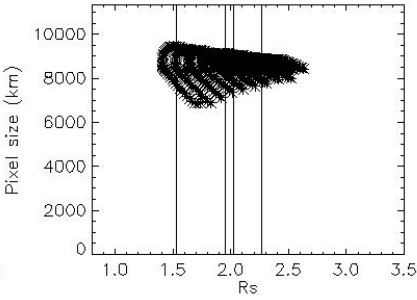
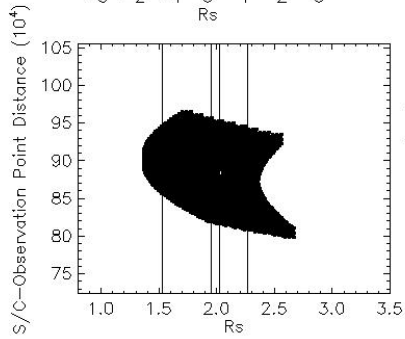


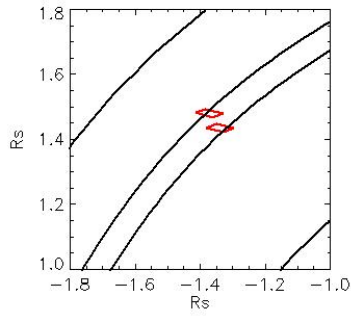
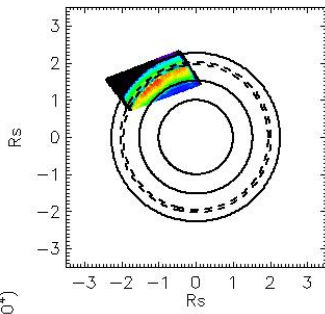
Observation Name:
UMS_180RLNP10L30012_CIRS

Observation Date:
2013_033_19_01_30

Observation Duration:
2700 S

Integration time = 300 S



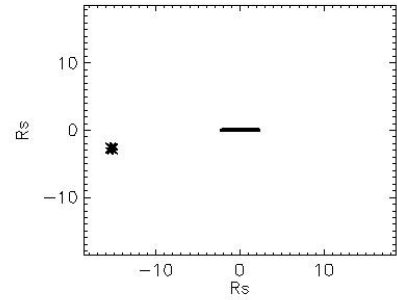
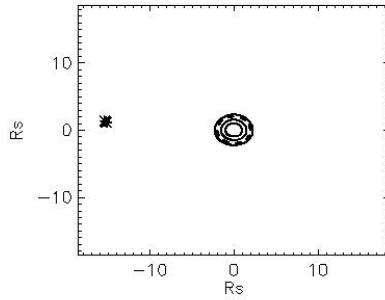
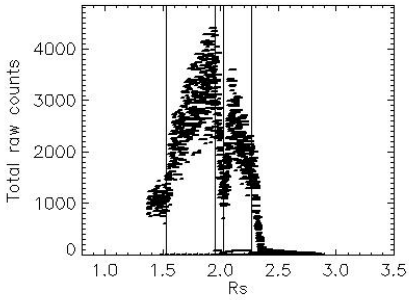
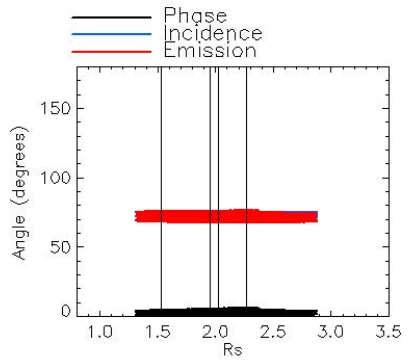
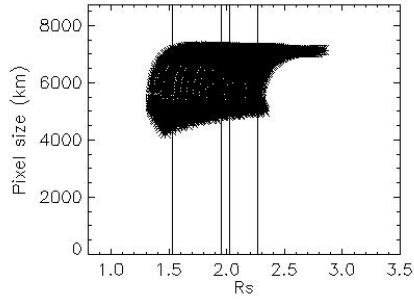
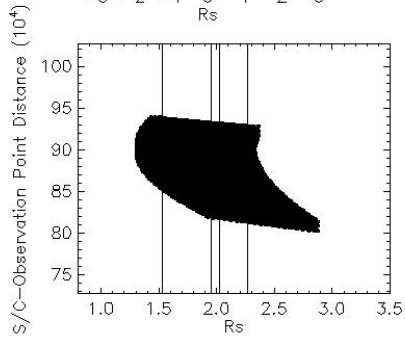


Observation Name:
UMS_180RLNP10L30012_CIRS

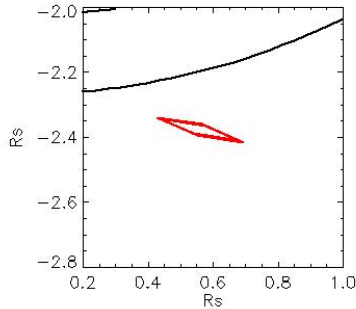
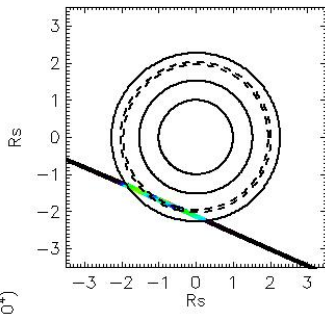
Observation Date:
2013_033_20_09_00

Observation Duration:
5400 S

Integration time = 300 S



— Phase
— Incidence
— Emission

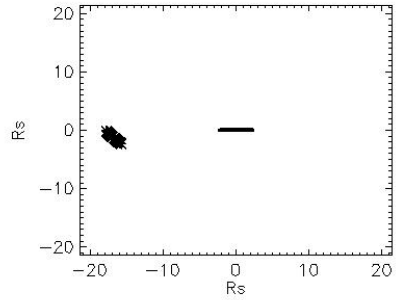
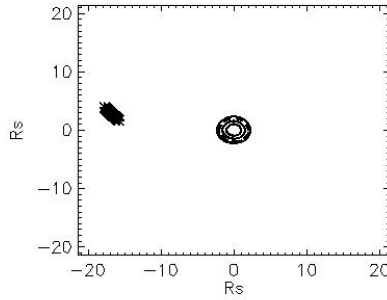
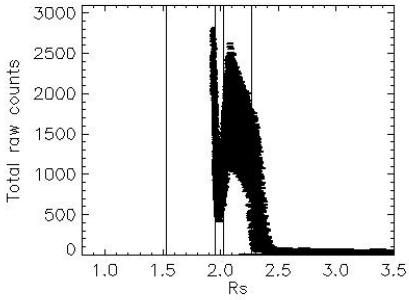
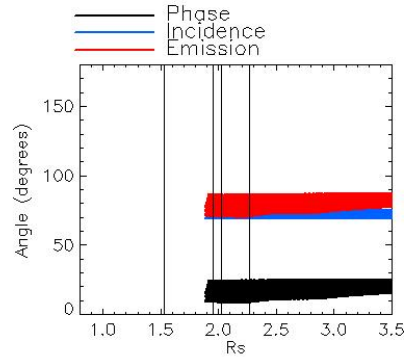
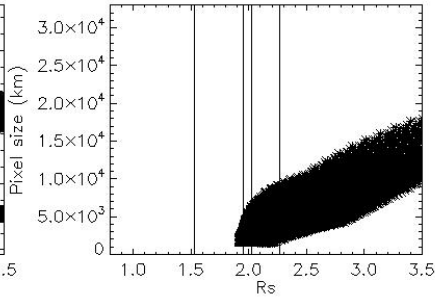
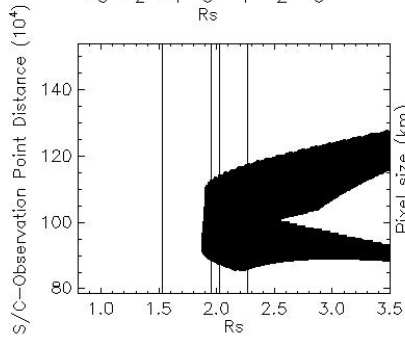


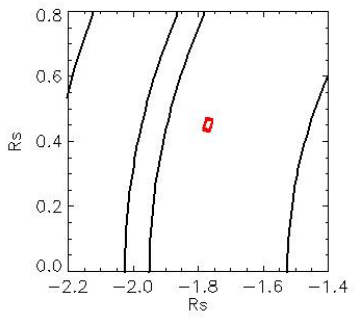
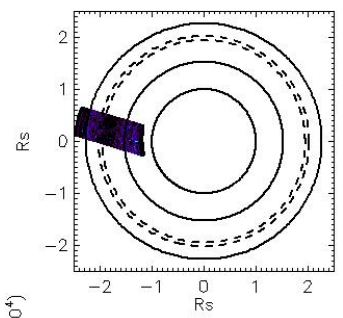
Observation Name:
UMS_180RLBMOVIE001_JSS

Observation Date:
2013_033_22_29_00

Observation Duration:
38700 S

Integration time = 300 S



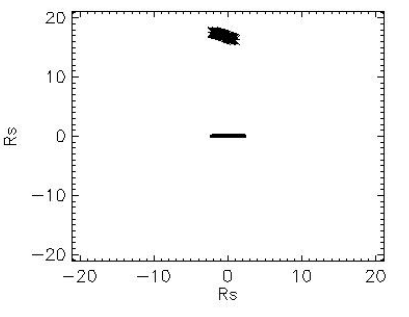
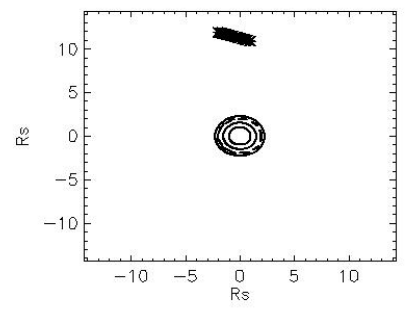
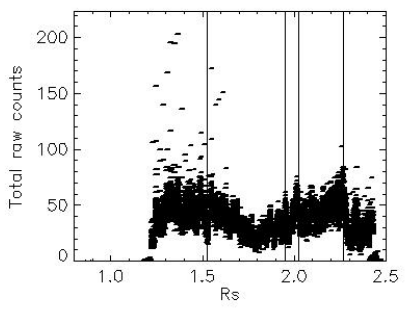
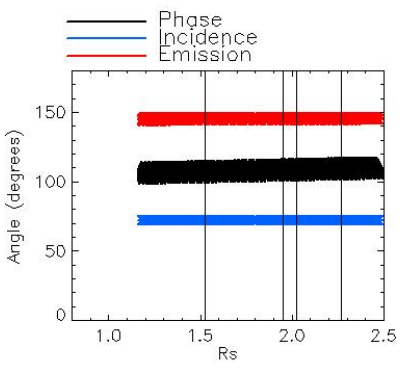
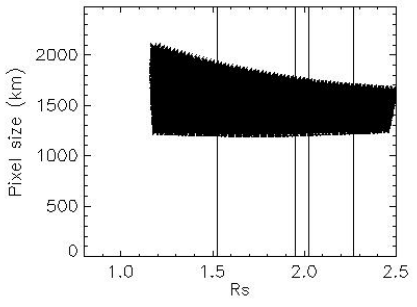
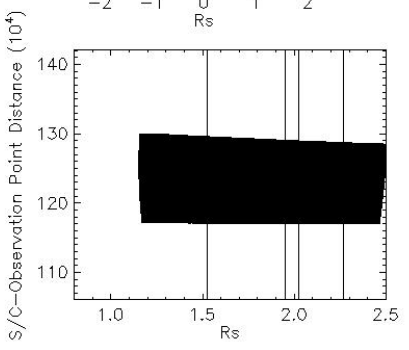


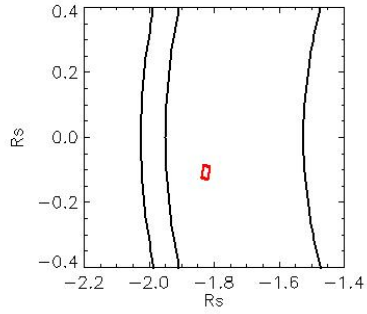
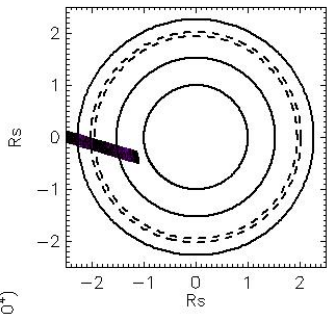
Observation Name:
UMS_183RLSPOKEMOV001_JSS

Observation Date:
2013_065_22_15_03

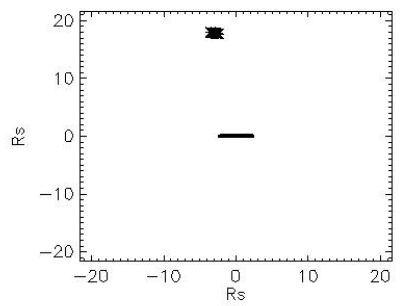
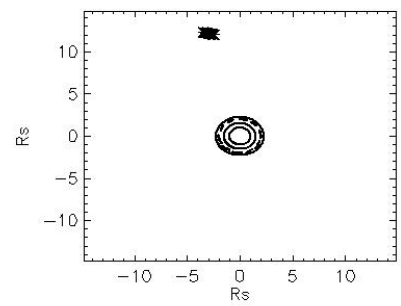
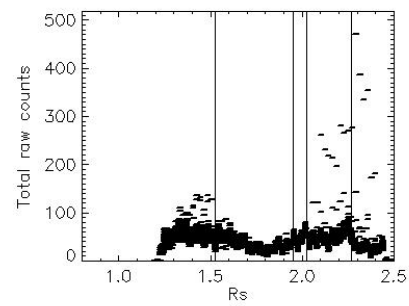
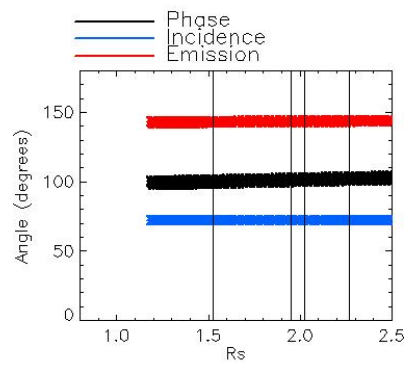
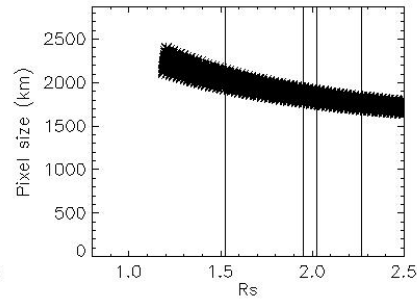
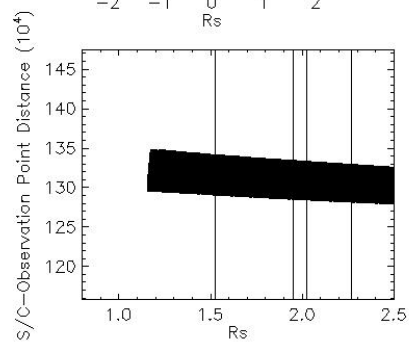
Observation Duration:
45000 S

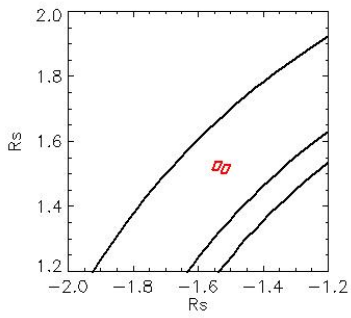
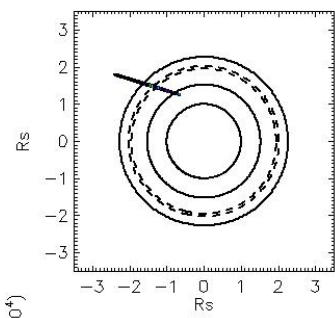
Integration time = 300 S



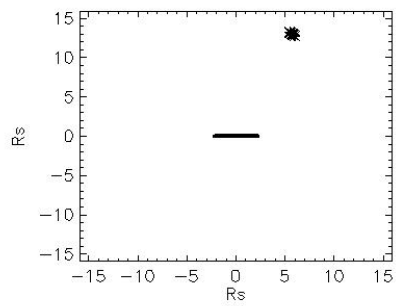
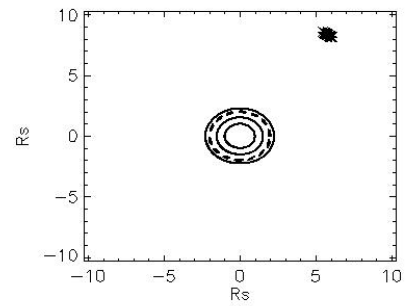
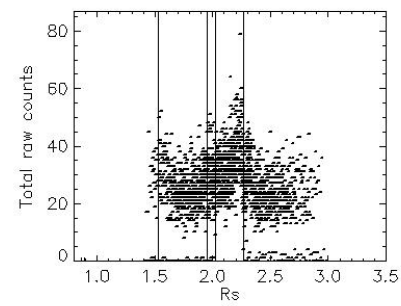
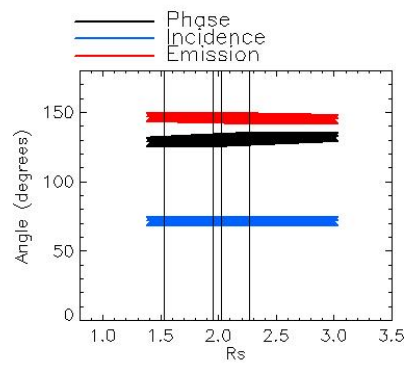
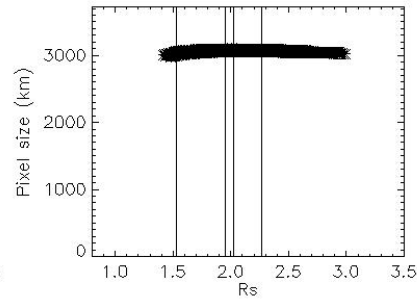
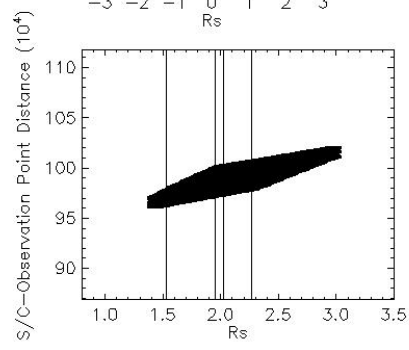


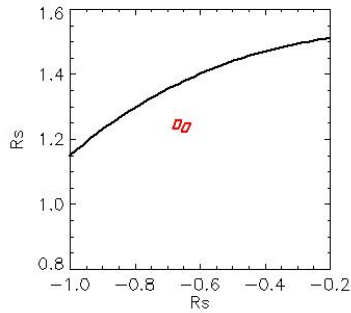
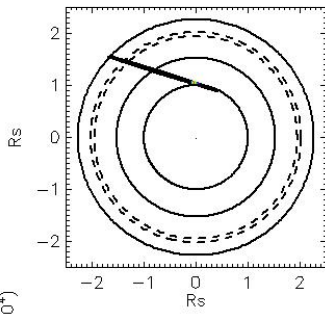
Observation Name:
 UVS_184RLSPOKEMOV001_JSS
 Observation Date:
 2013_077_15_10_03
 Observation Duration:
 17700 S
 Integration time = 300 S





Observation Name:
 UVS_185RLRCASOCC001_VIMS
 Observation Date:
 2013_091_01_53_03
 Observation Duration:
 7800 S
 Integration time = 300 S



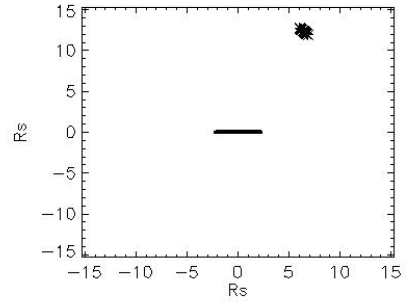
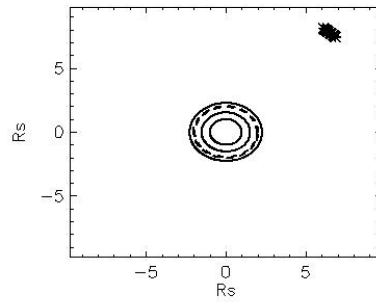
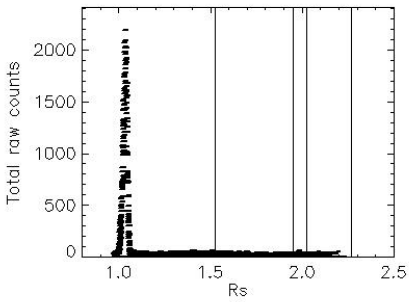
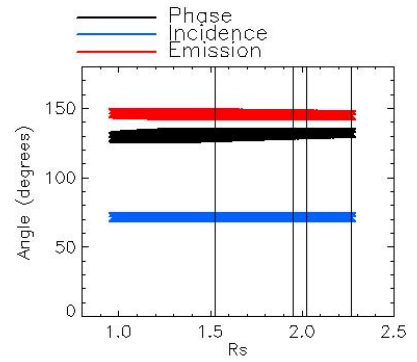
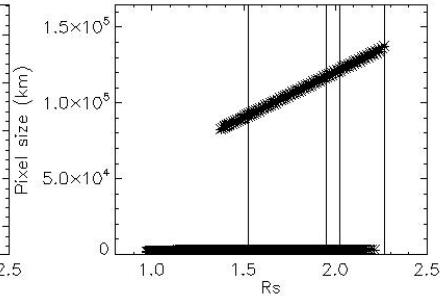
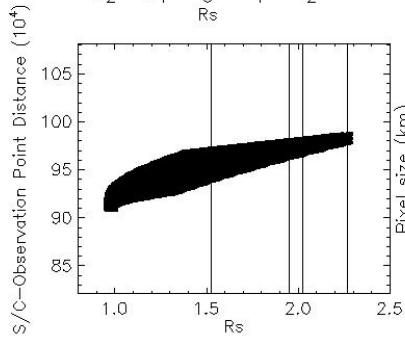


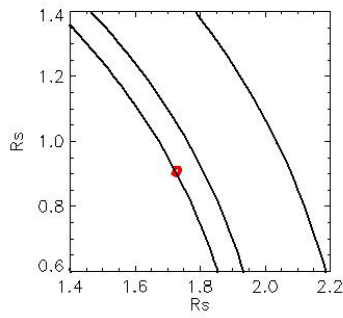
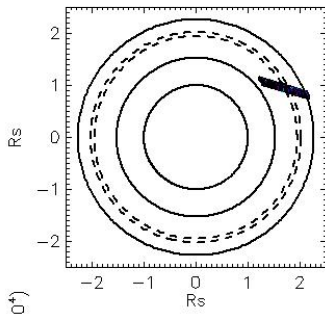
Observation Name:
UMS_185RLRCASOCC01_VIMS

Observation Date:
2013_091_04_03_03

Observation Duration:
11700 S

Integration time = 300 S



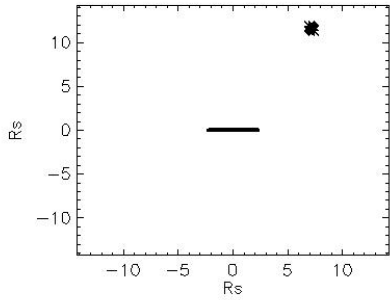
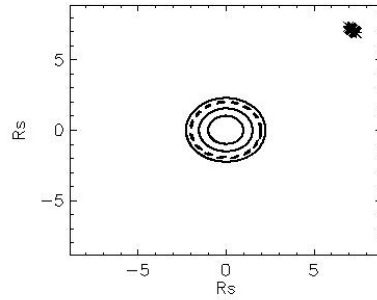
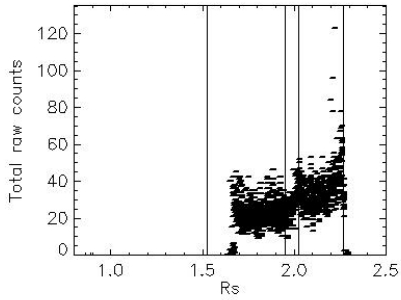
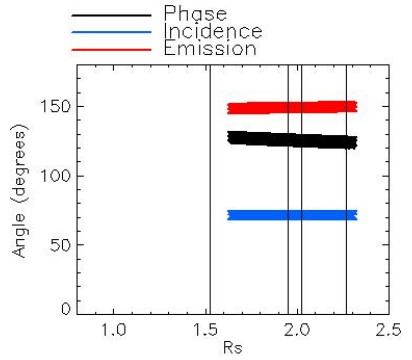
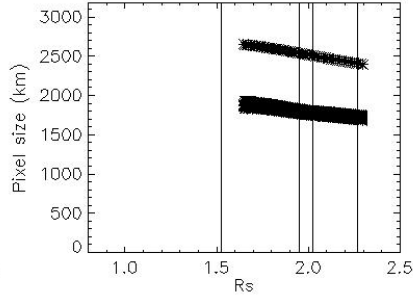
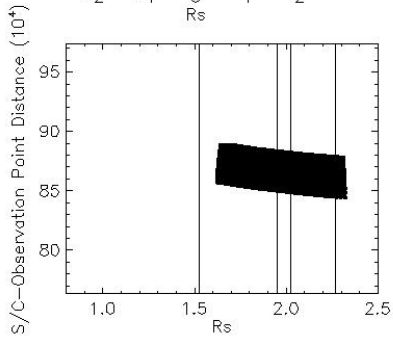


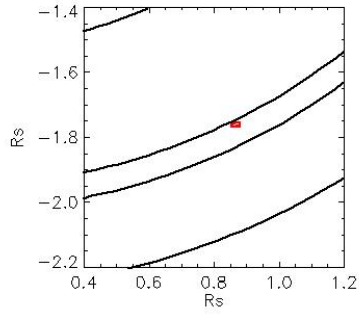
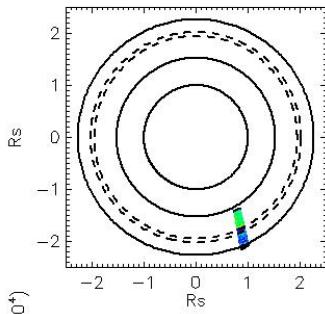
Observation Name:
UMS_185RLCASOCC001_VIMS

Observation Date:
2013_091_07_30_03

Observation Duration:
7200 S

Integration time = 300 S



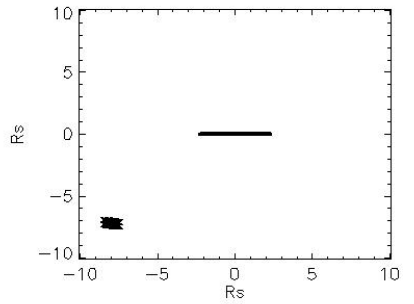
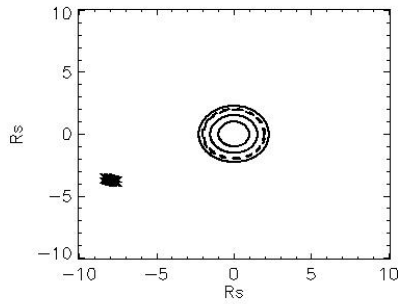
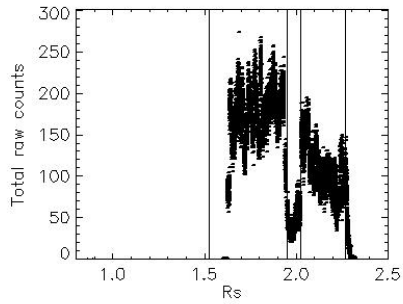
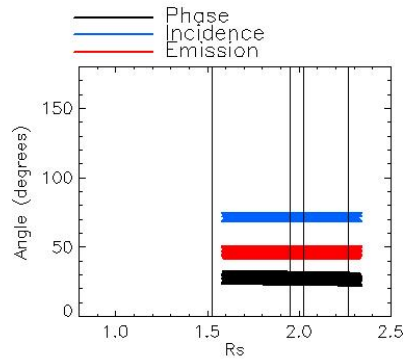
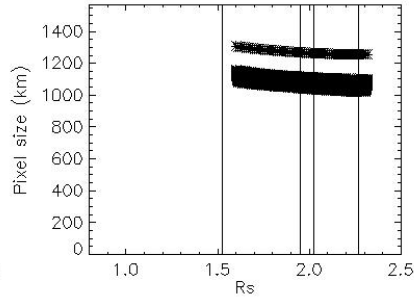
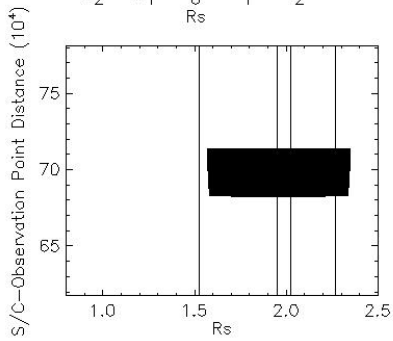


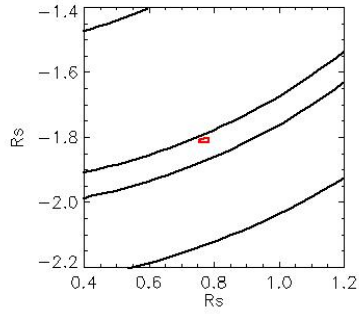
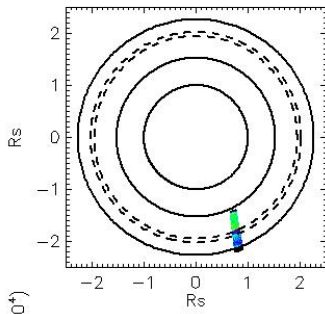
Observation Name:
UMS_185RLRINGMAP001_PRIME

Observation Date:
2013_093_23_41_13

Observation Duration:
6050 S

Integration time = 50 S



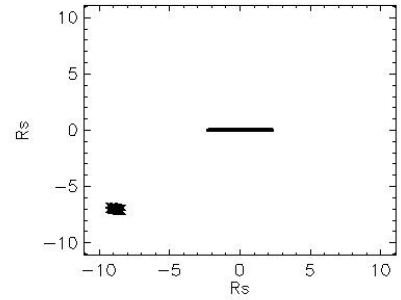
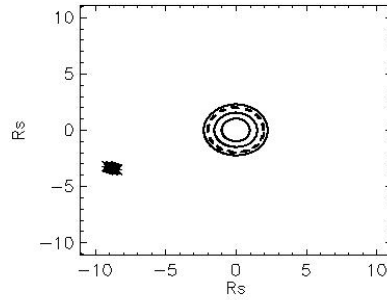
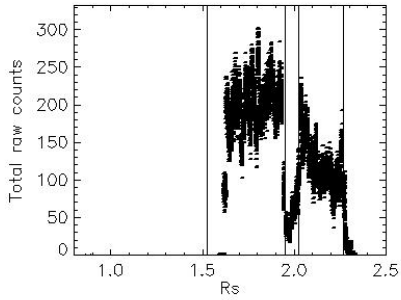
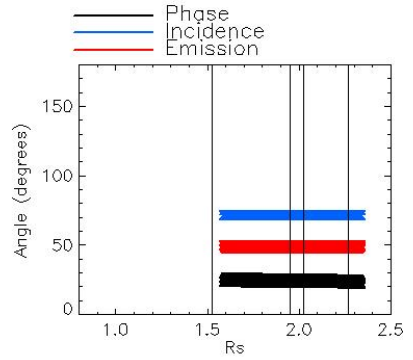
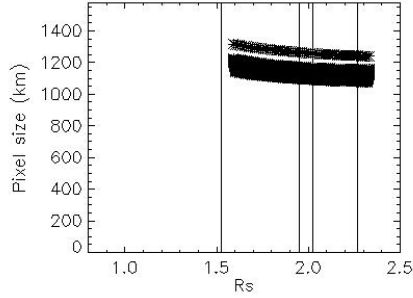
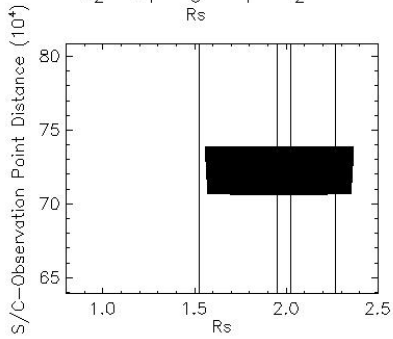


Observation Name:
UVS_185RLRINGMAP001_PRIME

Observation Date:
2013_094_01_23_42

Observation Duration:
6250 S

Integration time = 50 S



— Phase
— Incidence
— Emission