

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.

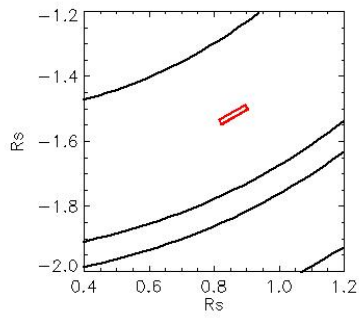
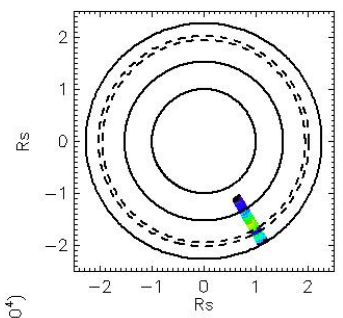
Middle center: Maximum projected smeared pixel size for all data records plotted against the radial location of the projected pixel at the middle of the integration period.

Middle right: Phase, incidence, and emission angles for each pixel for all data records at the middle of the integration period.

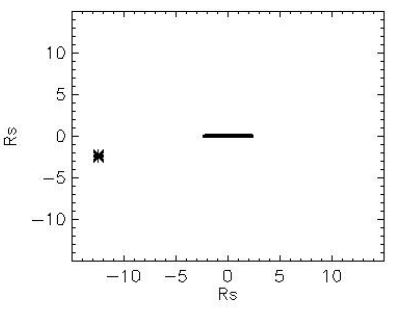
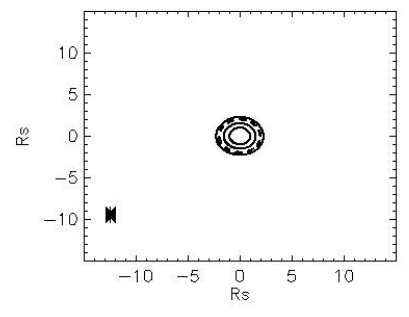
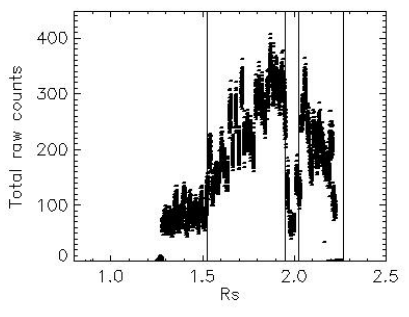
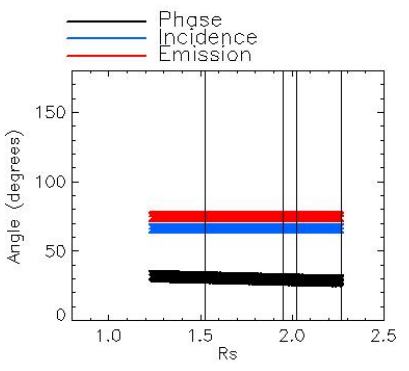
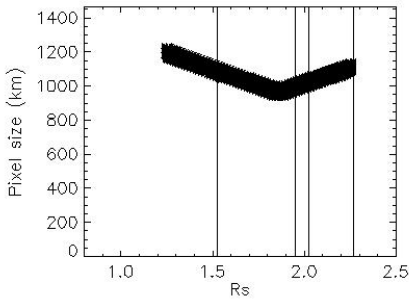
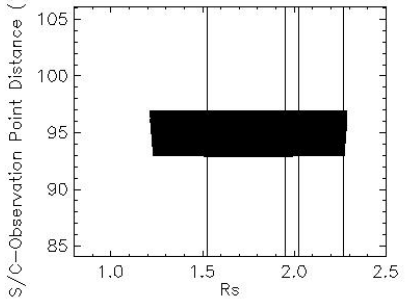
Bottom left: Total raw counts from 175.2 – 189.8 nm for each pixel for all data records.

Bottom center: Location of spacecraft throughout an observation looking down on Saturn North Pole with the Sun to the left.

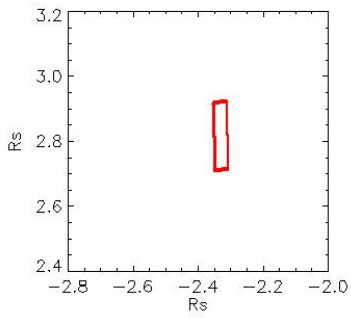
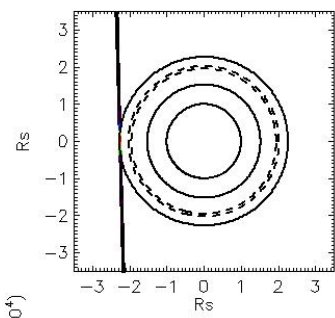
Bottom right: Location of spacecraft throughout an observation looking in the equatorial plane with the Sun to the left.



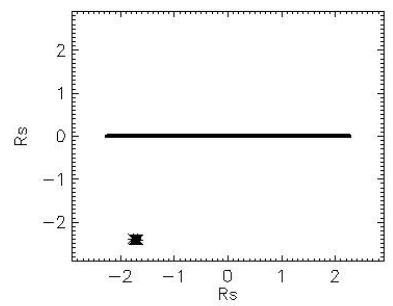
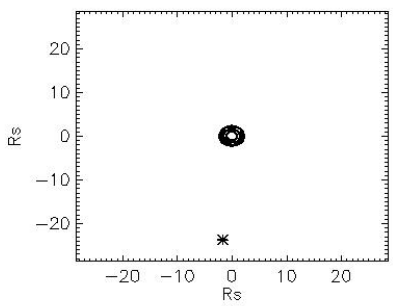
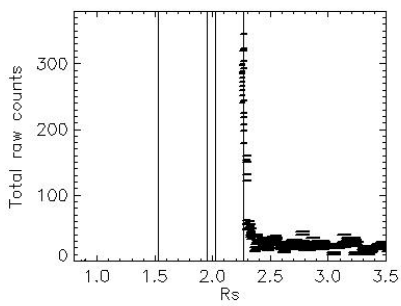
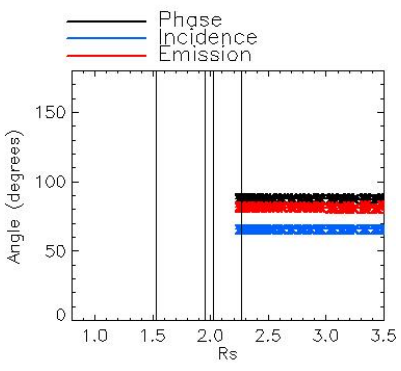
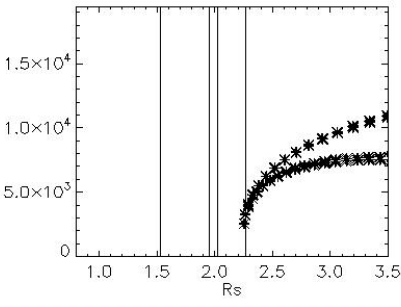
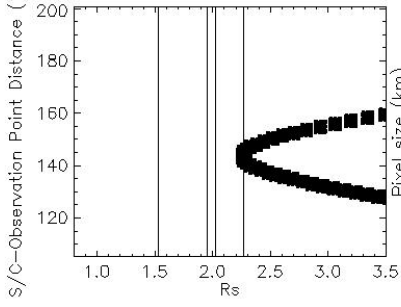
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 UVS_211RLRINGMAP001_PRIME
 Observation Date:
 2015_008_07_25_52
 Observation Duration:
 6050 S
 Integration time = 50 S

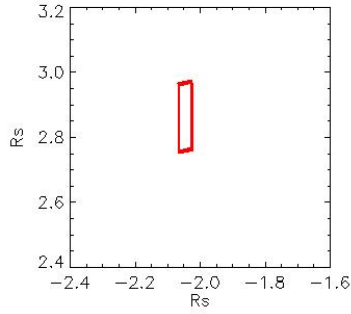
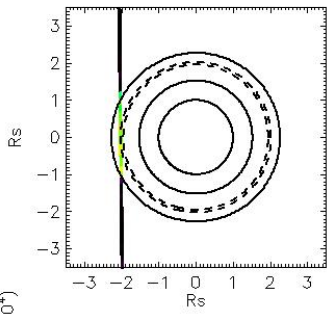


— Phase
 — Incidence
 — Emission



Observation Name:
 UVS_213RLLATPHASE001_VIMS
 Observation Date:
 2015_071_04_48_04
 Observation Duration:
 2100 S
 Integration time = 300 S





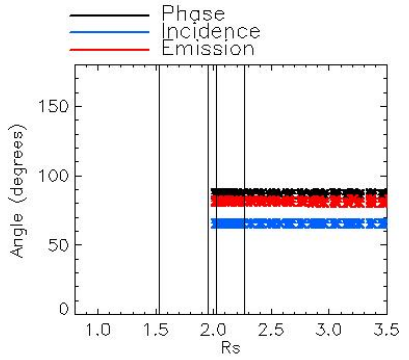
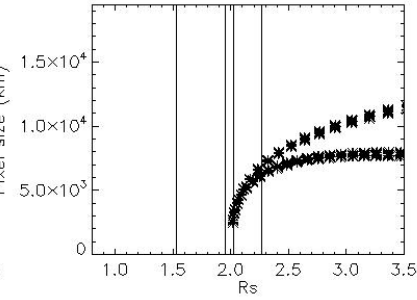
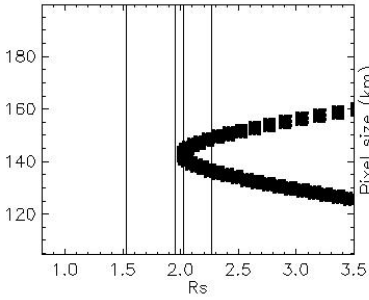
Observation Name:
UMS_213RLLATPHASE001_VIMS

Observation Date:
2015_071_05_27_02

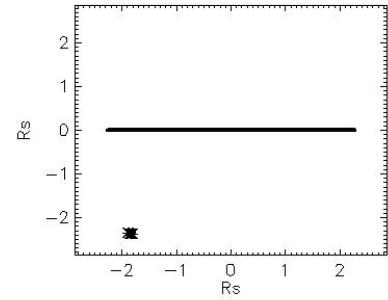
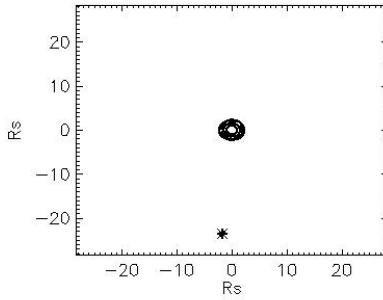
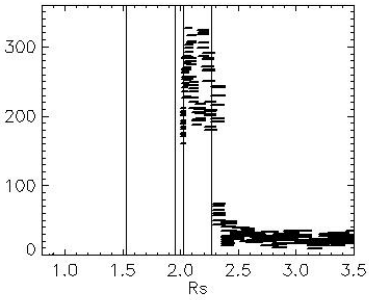
Observation Duration:
2100 S

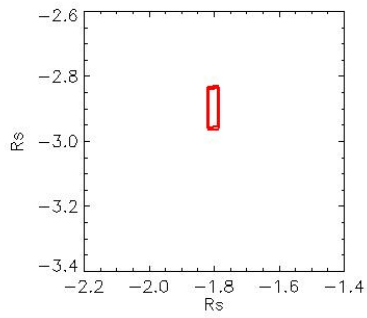
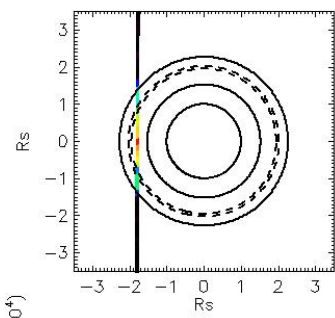
Integration time = 300 S

S/C—Observation Point Distance (10^4)



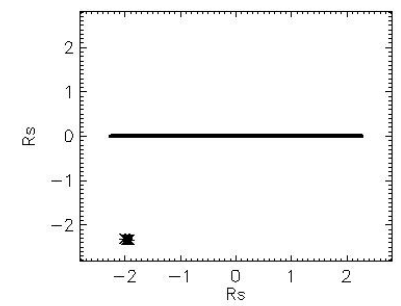
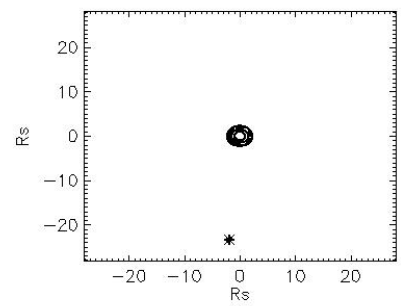
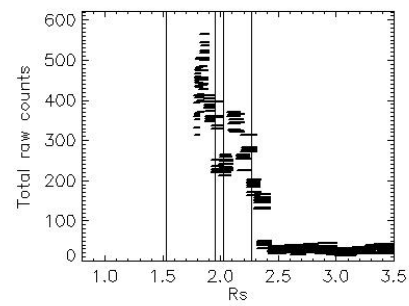
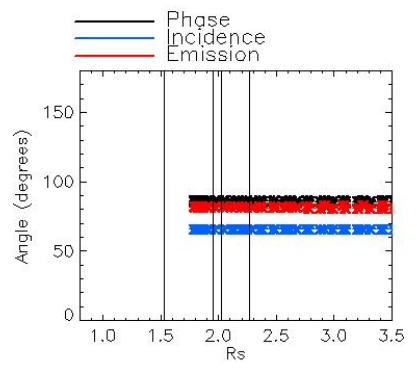
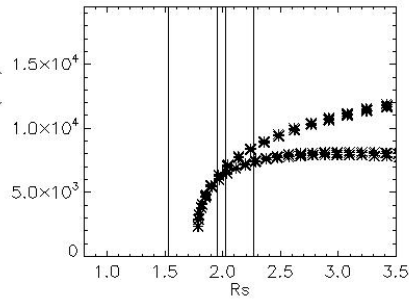
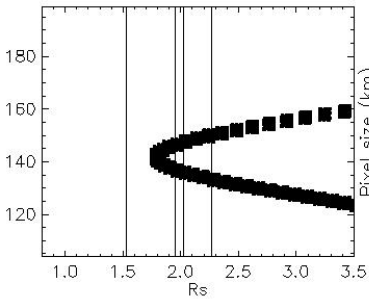
Total raw counts

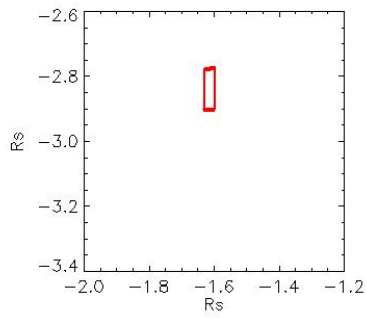
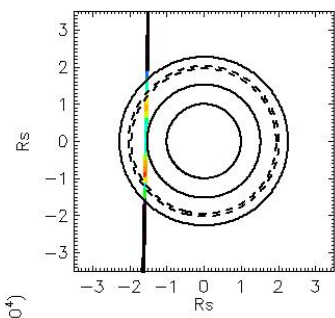




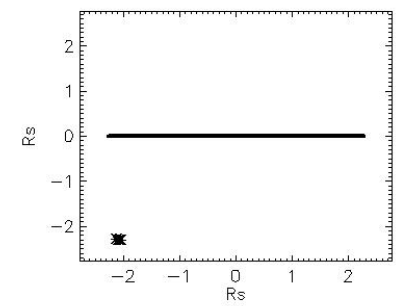
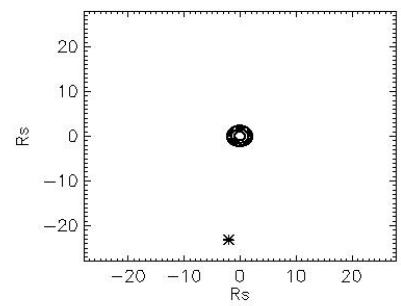
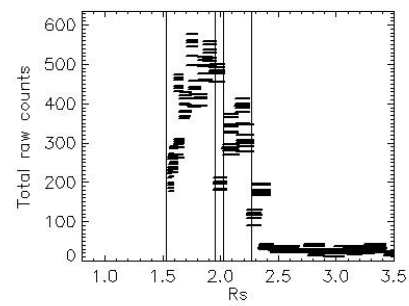
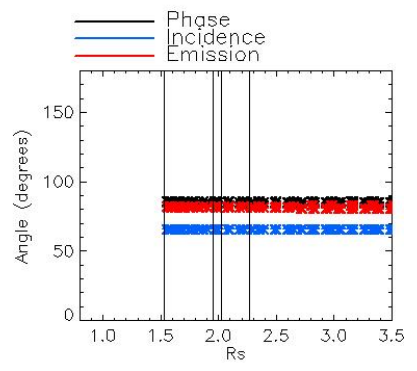
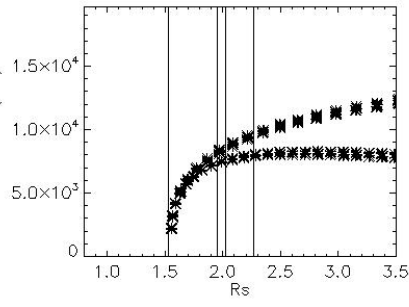
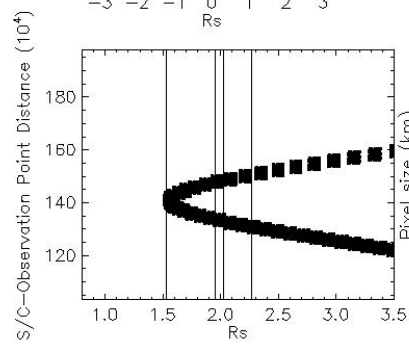
Observation Name:
 UVS_213RLLATPHASE001_VIMS
 Observation Date:
 2015_071_06_05_59
 Observation Duration:
 2100 S
 Integration time = 300 S

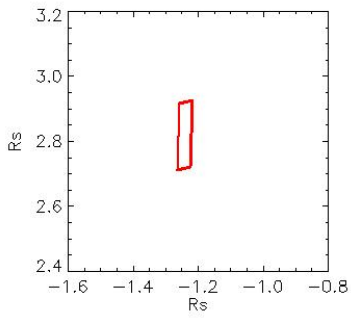
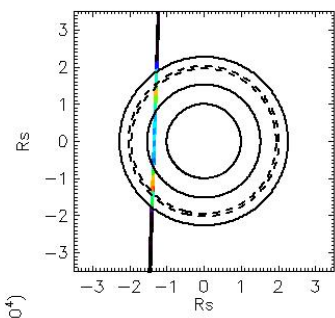
S/C—Observation Point Distance (10^4)



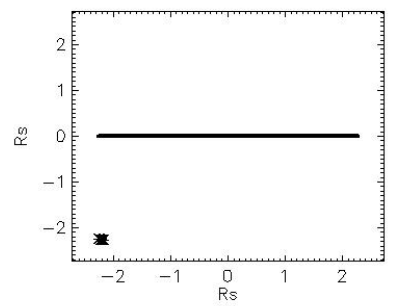
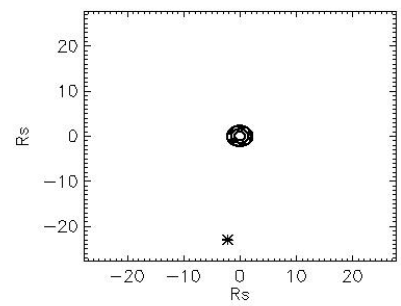
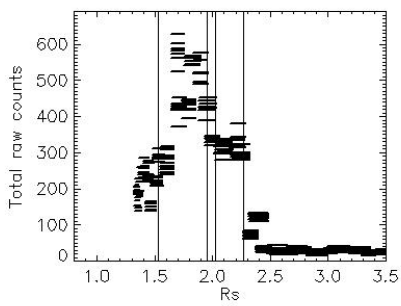
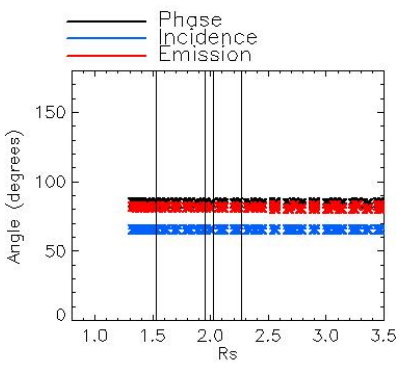
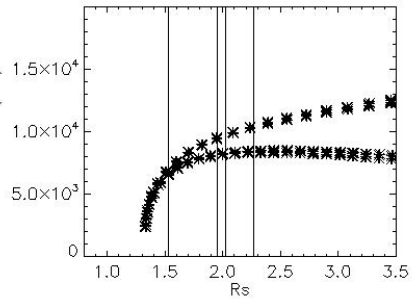
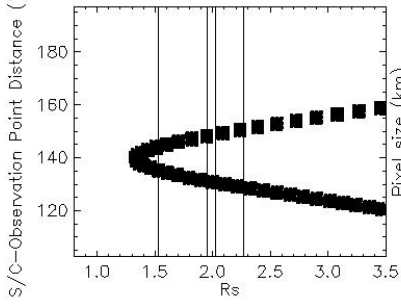


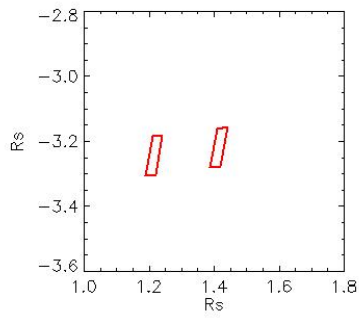
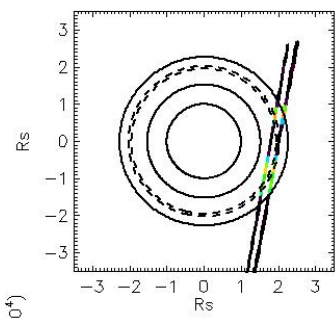
Observation Name:
 UVS_213RLLATPHASE001_VIMS
 Observation Date:
 2015_071_06_44_57
 Observation Duration:
 2100 S
 Integration time = 300 S



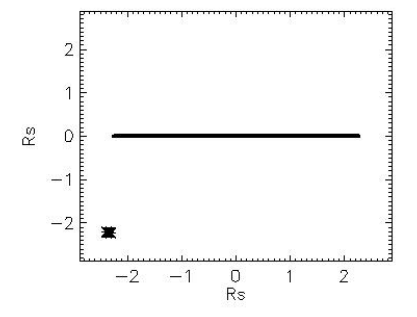
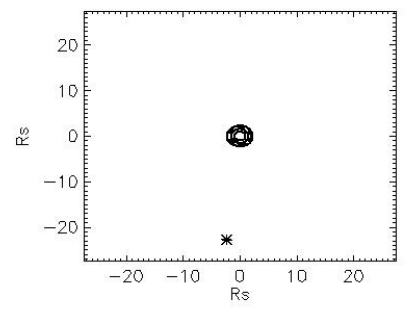
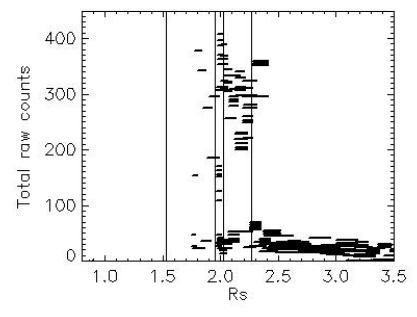
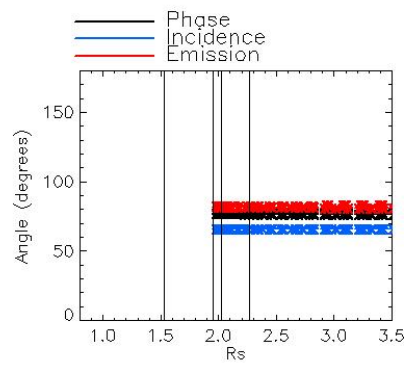
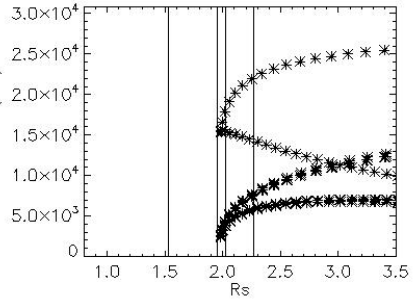
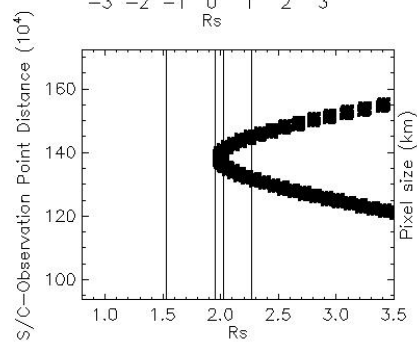


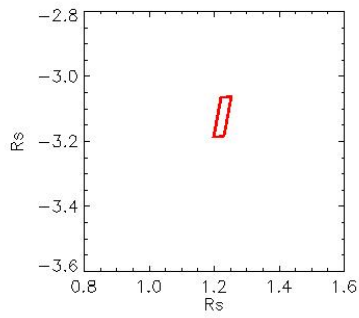
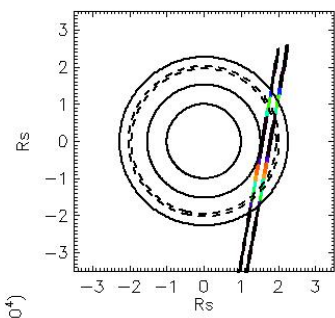
Observation Name:
 UVS_213RLLATPHASE001_VIMS
 Observation Date:
 2015_071_07_23_55
 Observation Duration:
 2100 S
 Integration time = 300 S



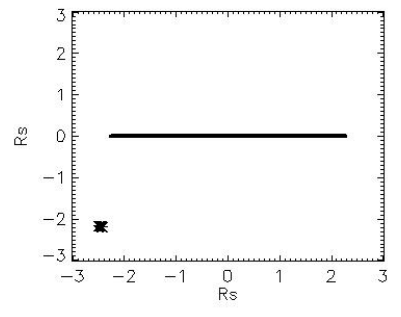
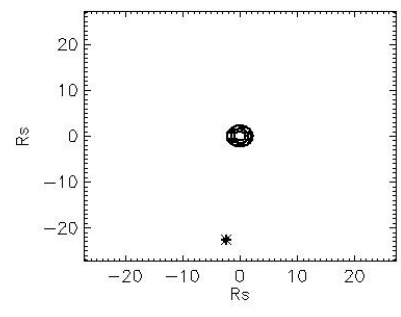
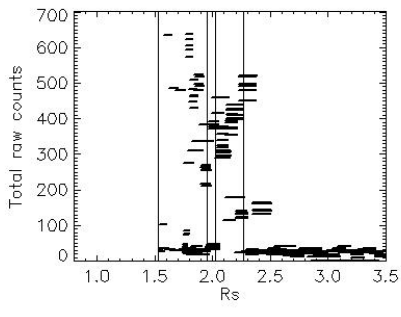
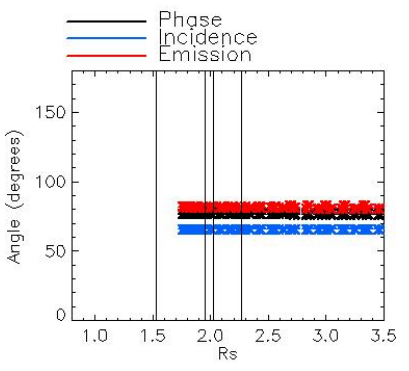
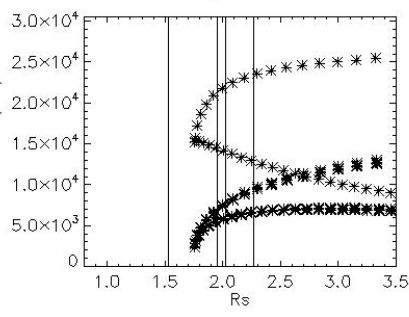
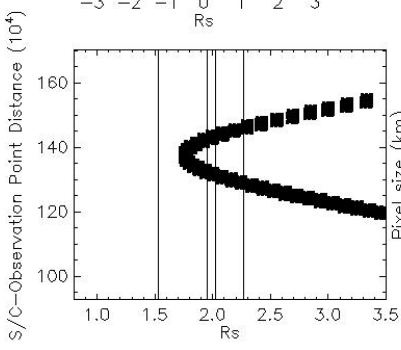


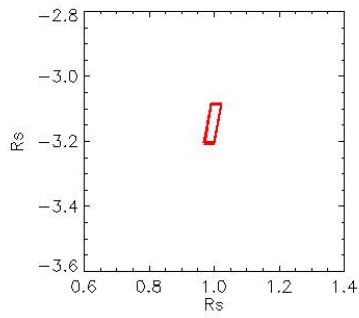
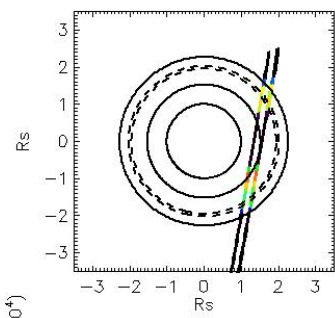
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 Observation Date:
 2015_071_08_07_33
 Observation Duration:
 2100 S
 Integration time = 300 S



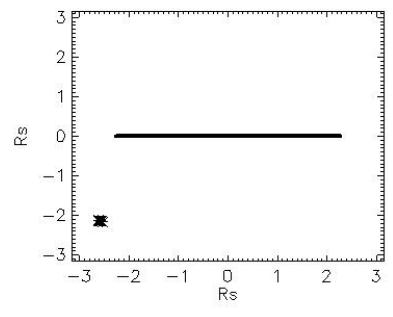
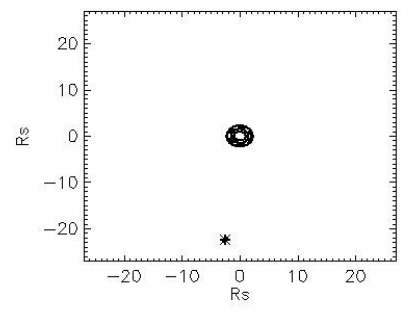
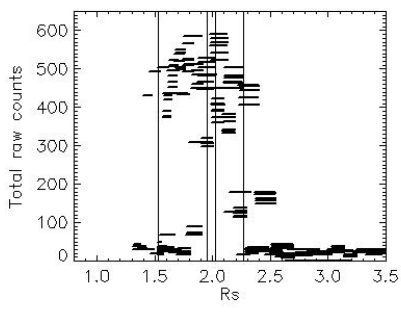
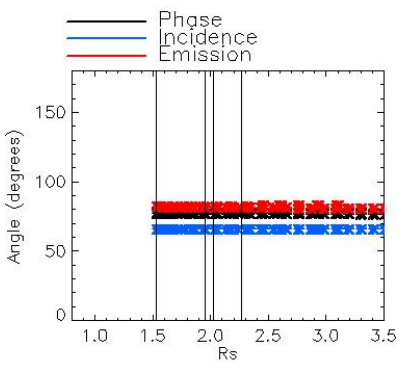
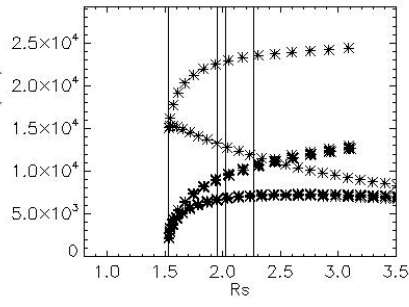
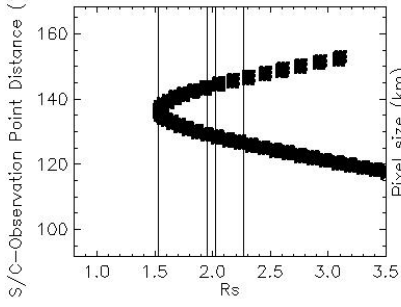


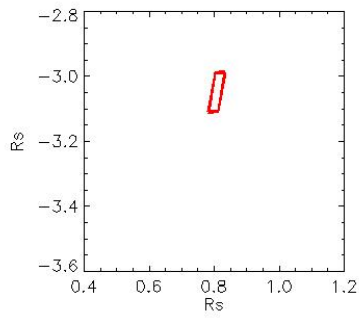
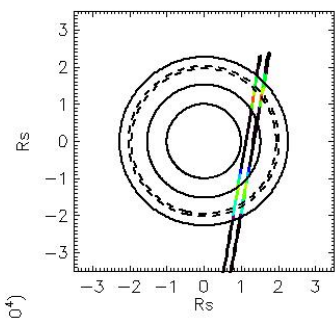
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 Observation Date:
 2015_071_08_44_31
 Observation Duration:
 2100 S
 Integration time = 300 S



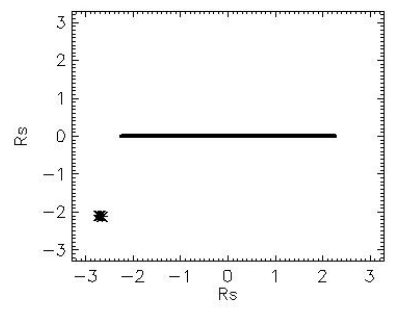
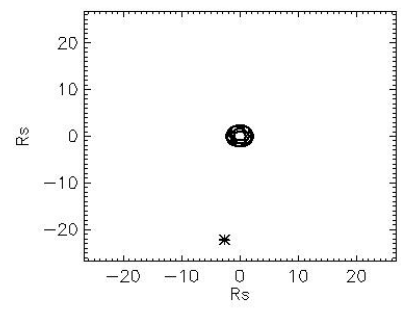
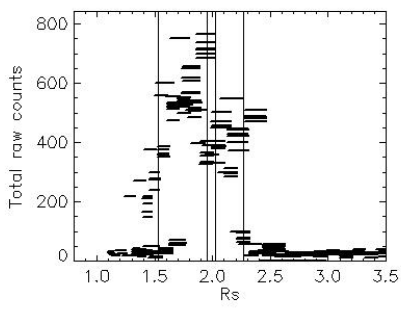
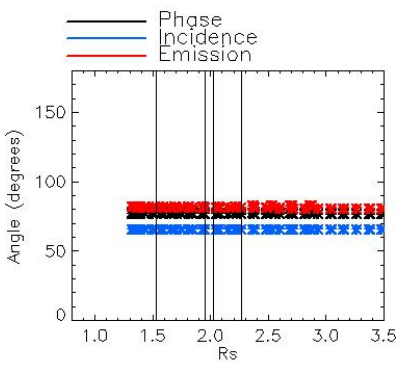
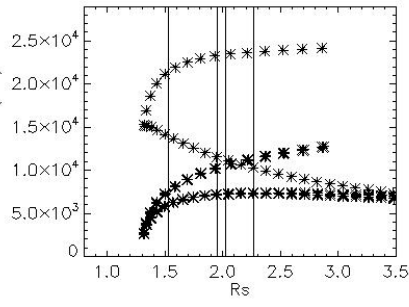
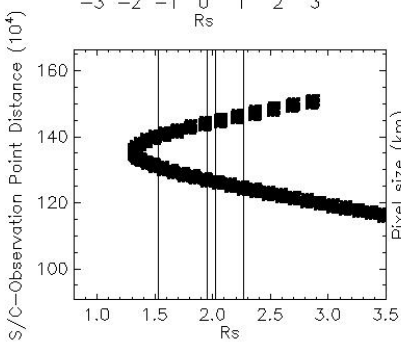


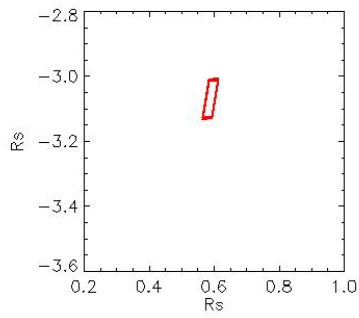
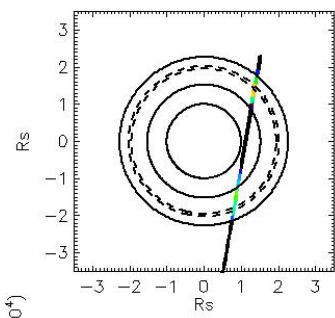
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 Observation Date:
 2015_071_09_21_29
 Observation Duration:
 2100 S
 Integration time = 300 S



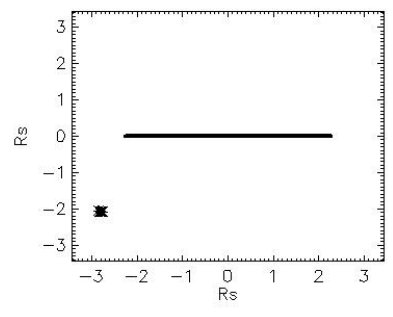
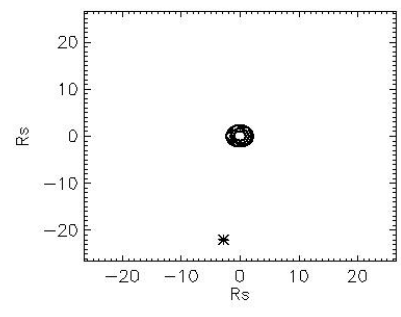
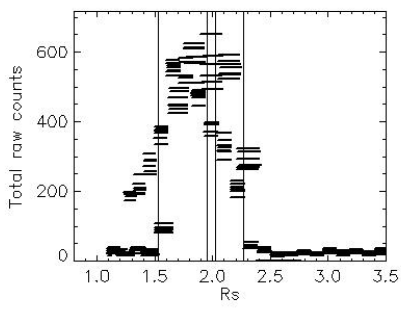
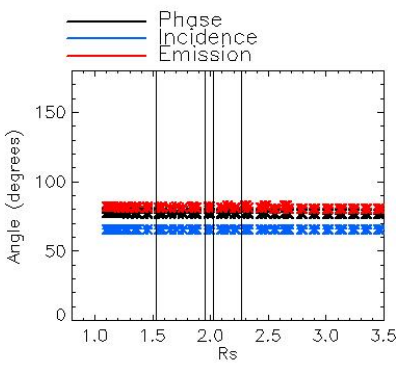
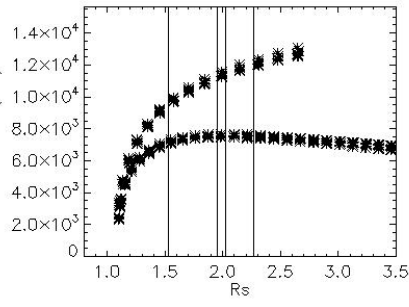
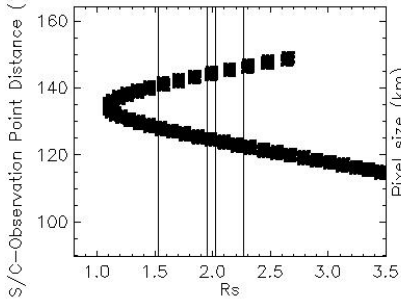


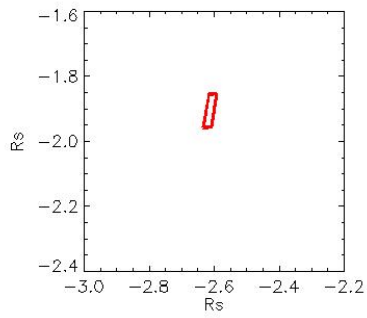
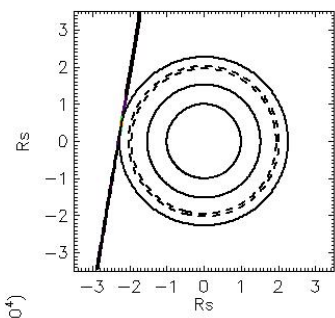
Observation Name:
 UVS_213RLLATPHASE001_VIMS
 Observation Date:
 2015_071_09_58_27
 Observation Duration:
 2100 S
 Integration time = 300 S



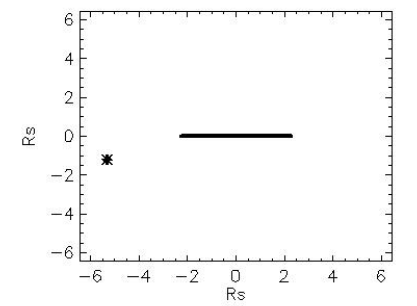
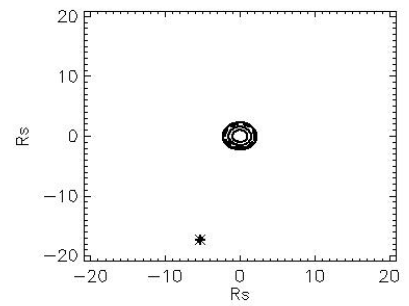
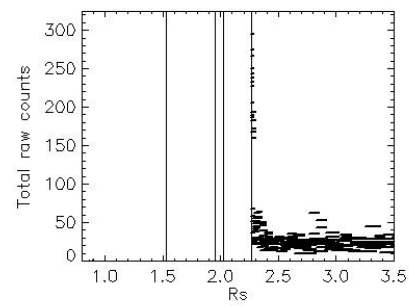
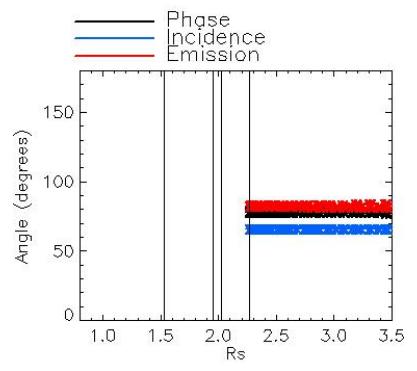
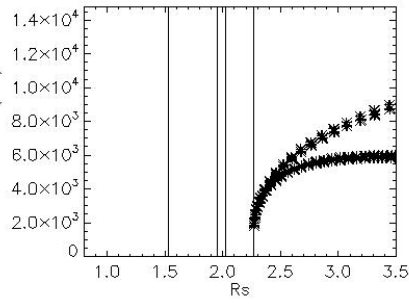
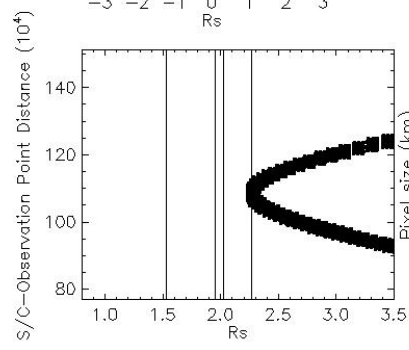


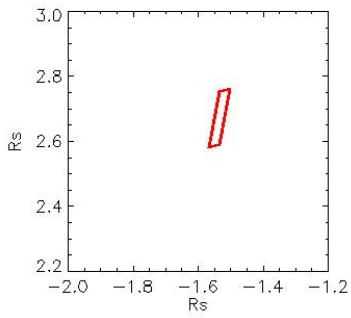
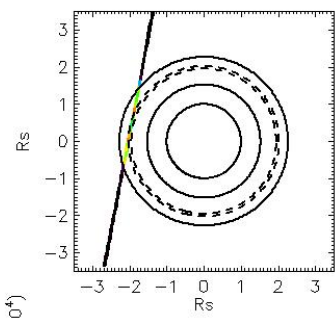
Observation Name:
 UVS_213RLLATPHASE001_VIMS
 Observation Date:
 2015_071_10_35_25
 Observation Duration:
 2100 S
 Integration time = 300 S



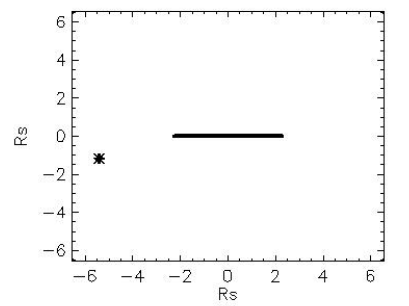
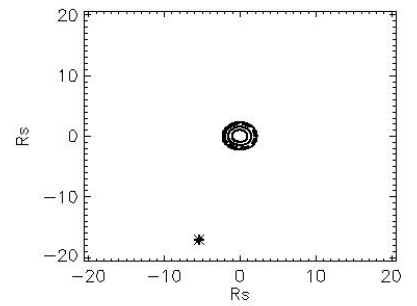
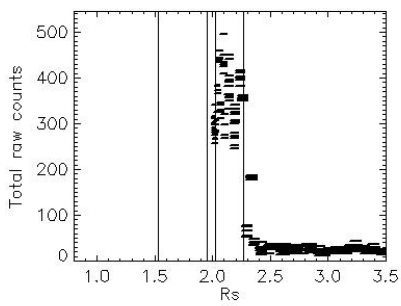
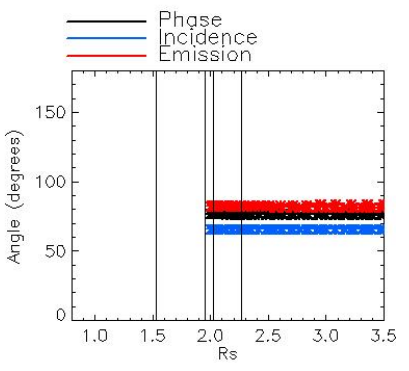
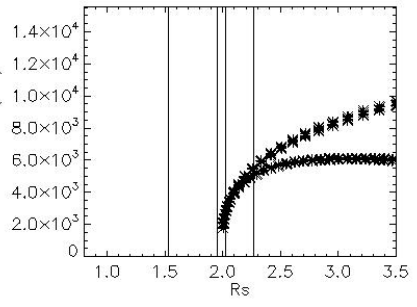
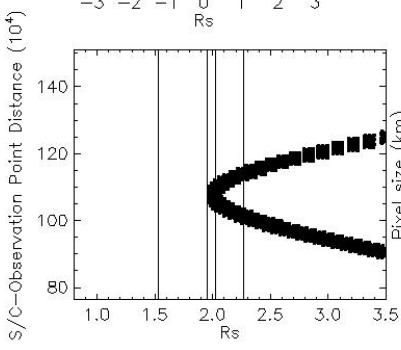


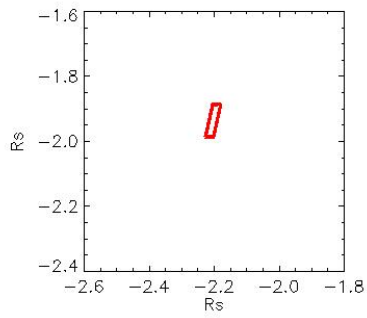
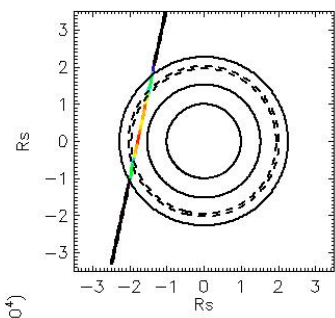
Observation Name:
 UVS_213RLLATPHASE002_VIMS
 Observation Date:
 2015_072_00_28_34
 Observation Duration:
 1800 S
 Integration time = 300 S





Observation Name:
 UVS_213RLLATPHASE002_VIMS
 Observation Date:
 2015_072_01_03_41
 Observation Duration:
 1800 S
 Integration time = 300 S





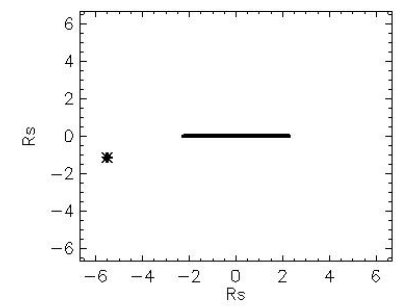
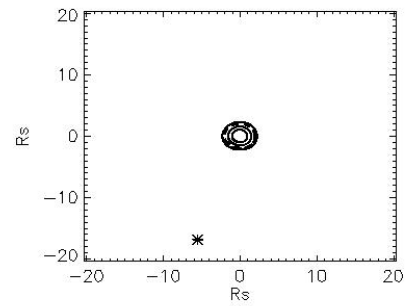
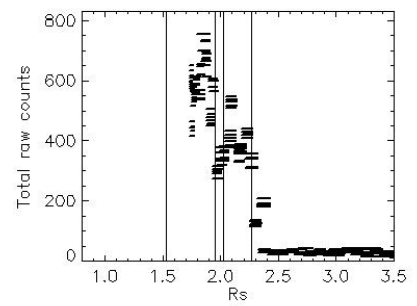
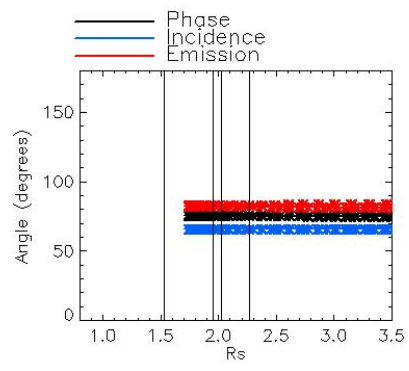
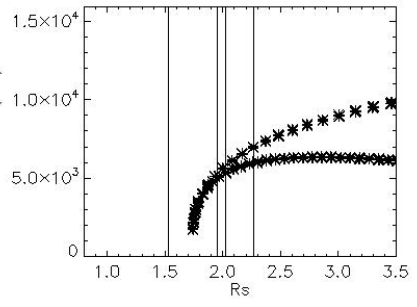
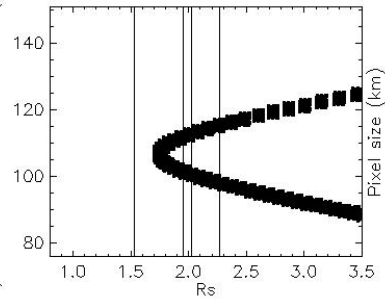
Observation Name:
UMS_213RLLATPHASE002_VIMS

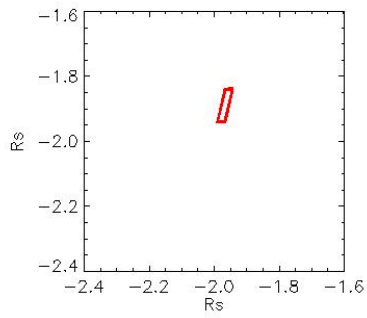
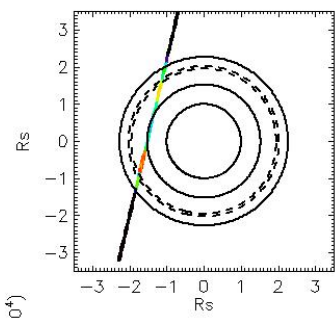
Observation Date:
2015_072_01_38_49

Observation Duration:
1800 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



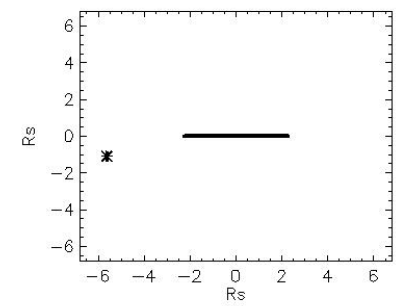
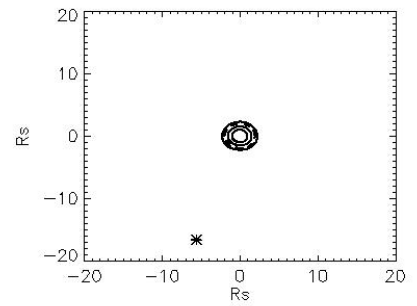
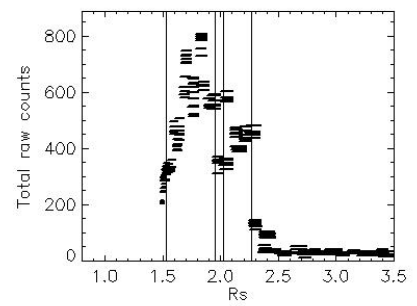
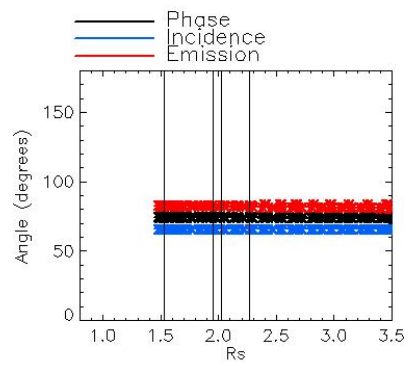
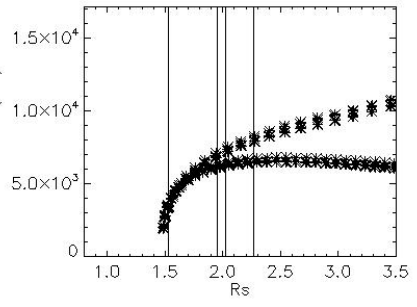
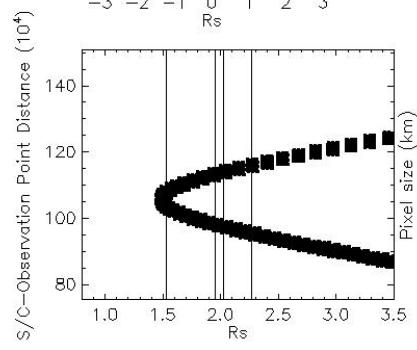


Observation Name:
UMS_213RLLATPHASE002_VIMS

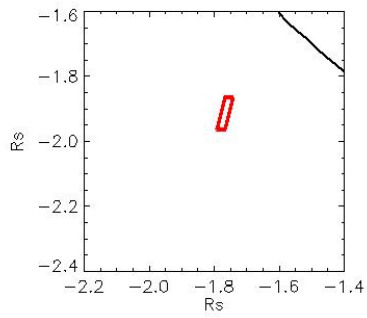
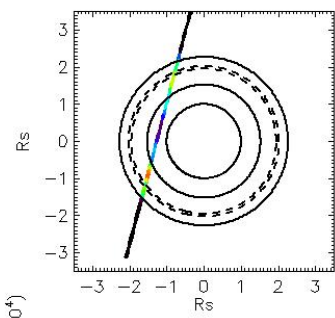
Observation Date:
2015_072_02_13_57

Observation Duration:
1800 S

Integration time = 300 S



— Phase
— Incidence
— Emission

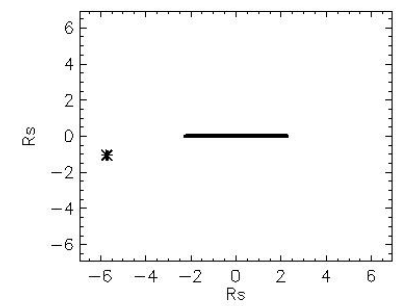
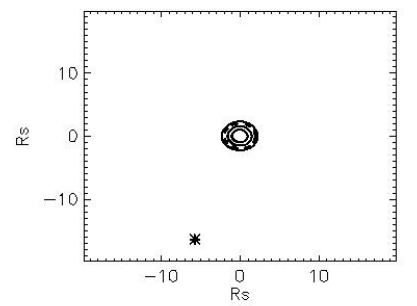
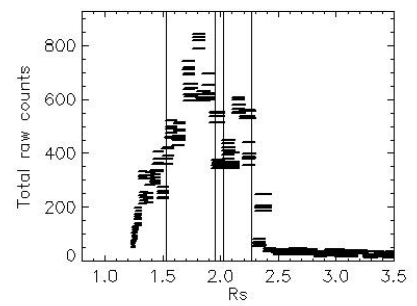
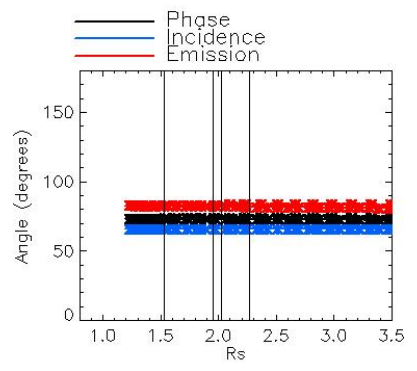
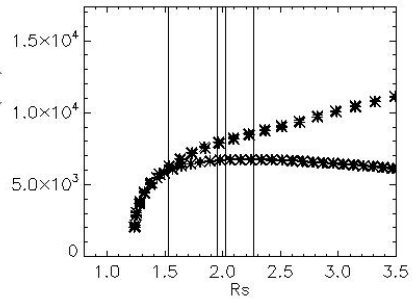
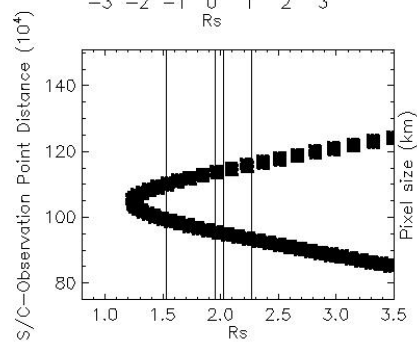


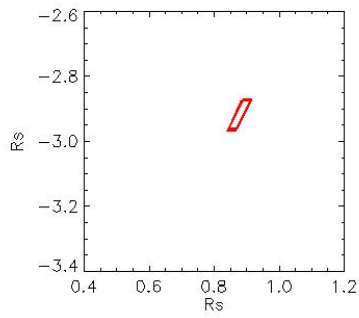
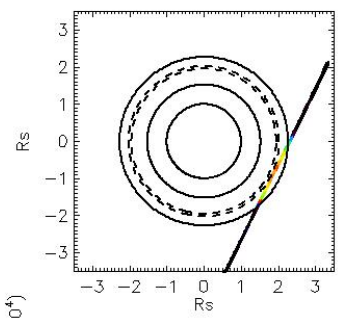
Observation Name:
UMS_213RLLATPHASE002_VIMS

Observation Date:
2015_072_02_49_05

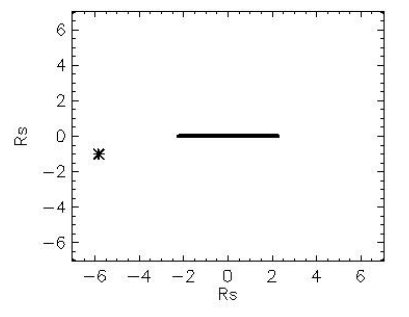
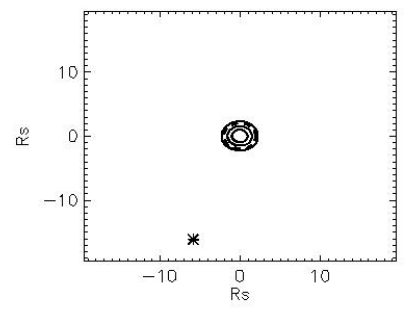
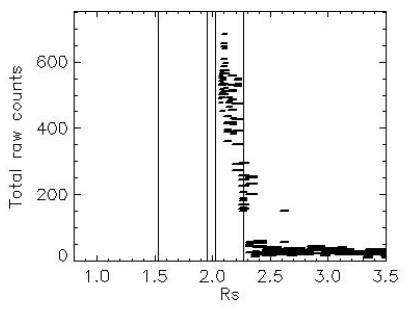
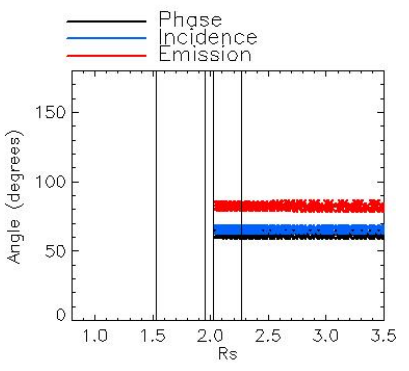
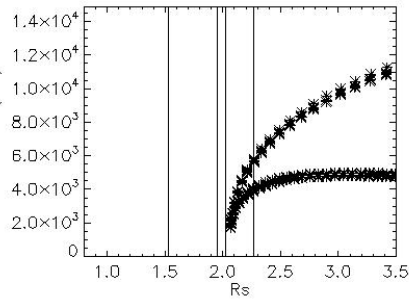
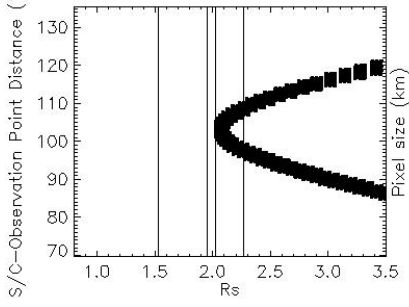
Observation Duration:
1800 S

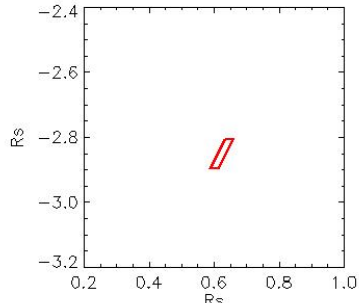
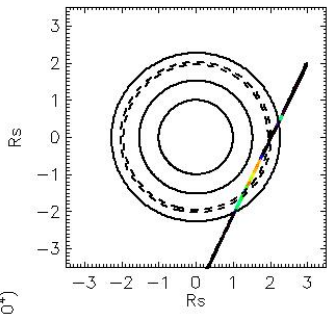
Integration time = 300 S





Observation Name:
 UVS_213RLLATPHASE002_VIMS
 Observation Date:
 2015_072_03_28_03
 Observation Duration:
 1800 S
 Integration time = 300 S



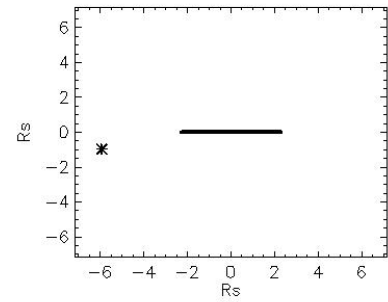
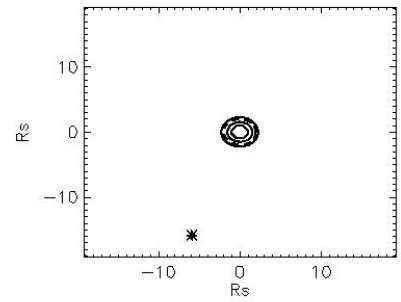
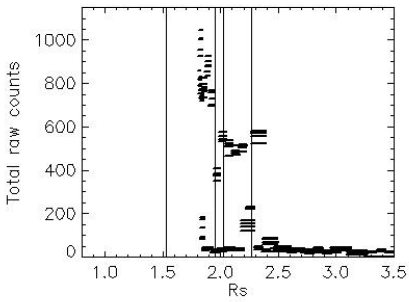
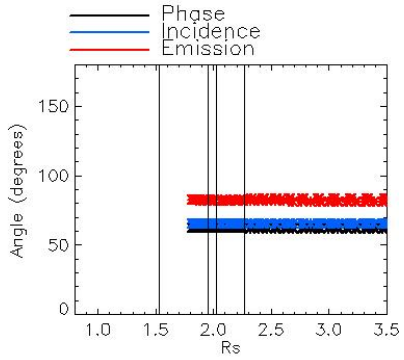
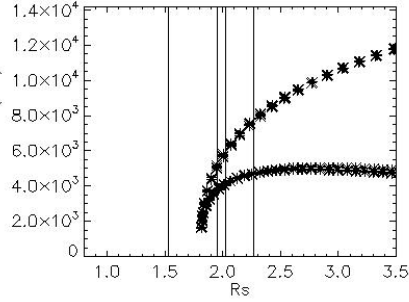
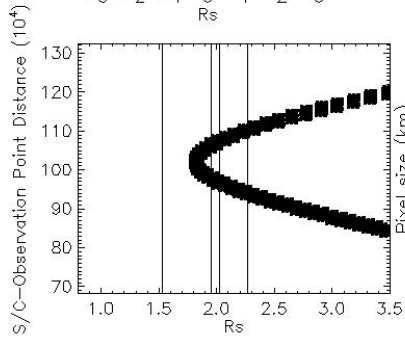


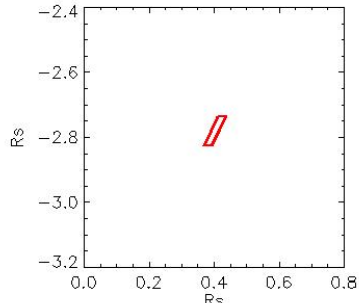
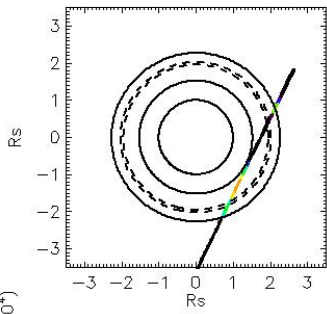
Observation Name:
UMS_213RLLATPHASE002_VIMS

Observation Date:
2015_072_04_02_41

Observation Duration:
1800 S

Integration time = 300 S



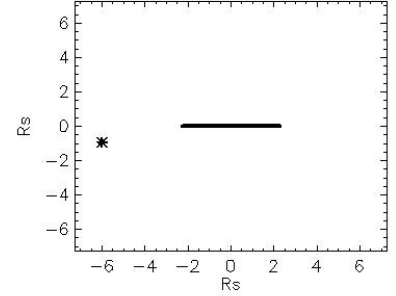
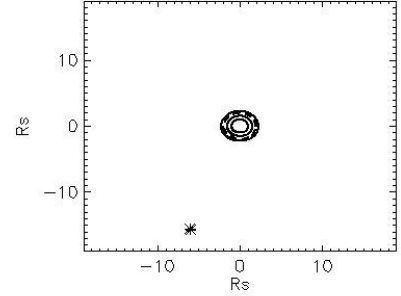
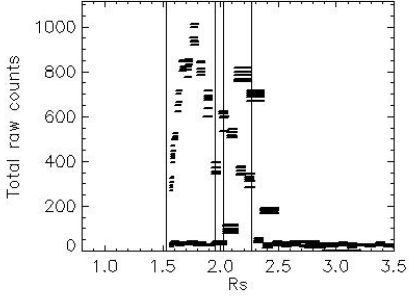
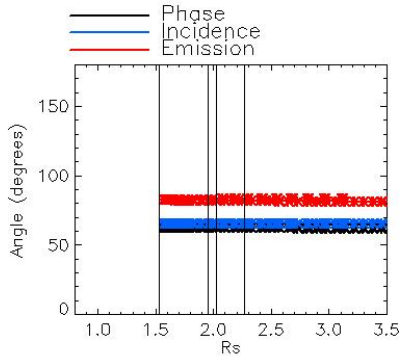
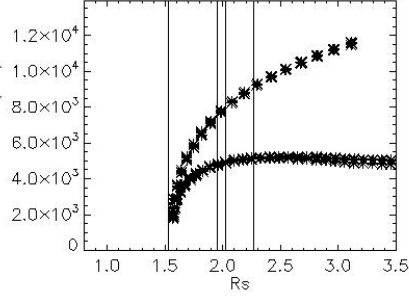
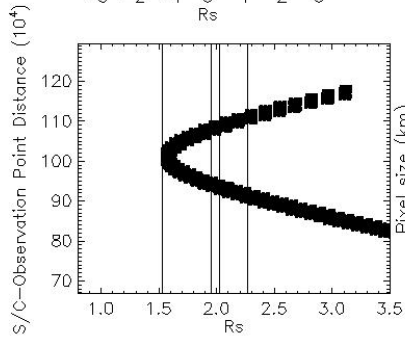


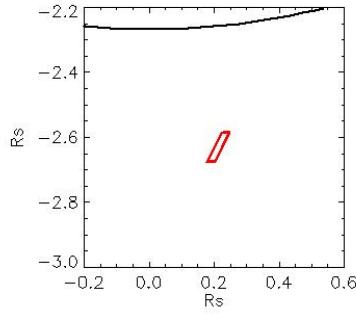
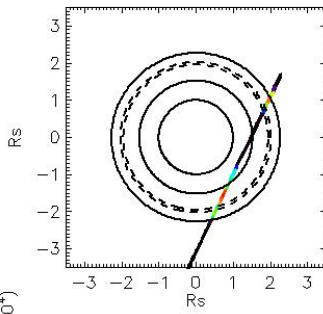
Observation Name:
UMS_213RLLATPHASE002_VIMS

Observation Date:
2015_072_04_37_19

Observation Duration:
1800 S

Integration time = 300 S



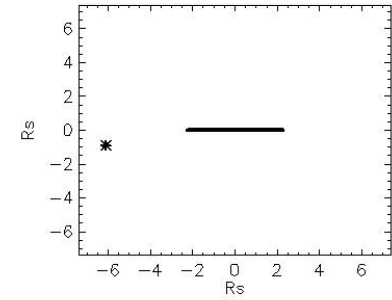
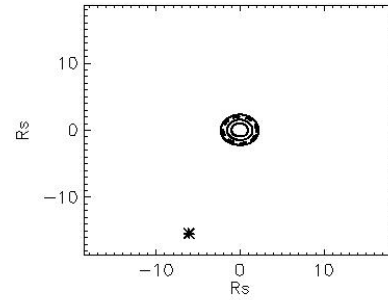
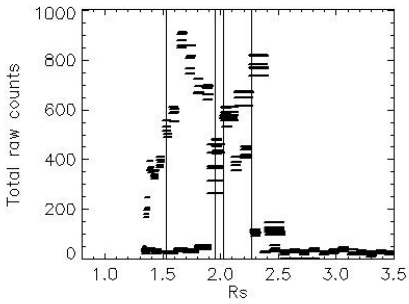
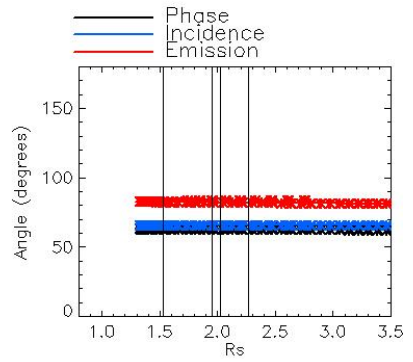
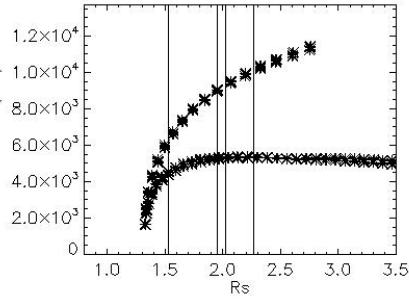
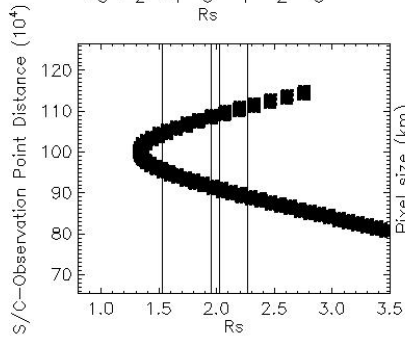


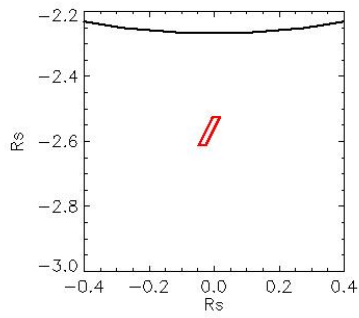
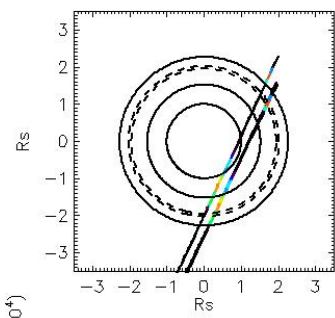
Observation Name:
UMS_213RLLATPHASE002_VIMS

Observation Date:
2015_072_05_11_57

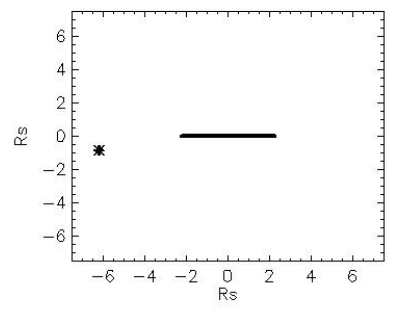
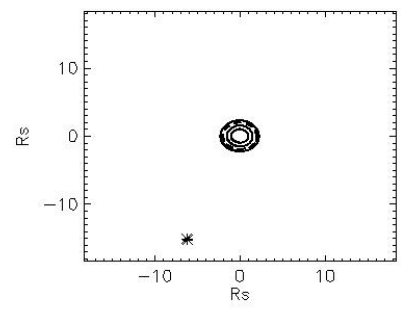
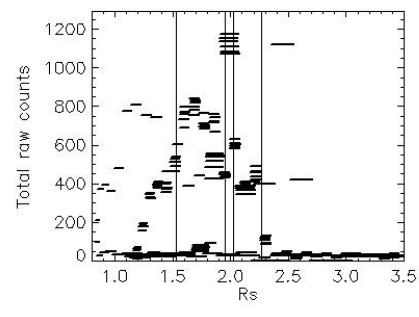
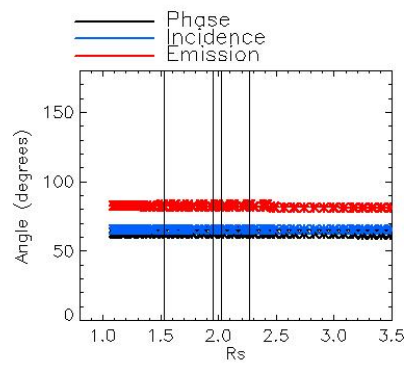
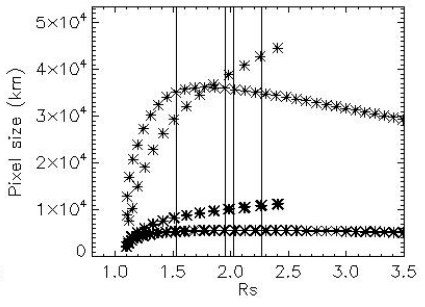
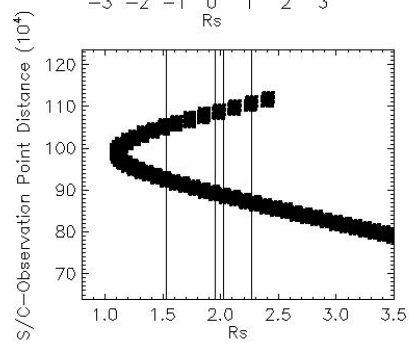
Observation Duration:
1800 S

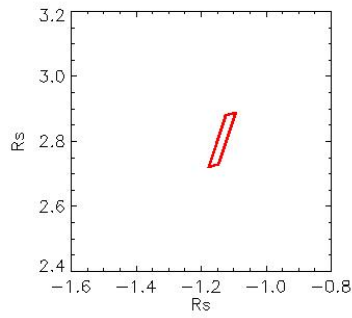
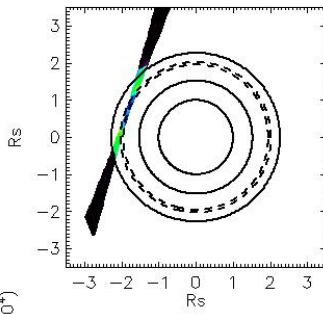
Integration time = 300 S





Observation Name:
 UVS_213RLLATPHASE002_VIMS
 Observation Date:
 2015_072_05_46_35
 Observation Duration:
 2100 S
 Integration time = 300 S



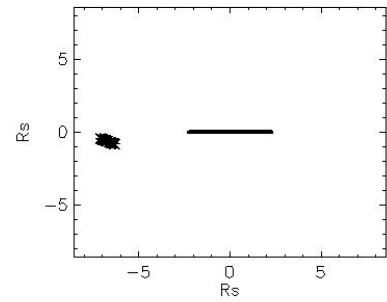
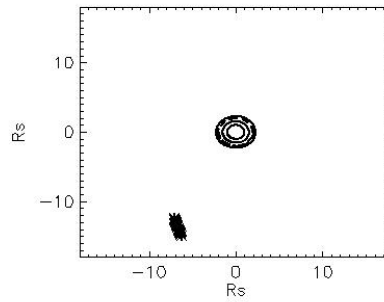
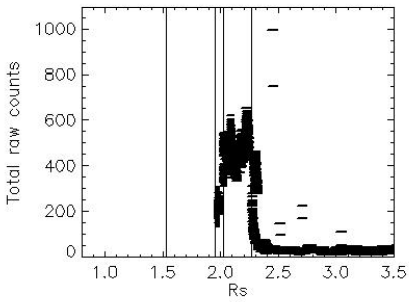
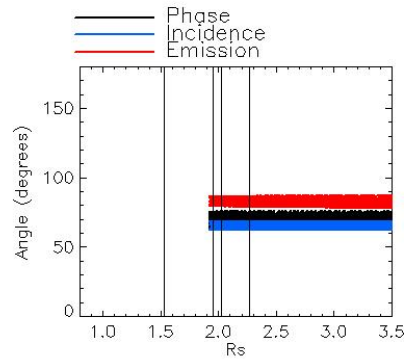
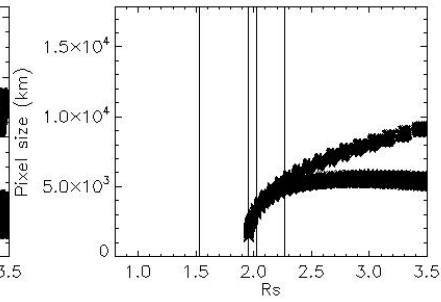
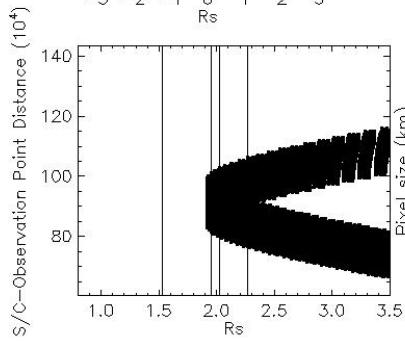


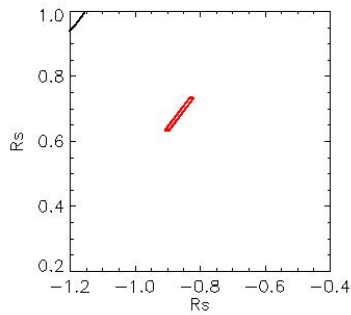
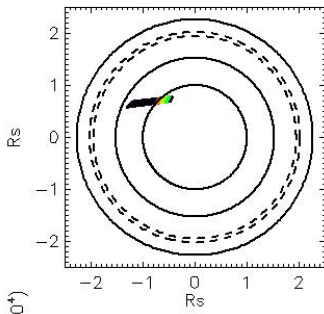
Observation Name:
UVS_213RLBMOVIE001_JSS

Observation Date:
2015_072_06_30_02

Observation Duration:
21300 S

Integration time = 300 S



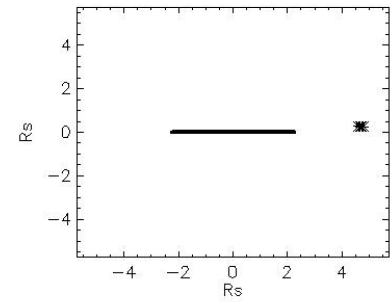
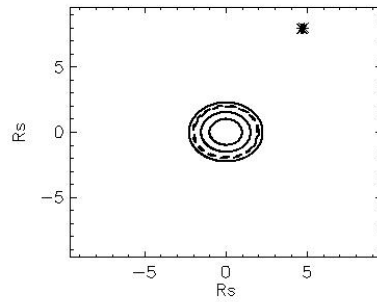
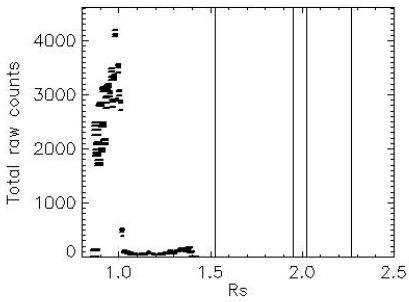
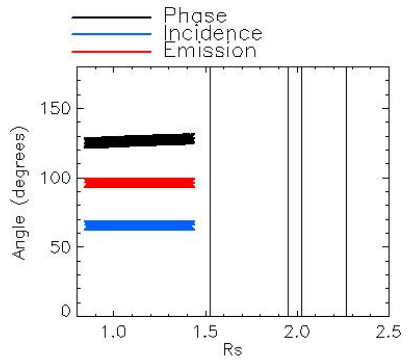
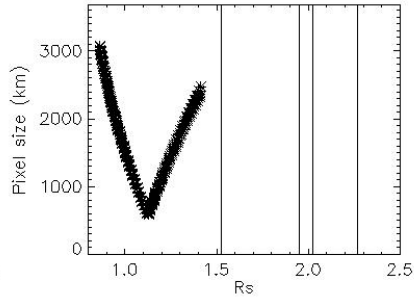
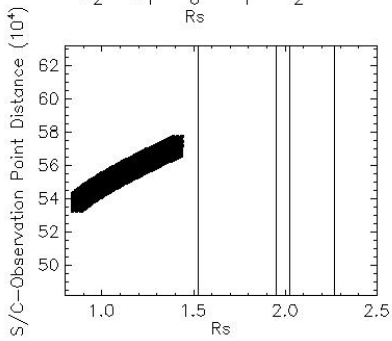


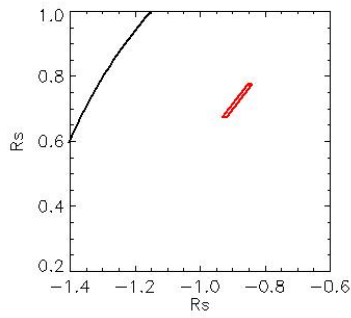
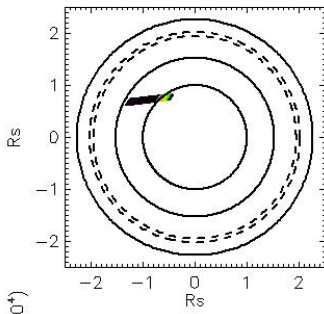
Observation Name:
UMS_213RLDRCLOSE001_ISS

Observation Date:
2015_074_05_11_04

Observation Duration:
1200 S

Integration time = 300 S



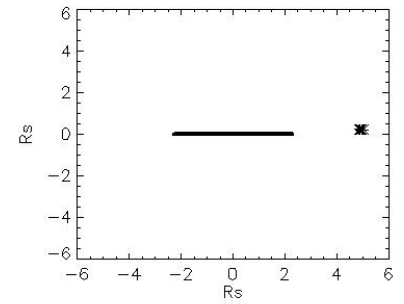
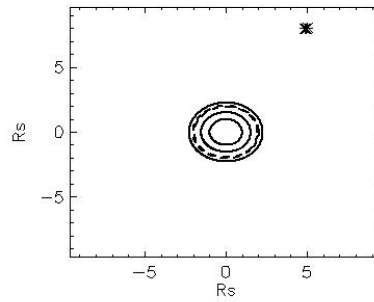
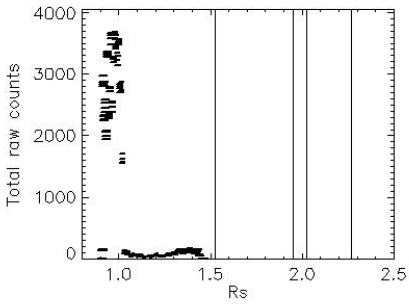
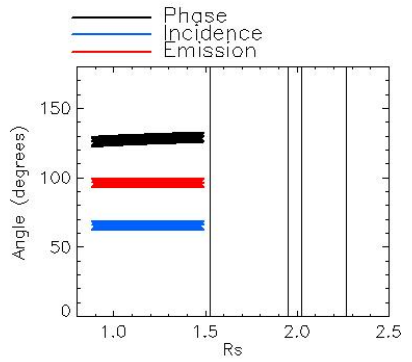
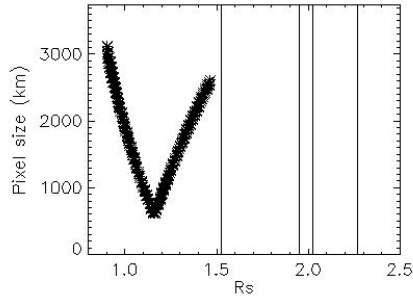
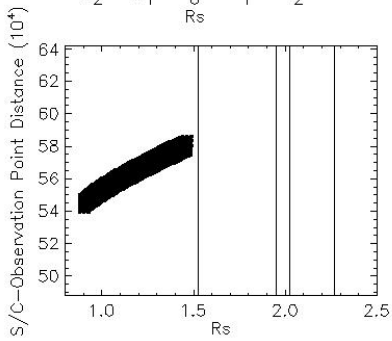


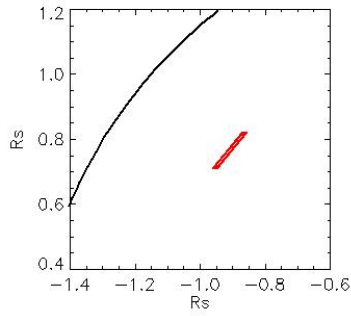
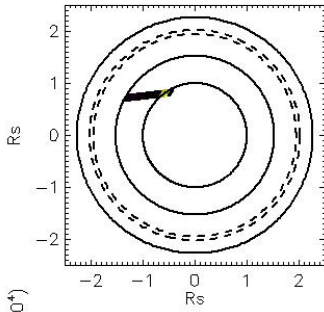
Observation Name:
UMS_213RLDRCLOSE001_ISS

Observation Date:
2015_074_05_33_28

Observation Duration:
1200 S

Integration time = 300 S



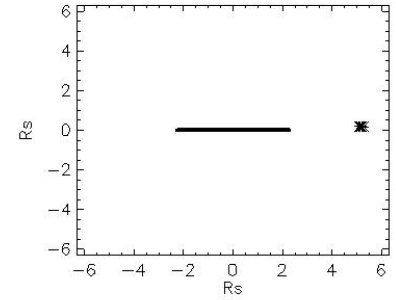
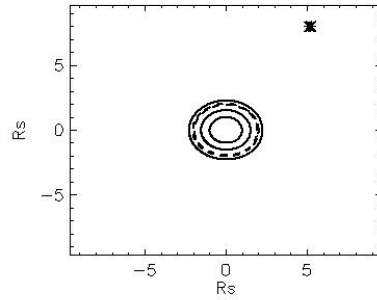
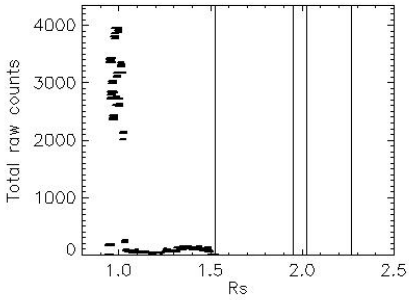
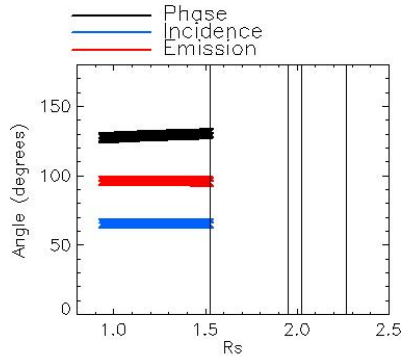
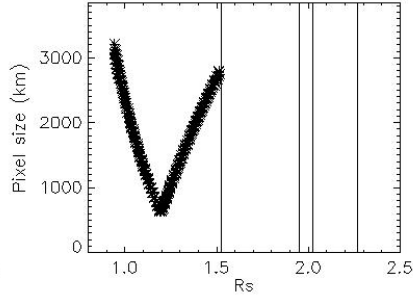
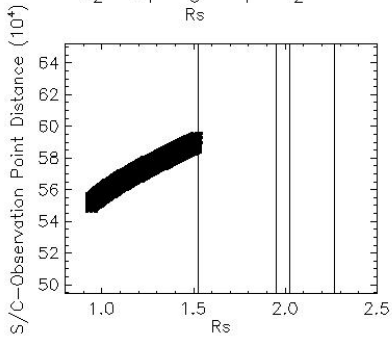


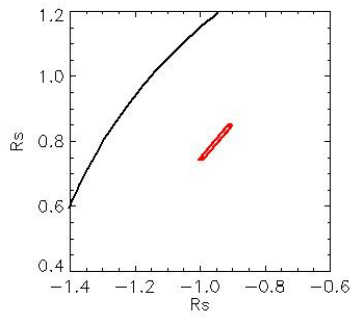
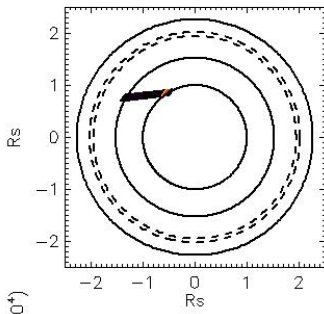
Observation Name:
UMS_213RLDRCLOSE001_ISS

Observation Date:
2015_074_05_55_53

Observation Duration:
1200 S

Integration time = 300 S



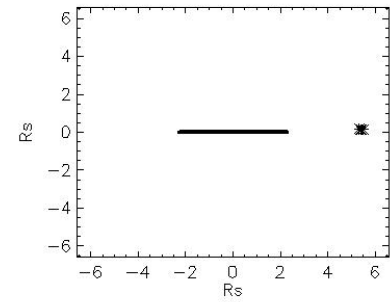
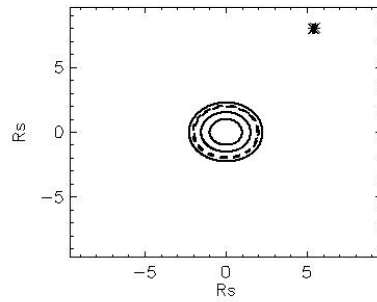
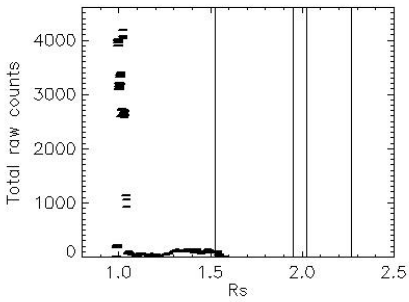
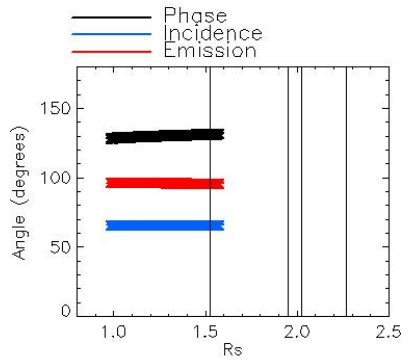
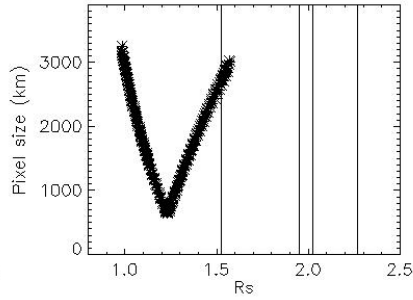
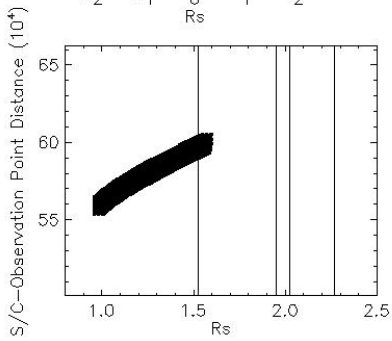


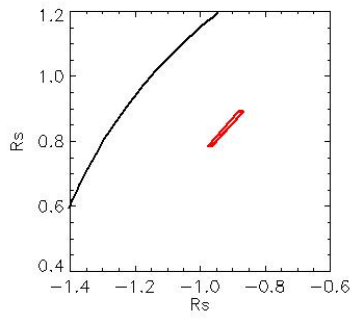
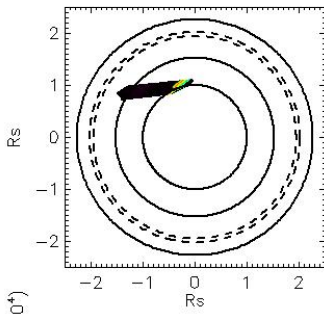
Observation Name:
UMS_213RLDRCLOSE001_ISS

Observation Date:
2015_074_06_18_18

Observation Duration:
1200 S

Integration time = 300 S



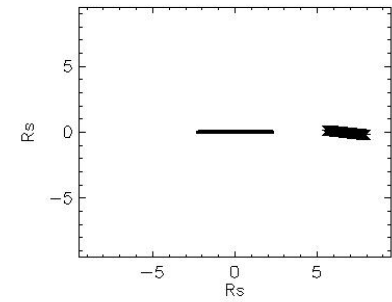
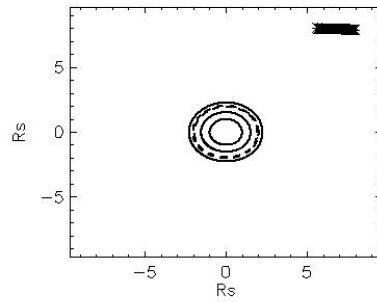
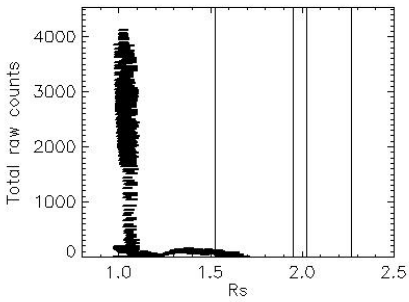
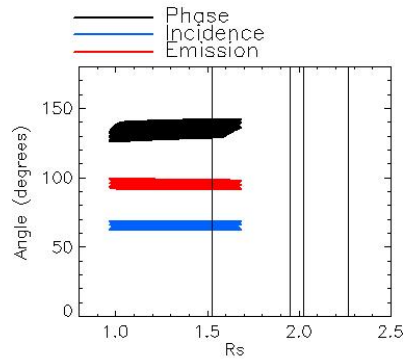
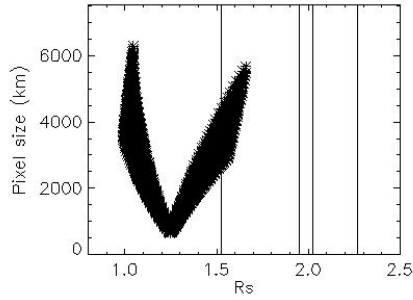
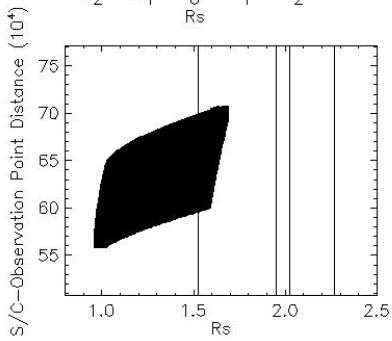


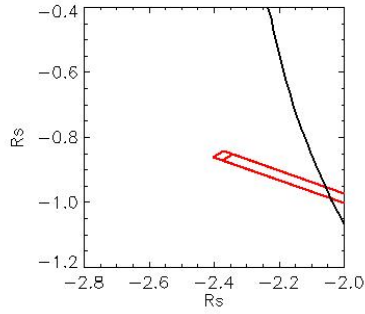
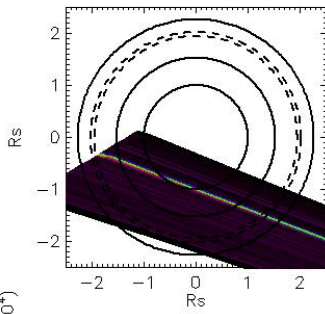
Observation Name:
UMS_213RLDRCLOSE001_ISS

Observation Date:
2015_074_06_46_02

Observation Duration:
14100 S

Integration time = 300 S





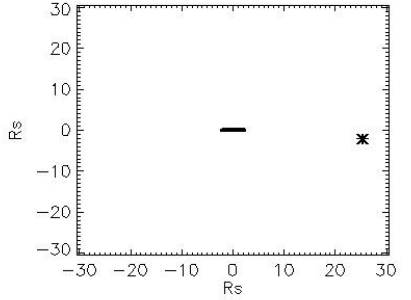
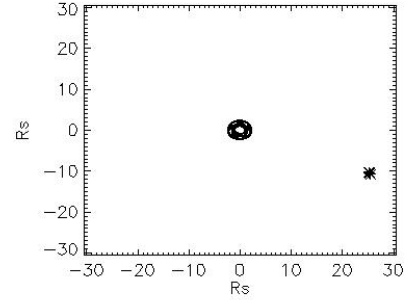
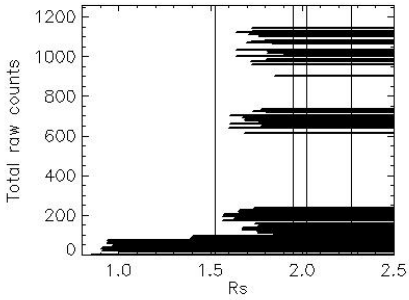
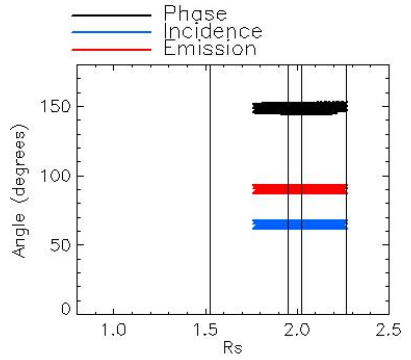
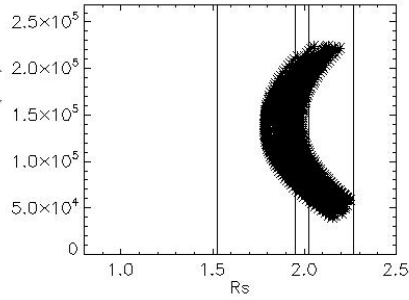
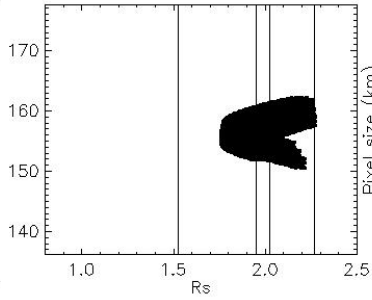
Observation Name:
UMS_218RLHPLELR001_JSS

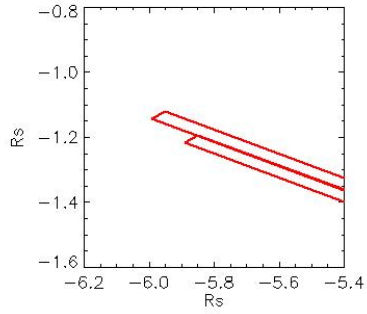
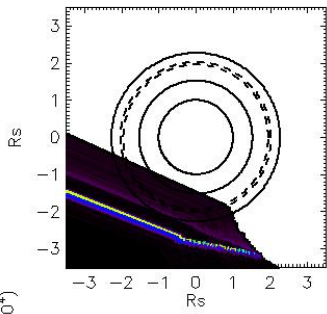
Observation Date:
2015_189_11_59_03

Observation Duration:
6900 S

Integration time = 300 S

S/C—Observation Point Distance (10^4)



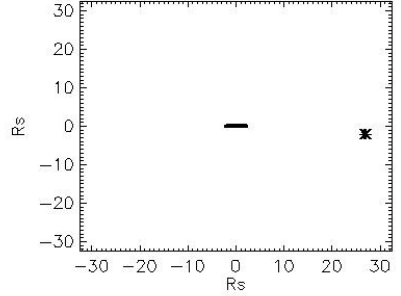
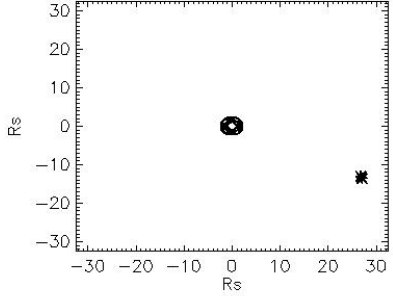
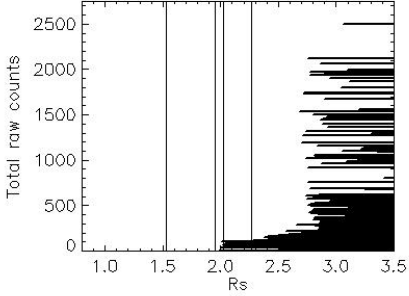
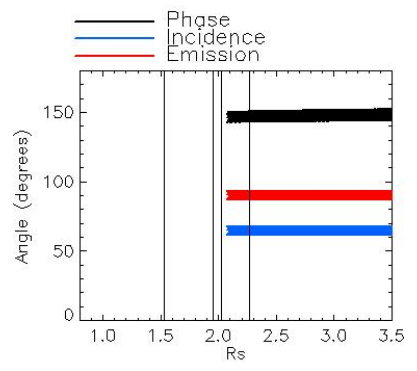
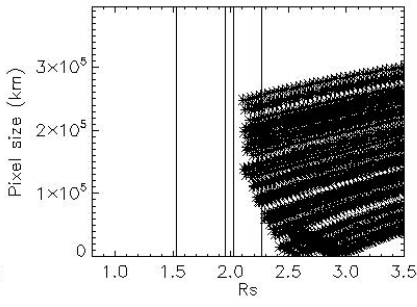
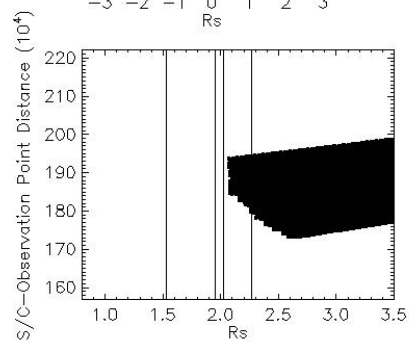


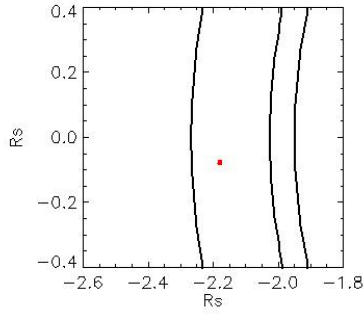
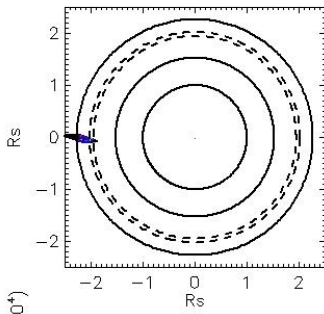
Observation Name:
UMS_218RLHPELR002_JSS

Observation Date:
2015_189_23_41_03

Observation Duration:
12000 S

Integration time = 300 S



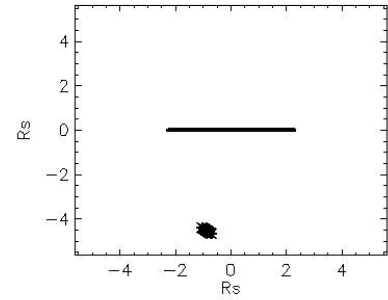
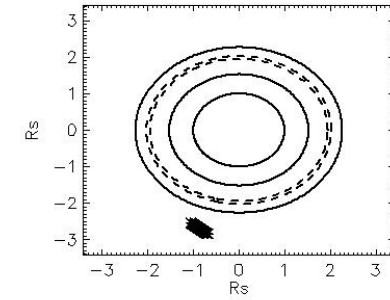
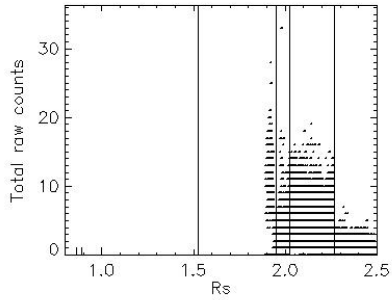
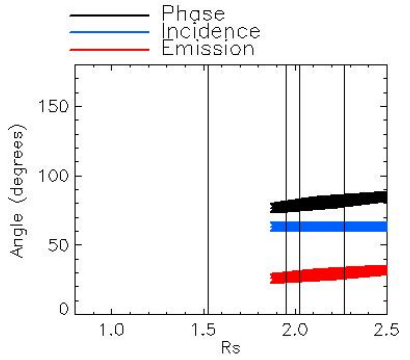
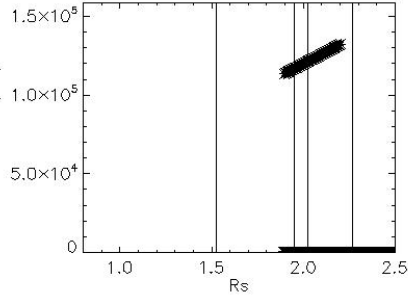
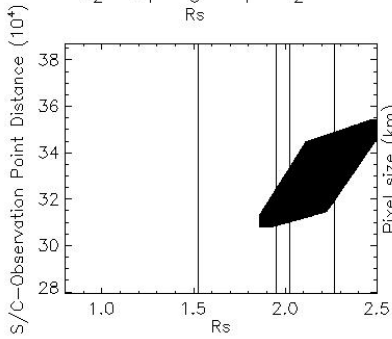


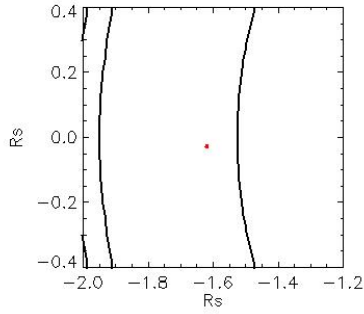
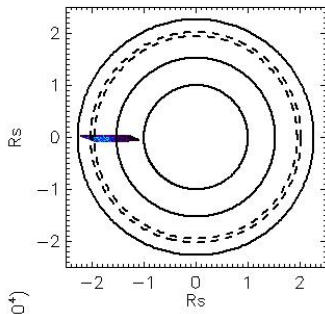
Observation Name:
UMS_253RLRSCANLIT001_CIRS_0

Observation Date:
2016_353_15_07_01

Observation Duration:
2400 S

Integration time = 10 S



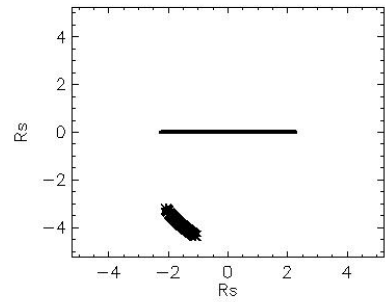
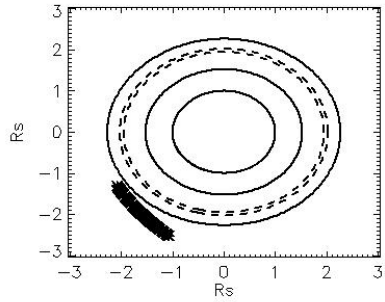
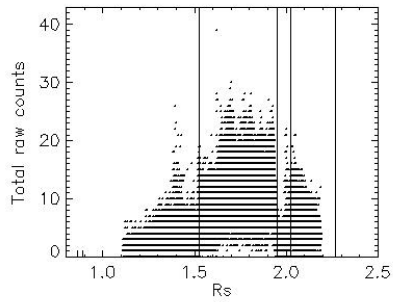
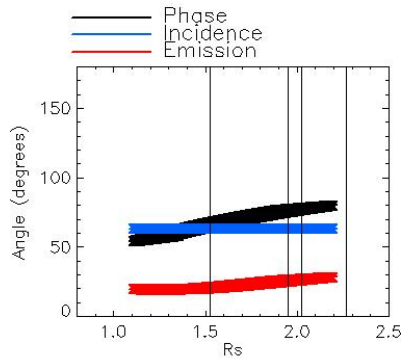
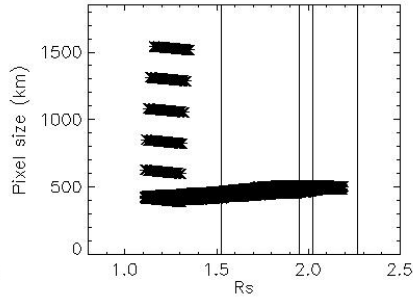
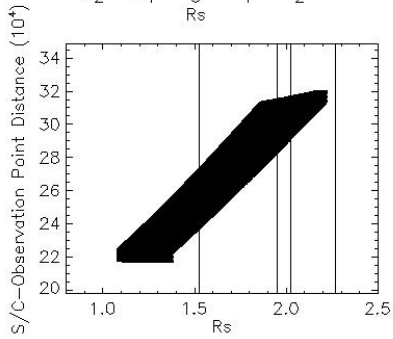


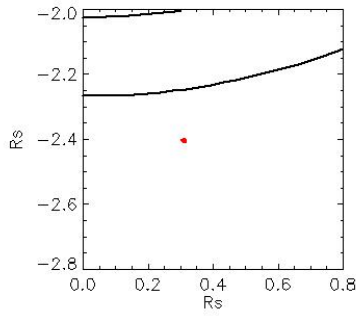
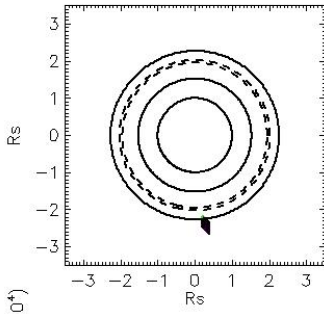
Observation Name:
UMS_253RLRSCANLIT001_CIRS_0

Observation Date:
2016_353_15_47_11

Observation Duration:
7250 S

Integration time = 10 S



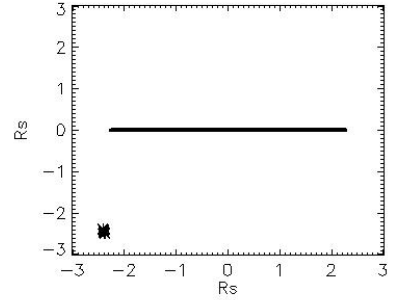
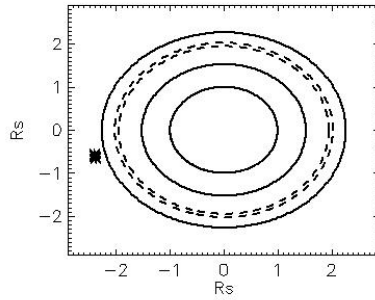
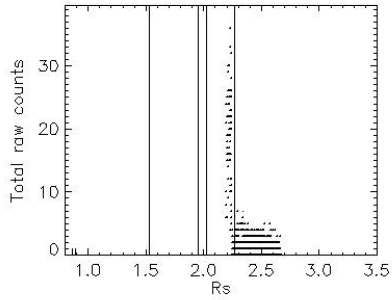
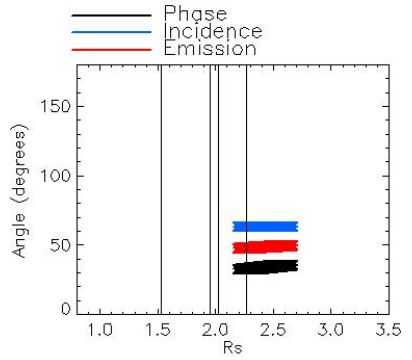
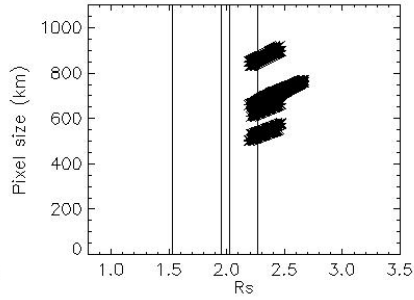
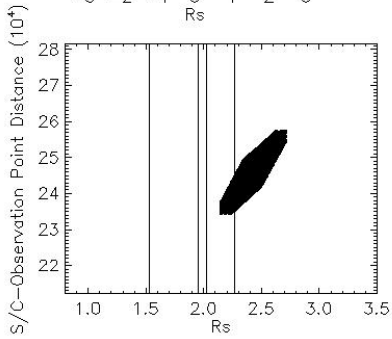


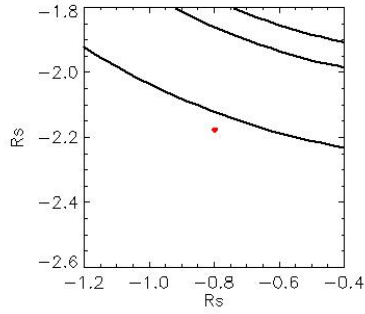
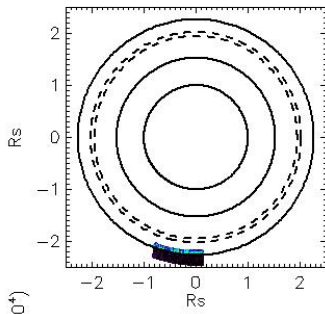
Observation Name:
UMS_253RLHIRESAFRG001_JSS_0

Observation Date:
2016_353_18_43_11

Observation Duration:
600 S

Integration time = 10 S



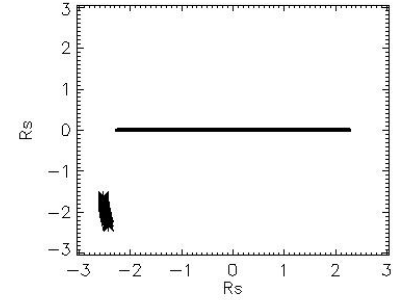
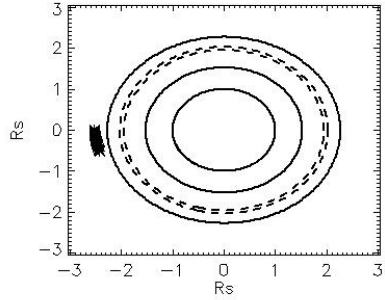
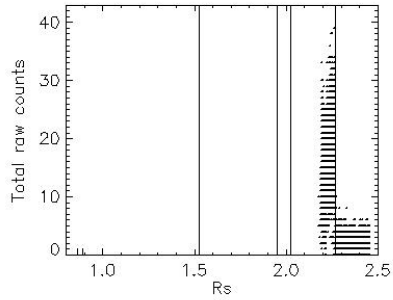
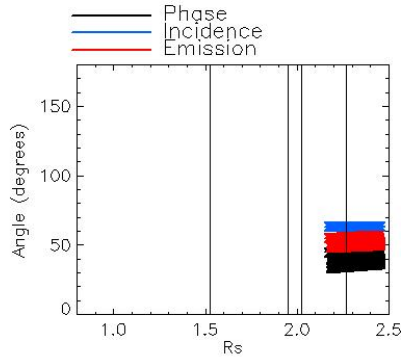
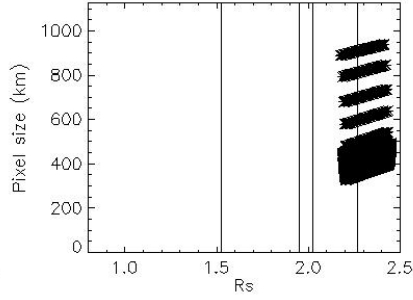
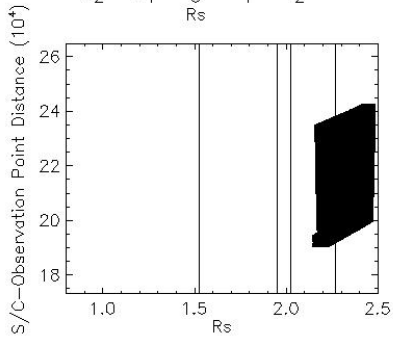


Observation Name:
UMS_253RLHIRESAFRG001_JSS_0

Observation Date:
2016_353_18_56_41

Observation Duration:
2960 S

Integration time = 10 S

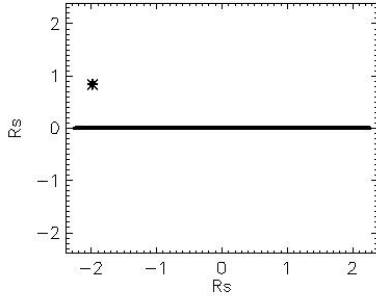
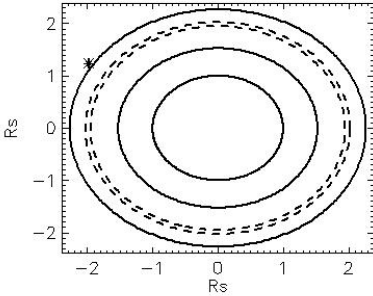
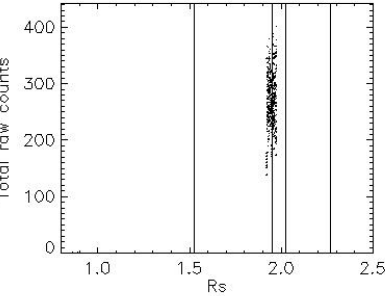
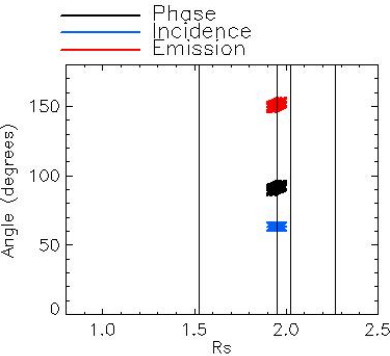
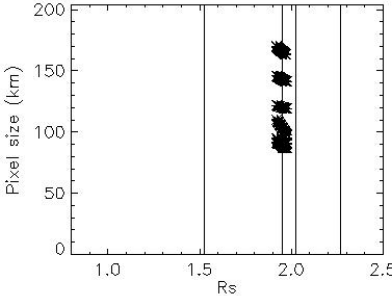
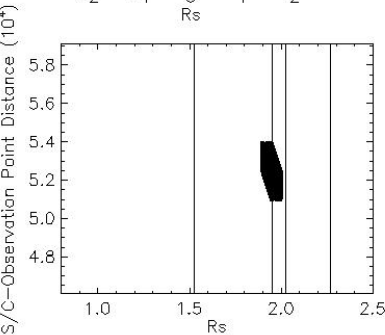
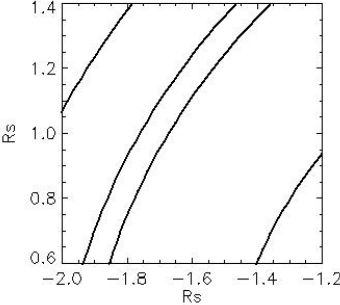
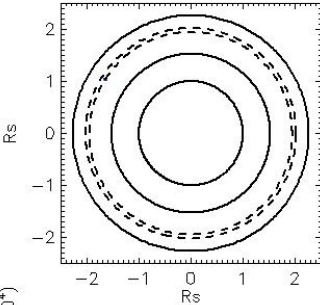


Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_08_32

Observation Duration:
80 S

Integration time = 10 S

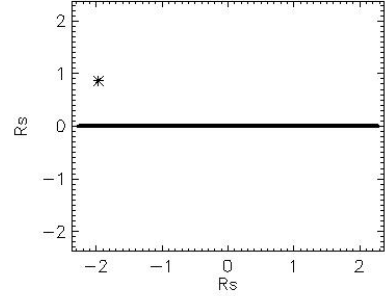
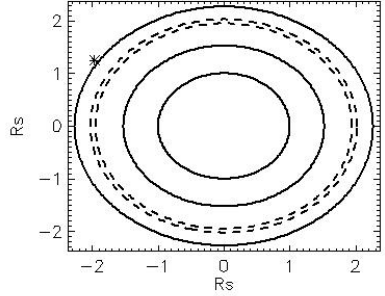
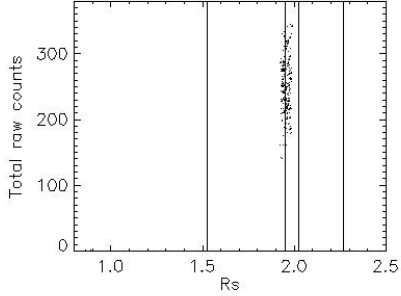
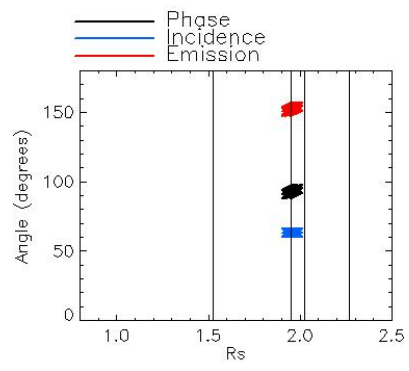
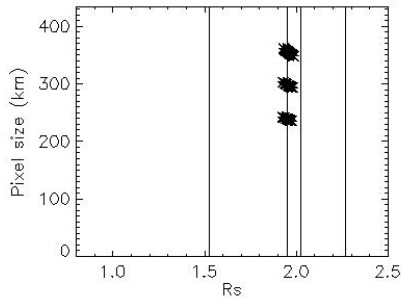
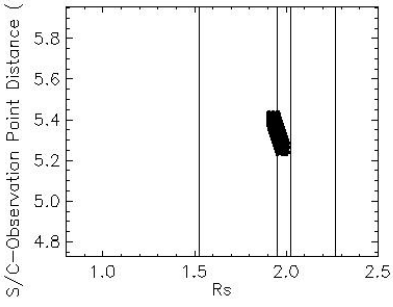
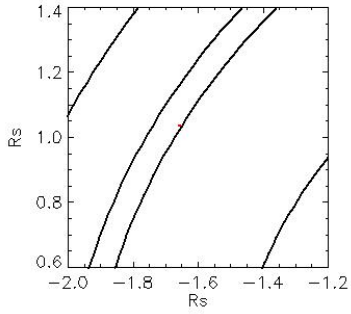
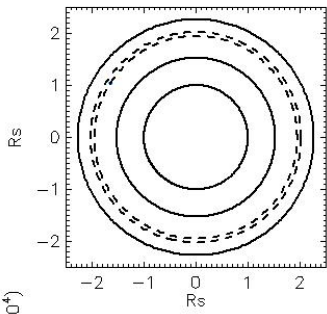


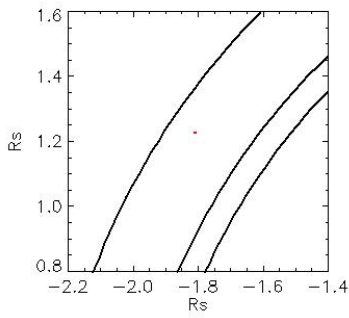
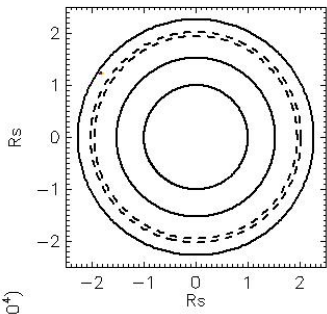
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_10_13

Observation Duration:
30 S

Integration time = 10 S



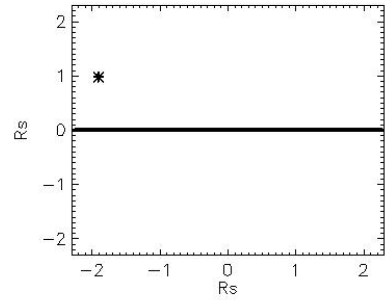
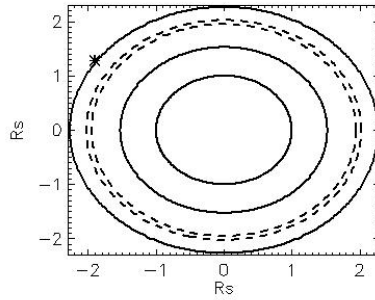
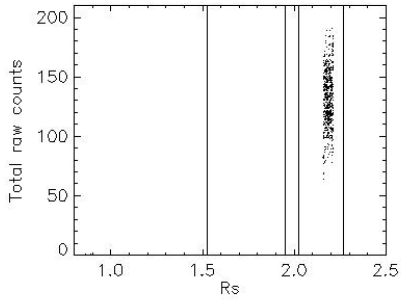
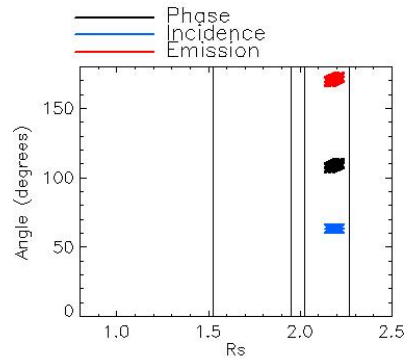
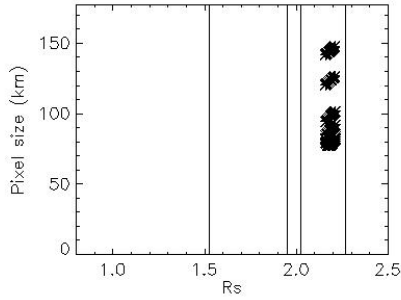
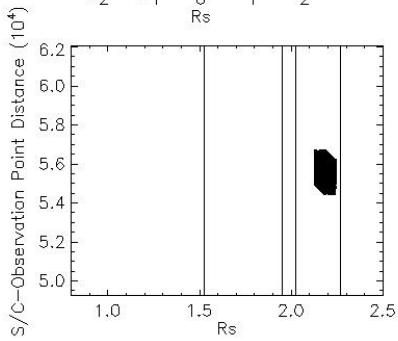


Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_16_42

Observation Duration:
80 S

Integration time = 10 S

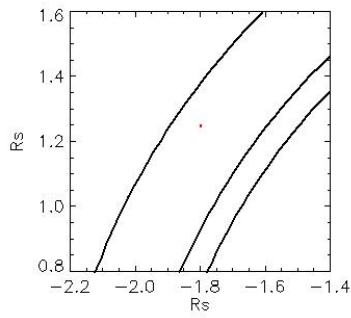
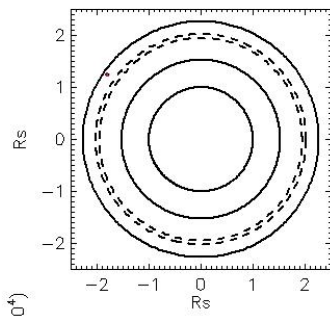


Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

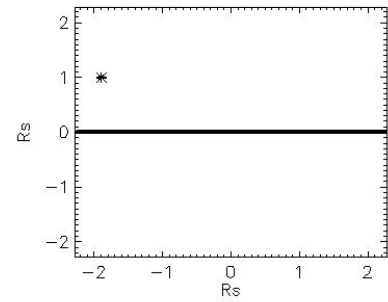
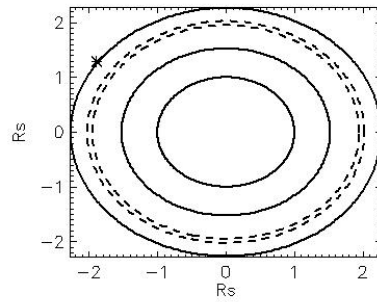
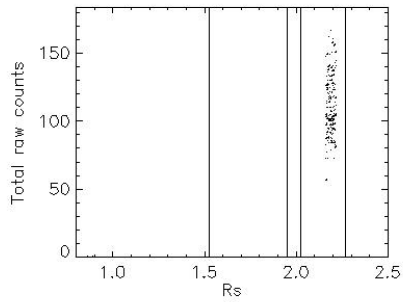
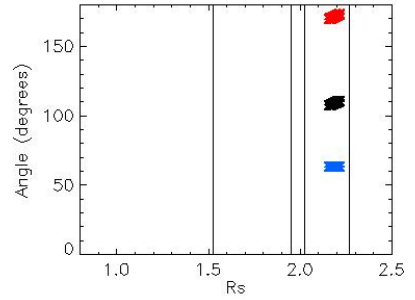
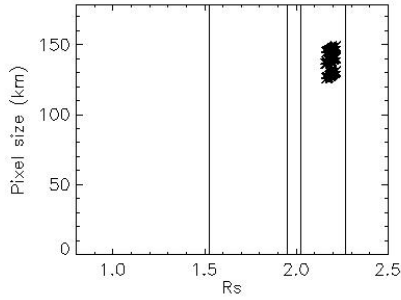
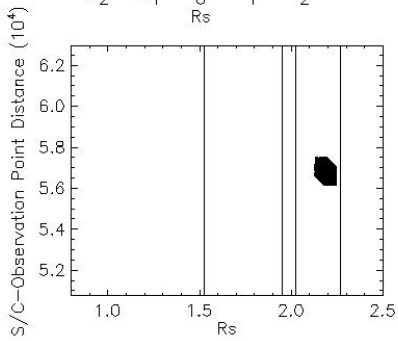
Observation Date:
2016_353_22_18_21

Observation Duration:
30 S

Integration time = 10 S



— Phase
— Incidence
— Emission

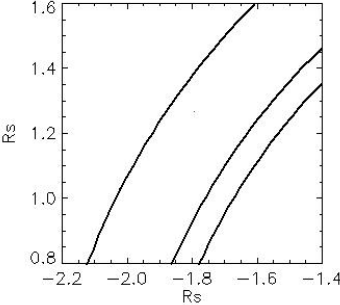
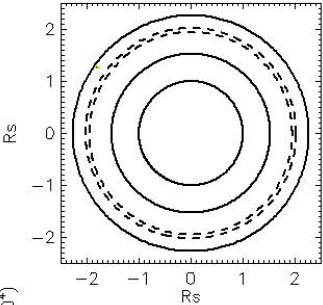


Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

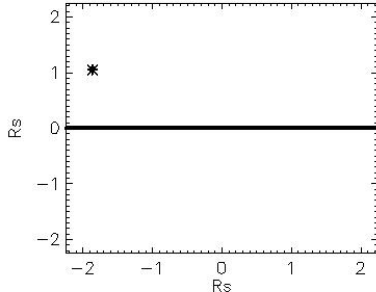
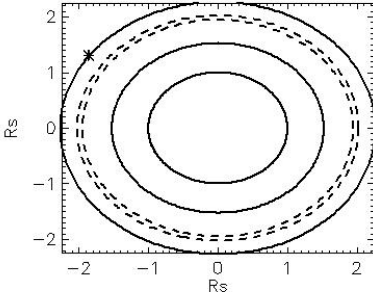
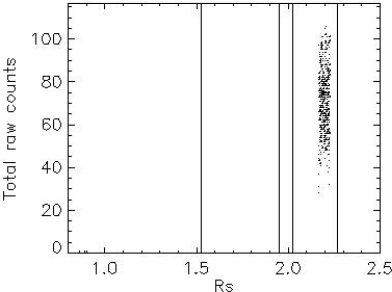
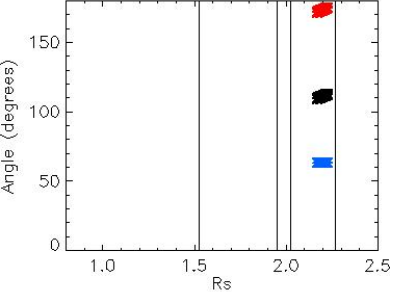
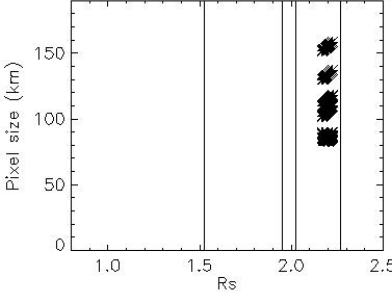
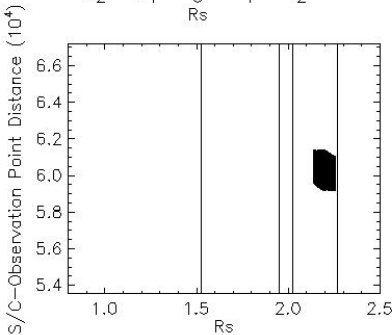
Observation Date:
2016_353_22_21_22

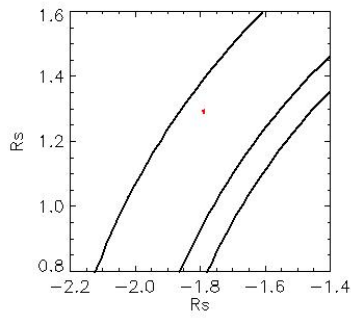
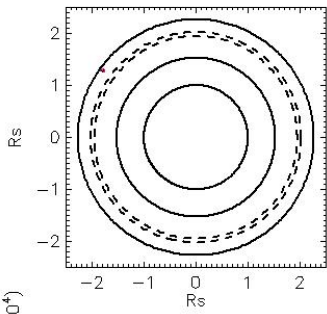
Observation Duration:
80 S

Integration time = 10 S



— Phase
— Incidence
— Emission



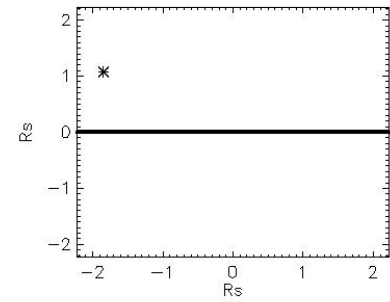
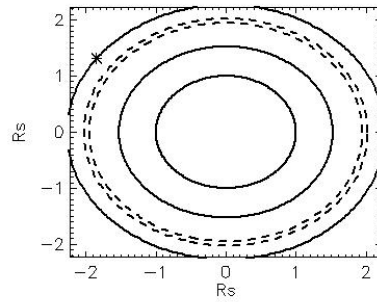
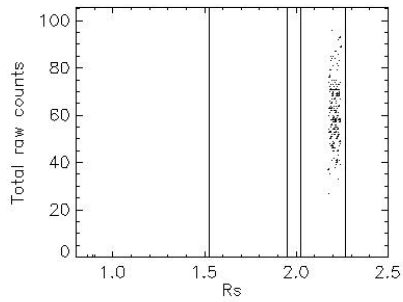
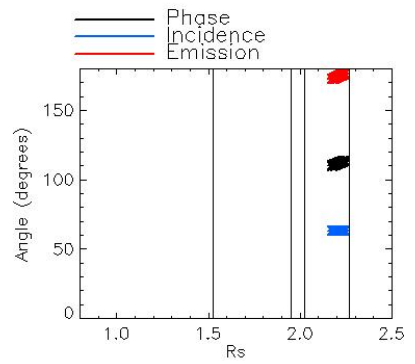
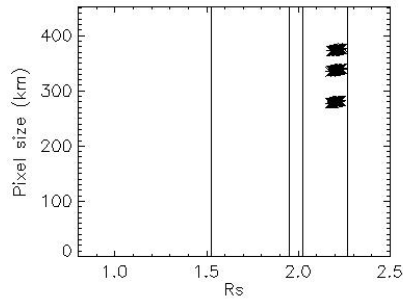
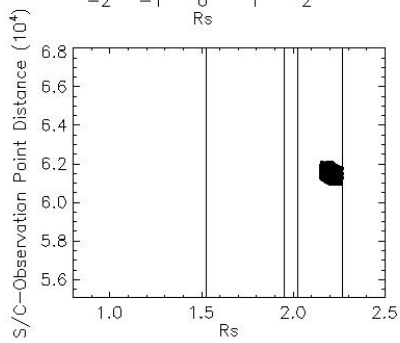


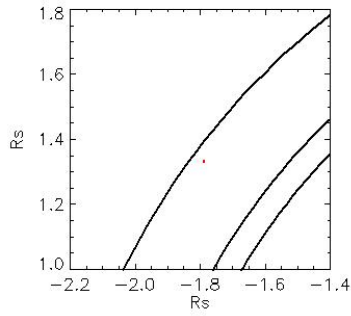
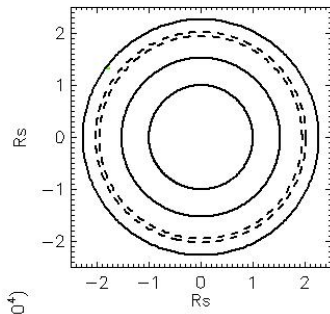
Observation Name:
UWS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_23_01

Observation Duration:
30 S

Integration time = 10 S



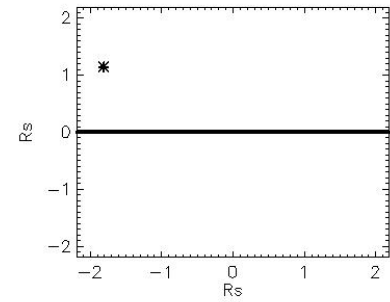
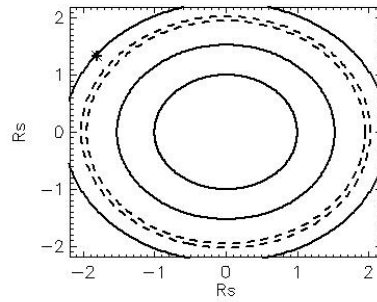
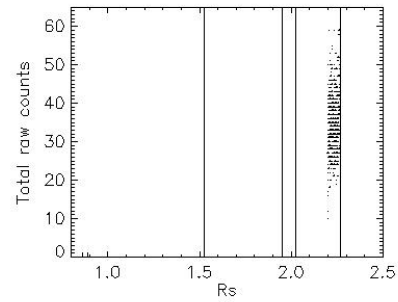
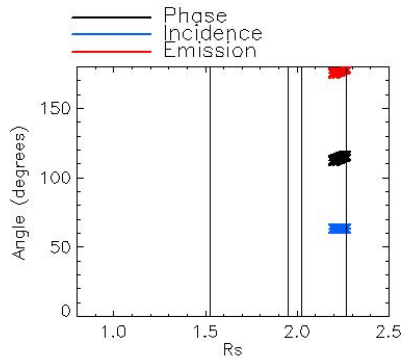
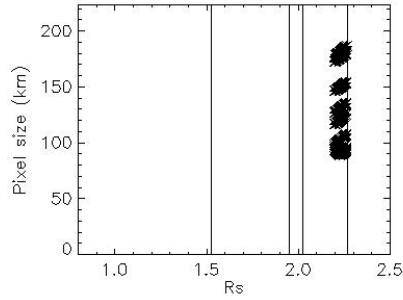
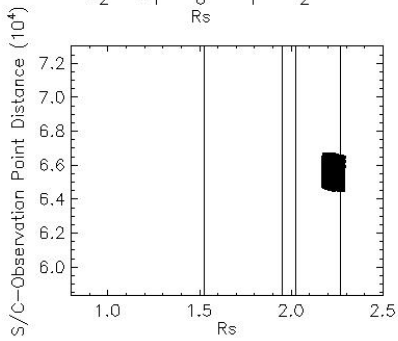


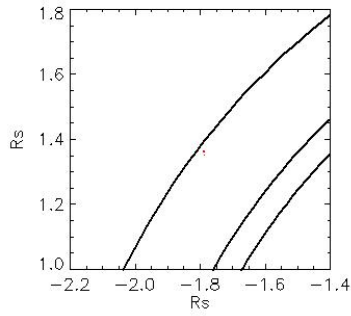
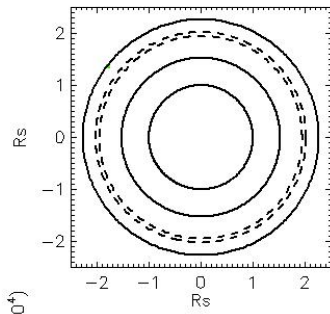
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_26_32

Observation Duration:
90 S

Integration time = 10 S



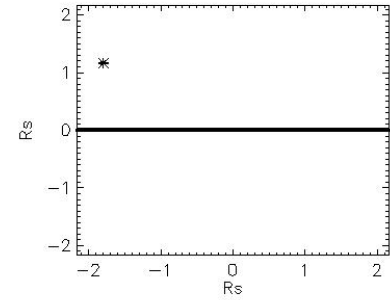
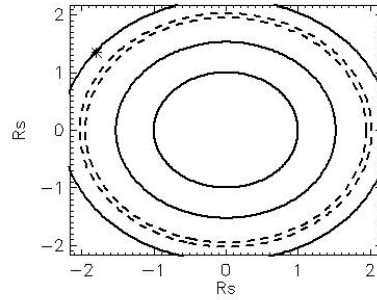
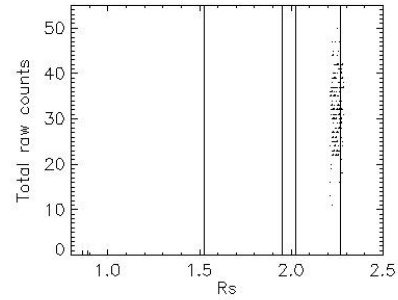
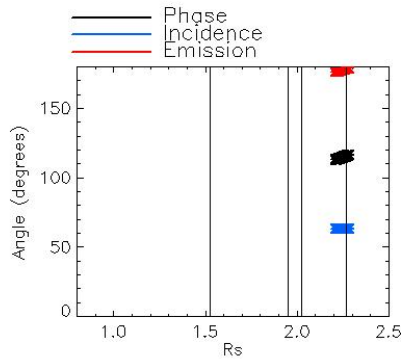
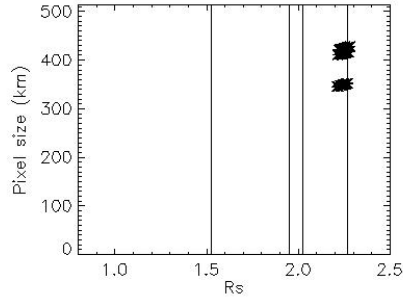
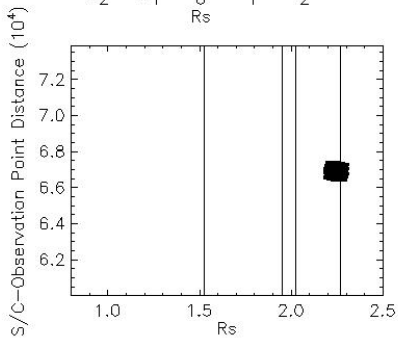


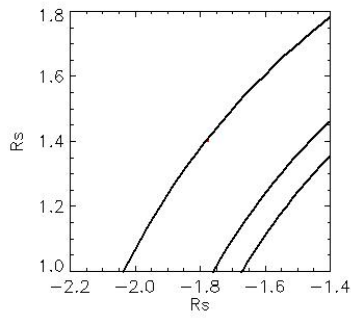
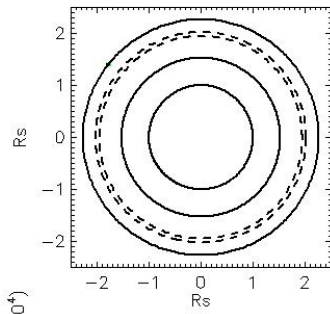
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_28_19

Observation Duration:
30 S

Integration time = 10 S



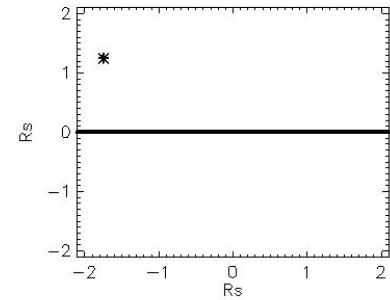
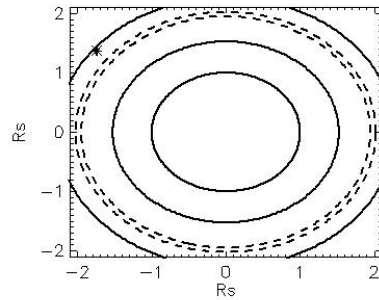
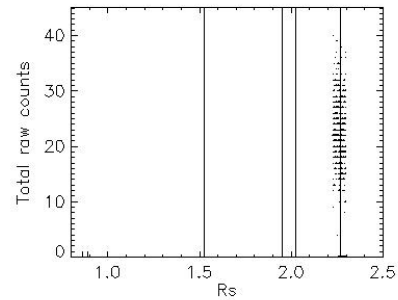
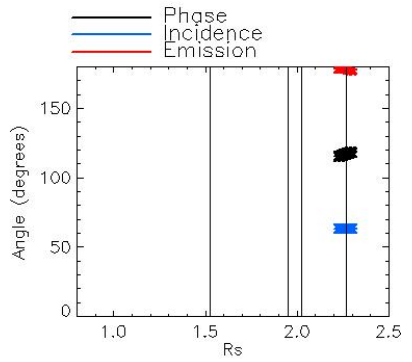
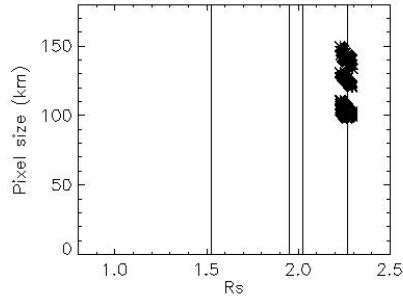
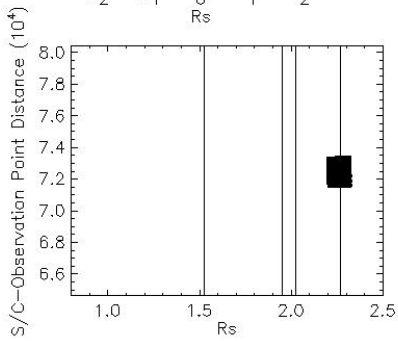


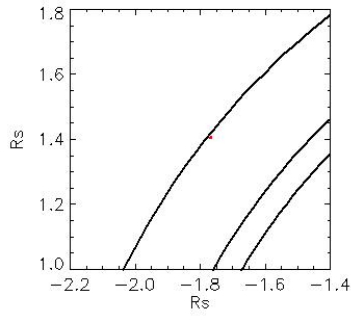
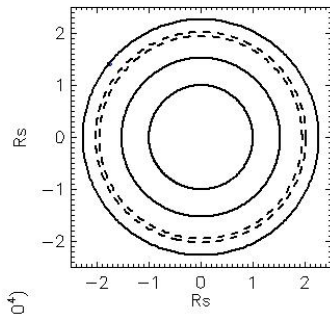
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_33_12

Observation Duration:
80 S

Integration time = 10 S



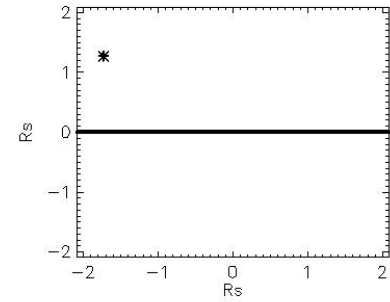
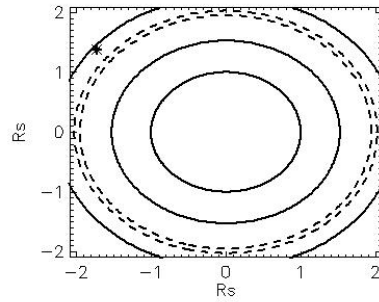
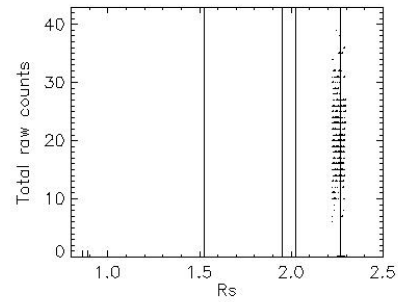
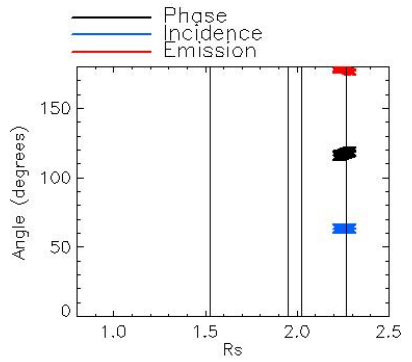
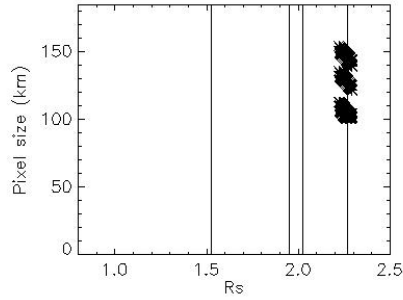
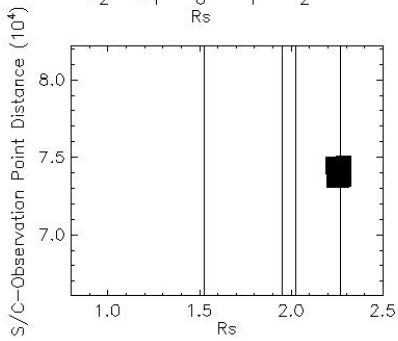


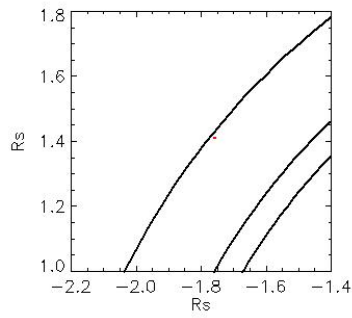
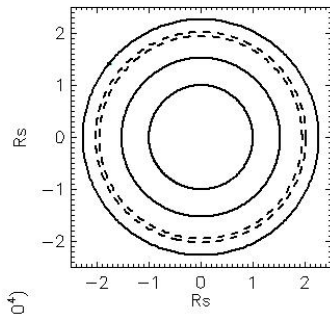
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_34_44

Observation Duration:
80 S

Integration time = 10 S



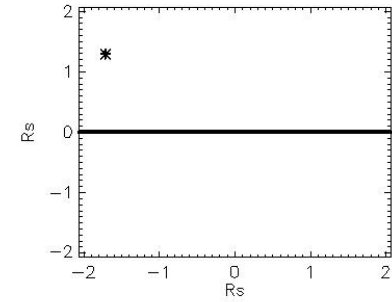
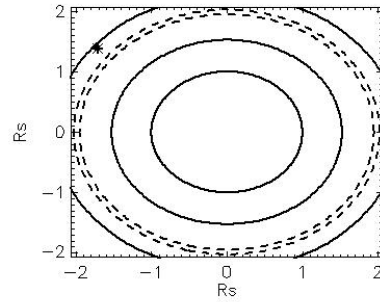
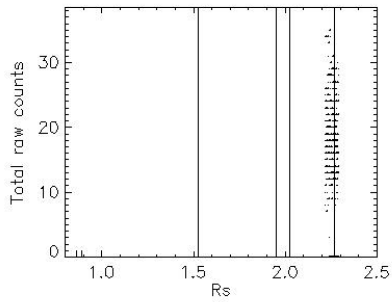
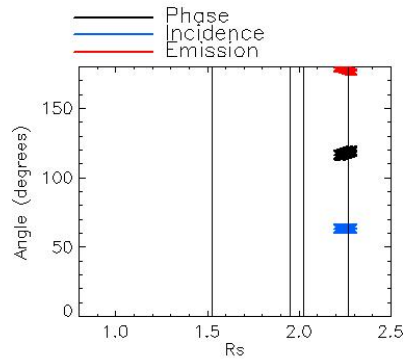
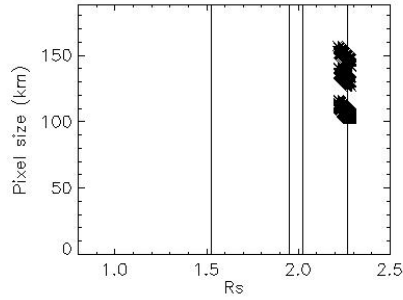
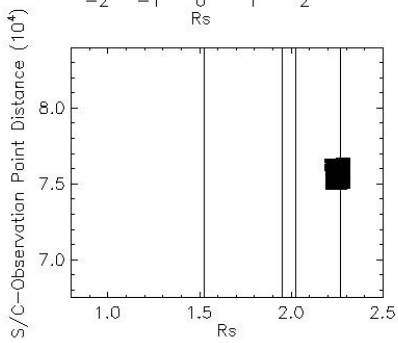


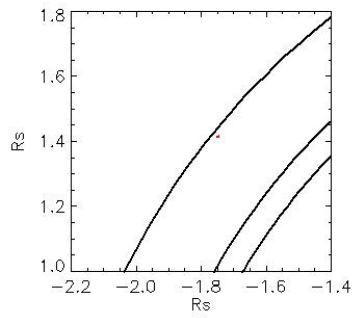
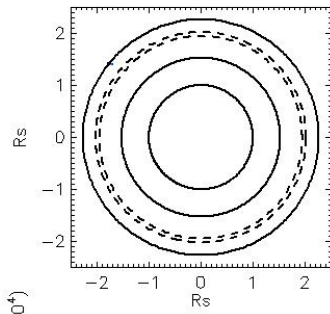
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_36_16

Observation Duration:
80 S

Integration time = 10 S



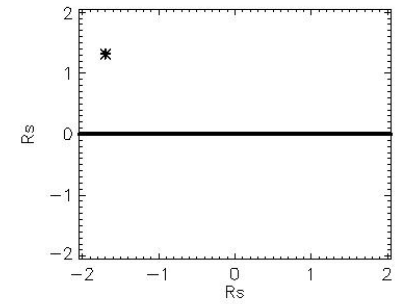
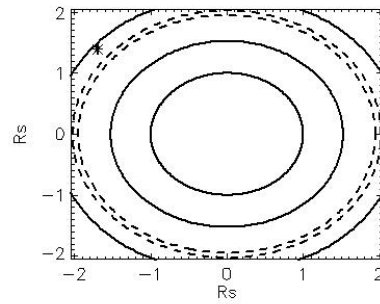
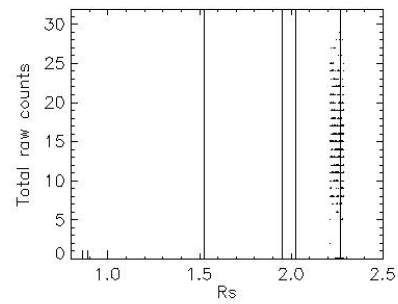
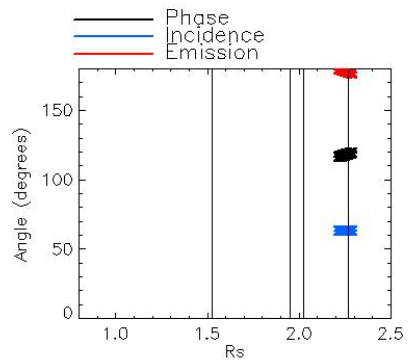
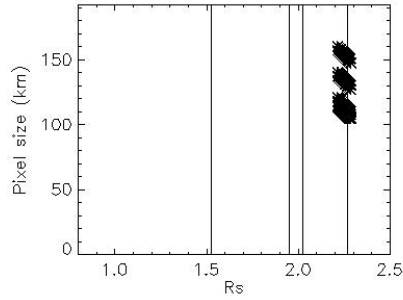
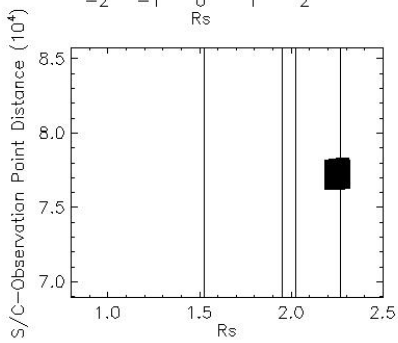


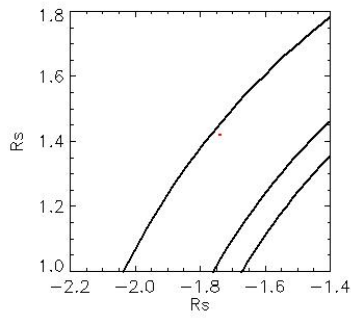
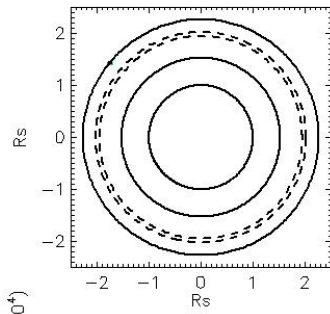
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_37_48

Observation Duration:
80 S

Integration time = 10 S



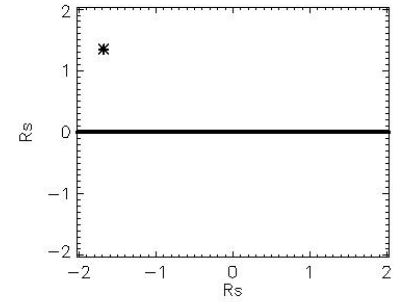
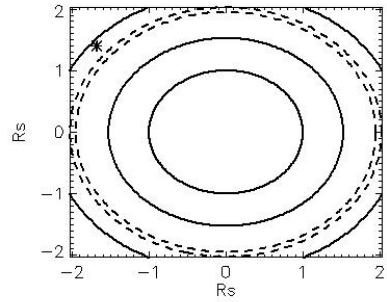
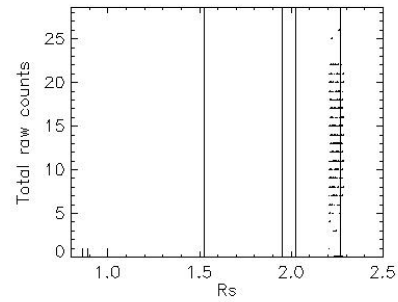
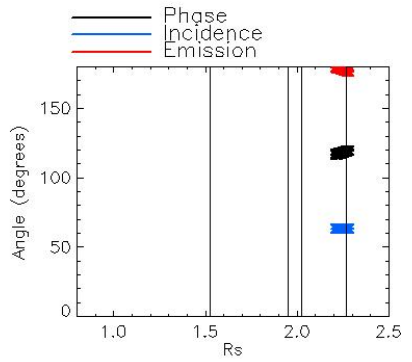
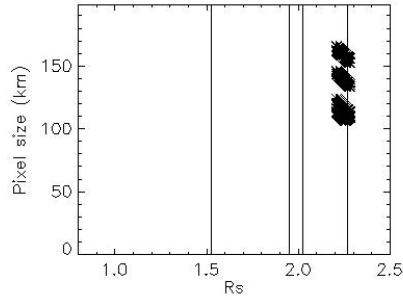
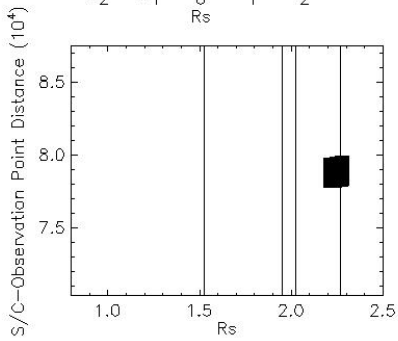


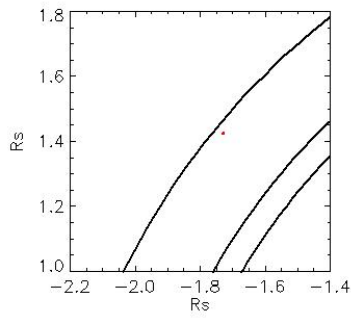
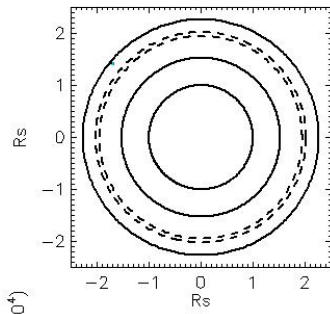
Observation Name:
UWS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_39_20

Observation Duration:
80 S

Integration time = 10 S



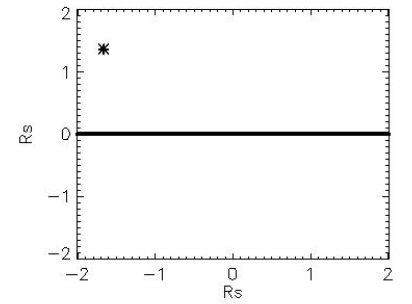
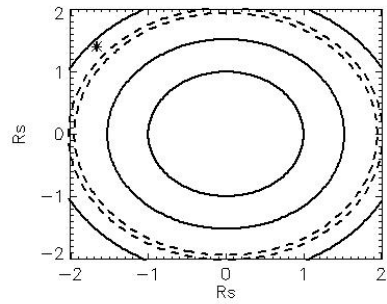
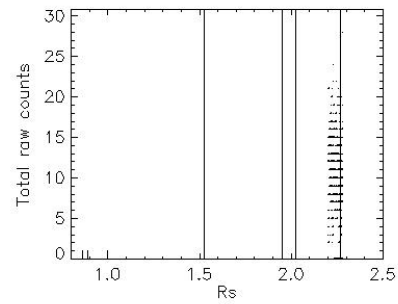
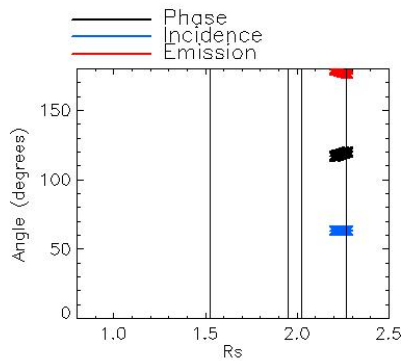
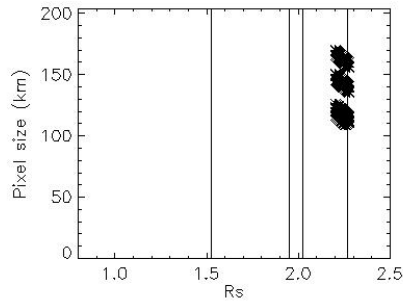
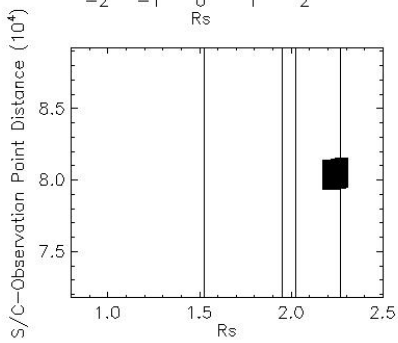


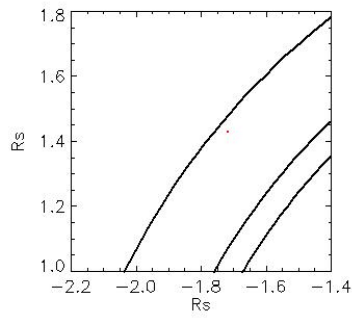
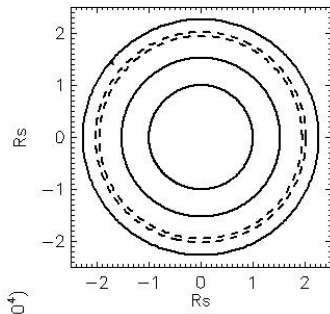
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_40_52

Observation Duration:
80 S

Integration time = 10 S



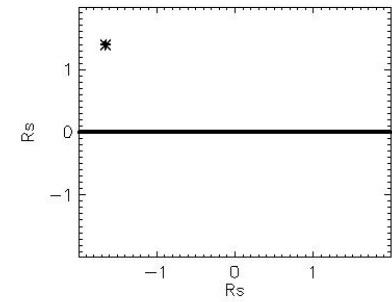
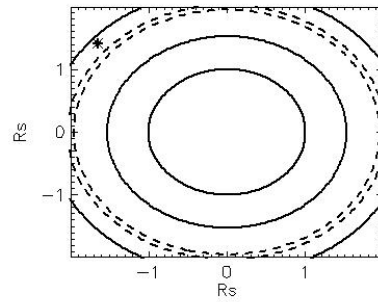
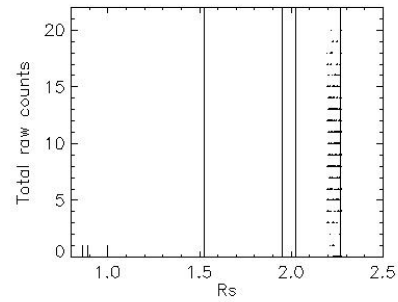
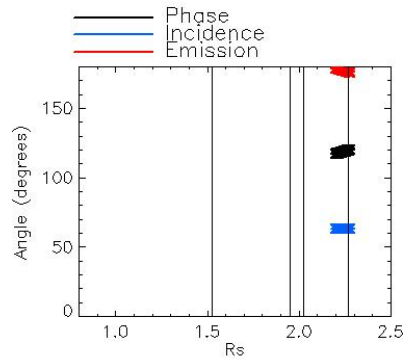
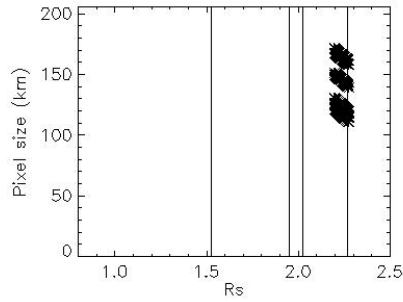
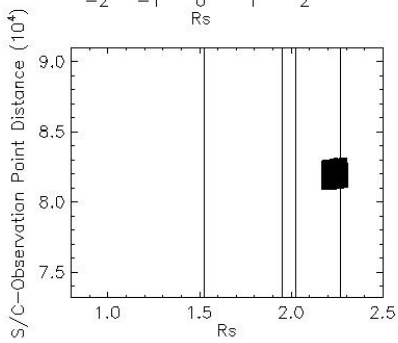


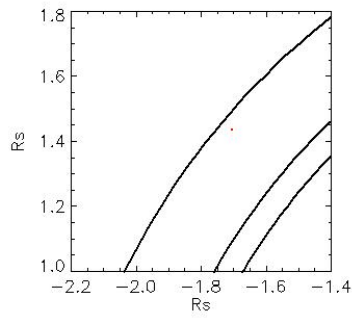
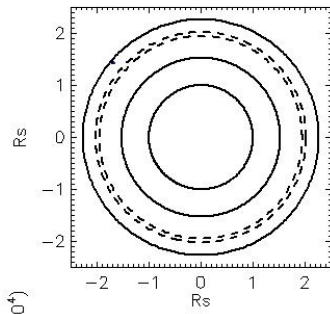
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_42_24

Observation Duration:
80 S

Integration time = 10 S



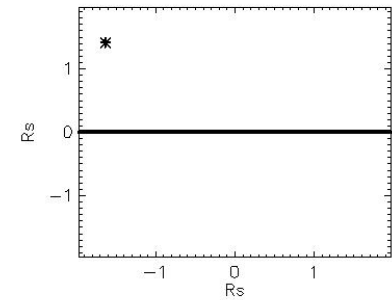
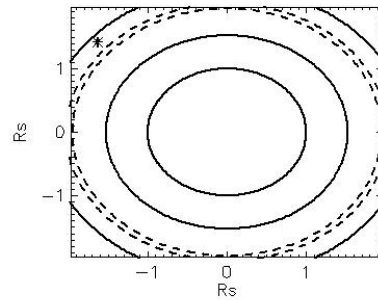
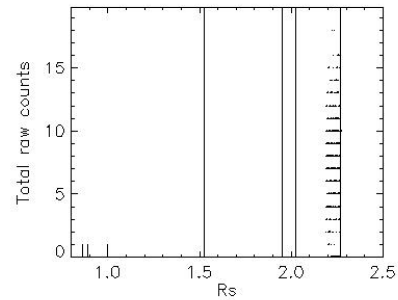
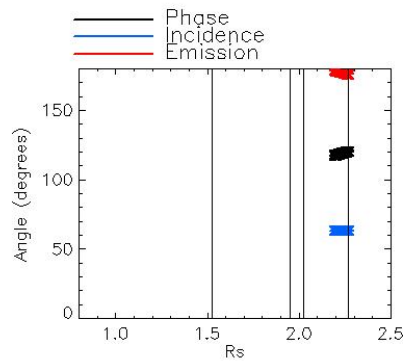
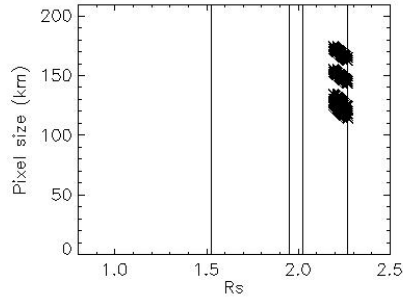
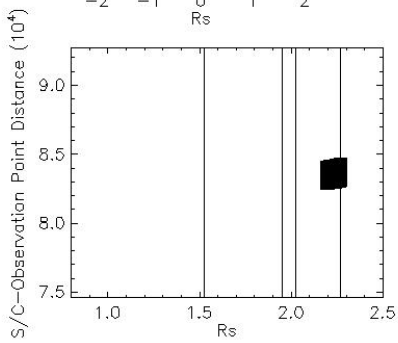


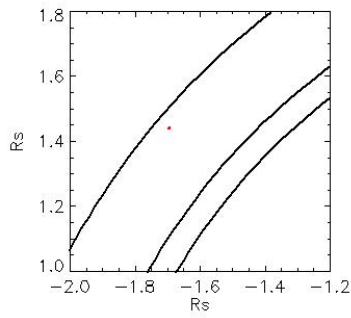
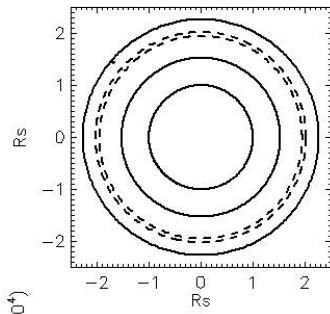
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_43_56

Observation Duration:
80 S

Integration time = 10 S



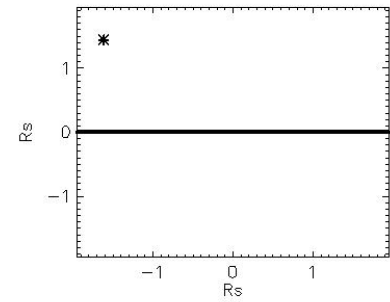
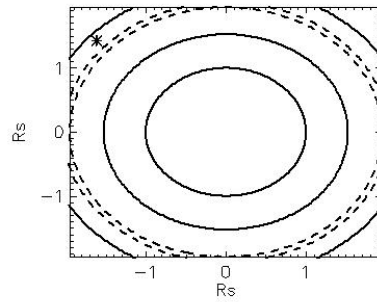
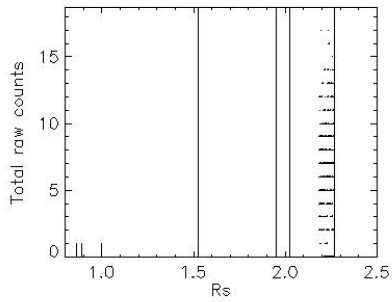
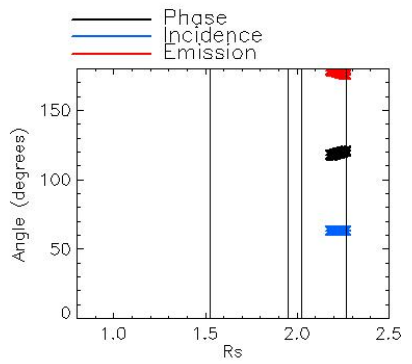
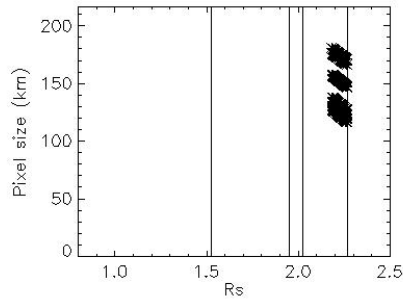
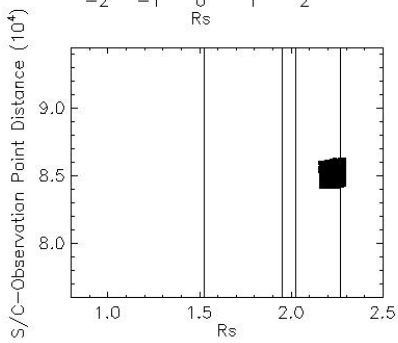


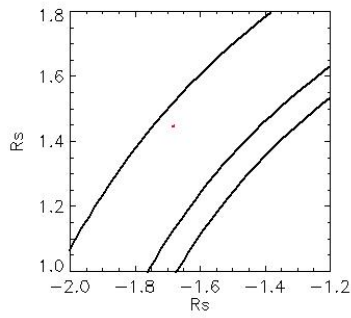
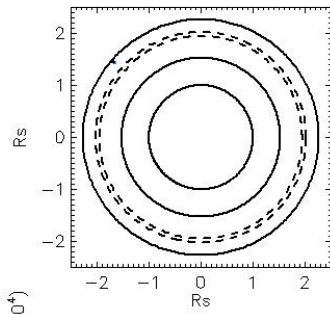
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_45_28

Observation Duration:
80 S

Integration time = 10 S



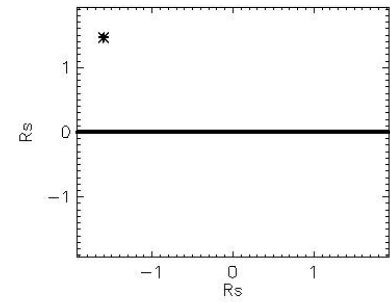
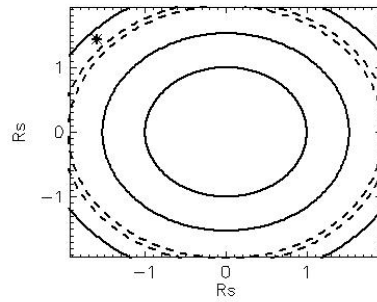
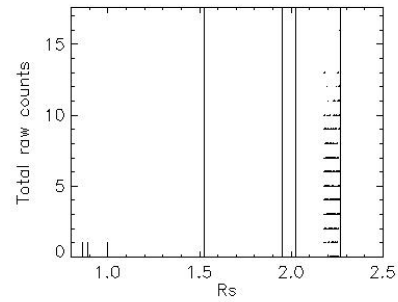
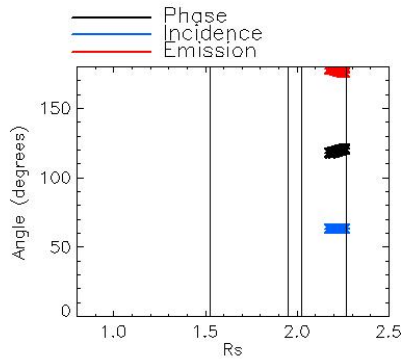
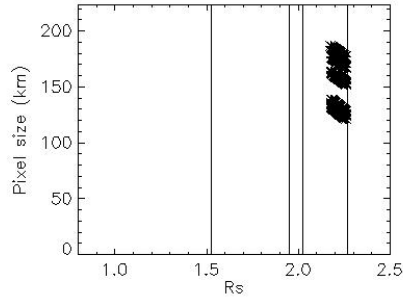
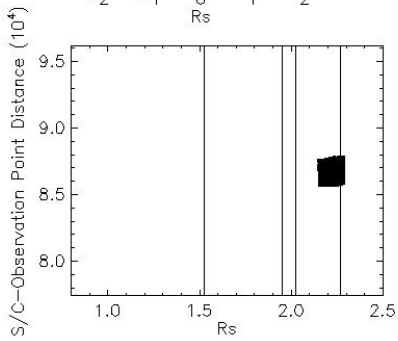


Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_47_00

Observation Duration:
80 S

Integration time = 10 S

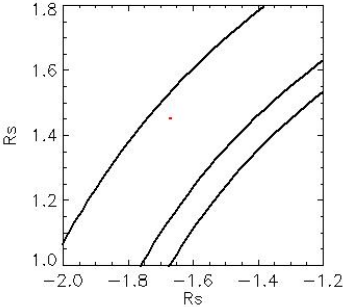
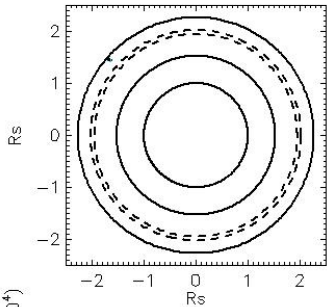


Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

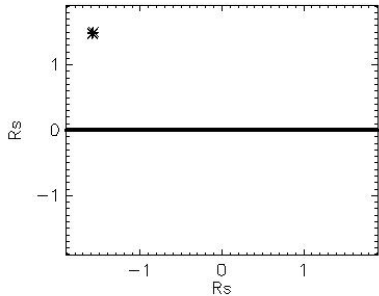
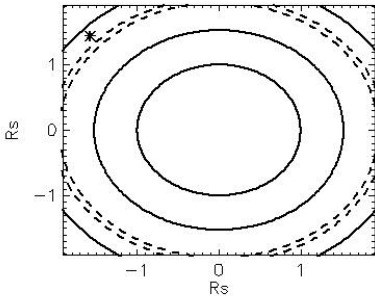
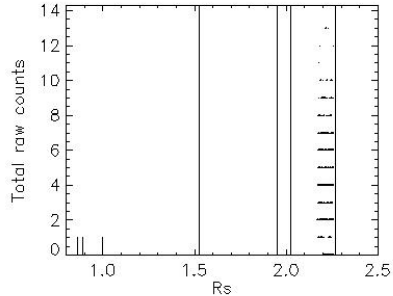
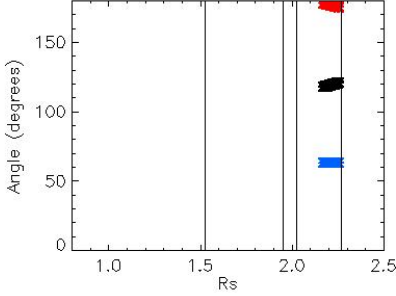
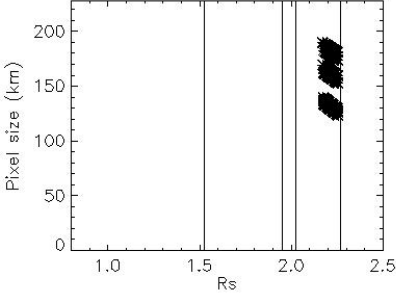
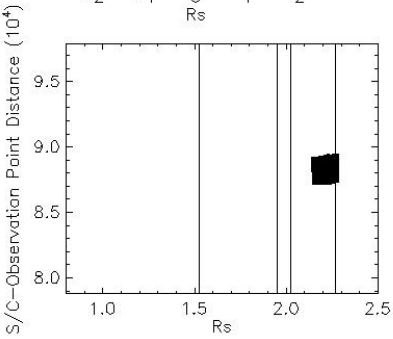
Observation Date:
2016_353_22_48_32

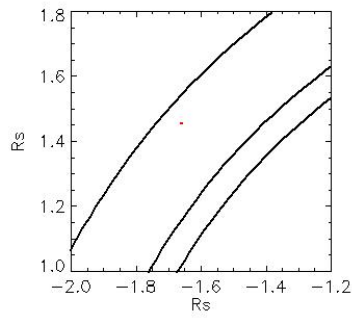
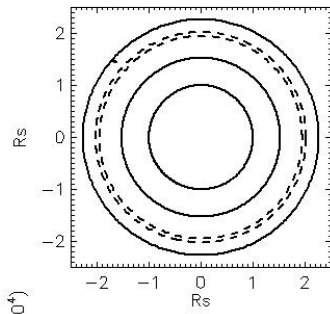
Observation Duration:
80 S

Integration time = 10 S



— Phase
— Incidence
— Emission



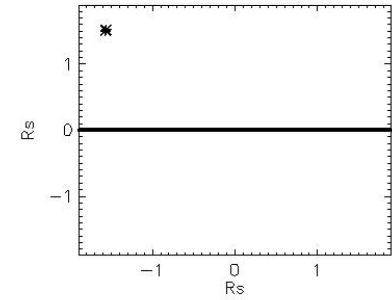
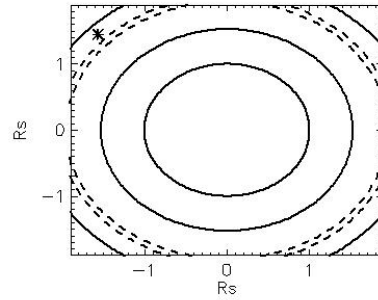
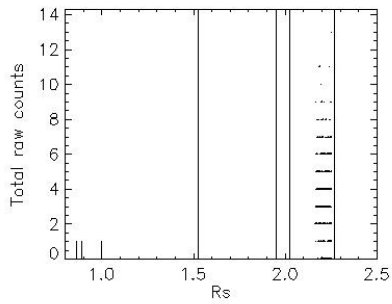
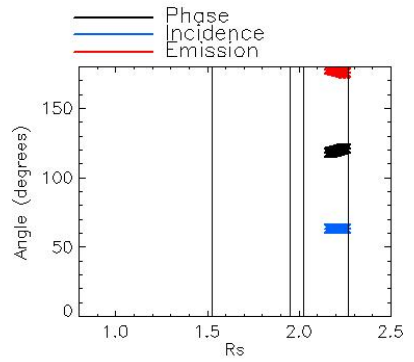
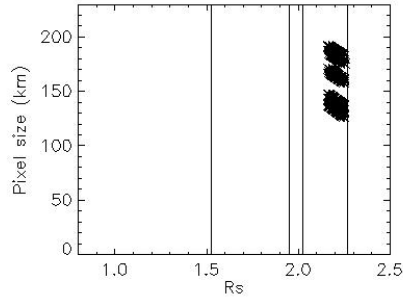
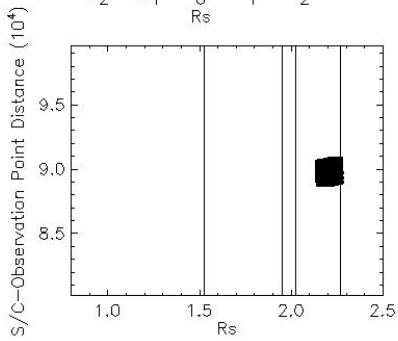


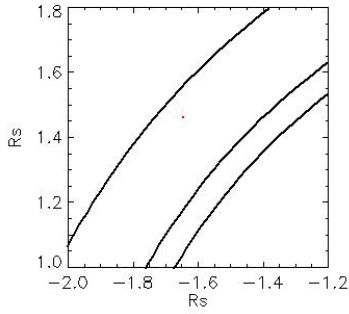
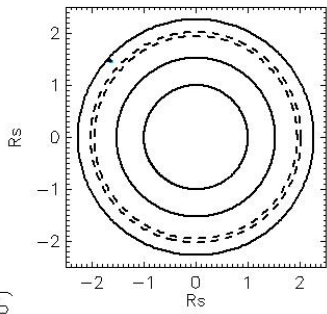
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_50_04

Observation Duration:
80 S

Integration time = 10 S





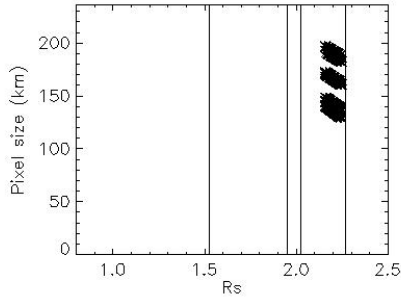
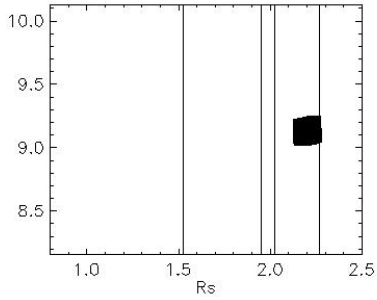
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_51_36

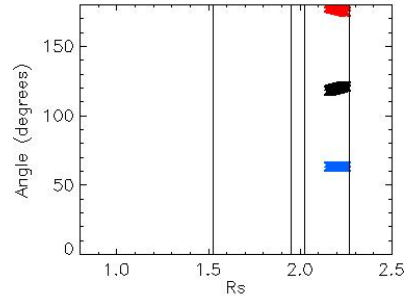
Observation Duration:
80 S

Integration time = 10 S

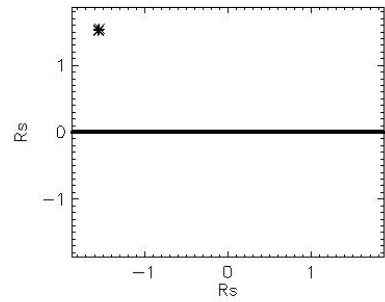
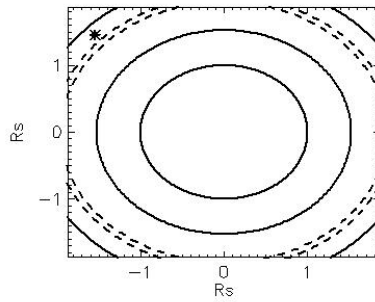
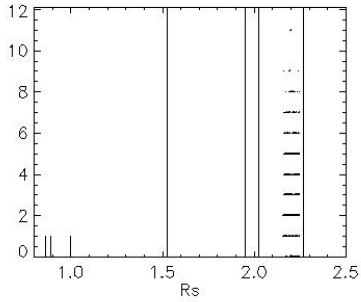
S/C—Observation Point Distance (10^4)

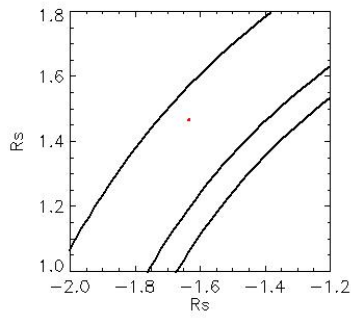
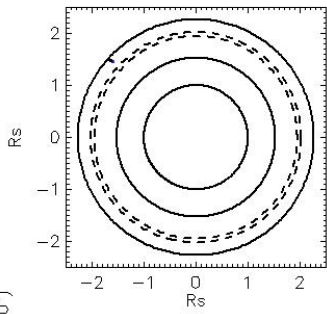


— Phase
— Incidence
— Emission



Total raw counts





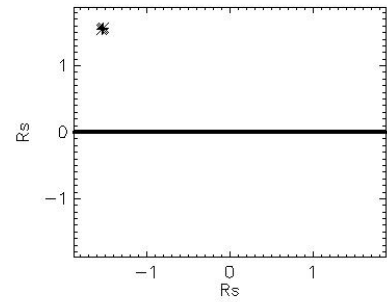
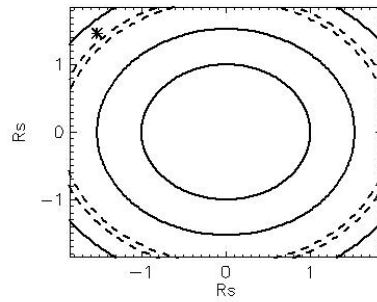
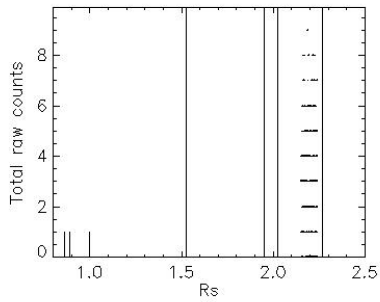
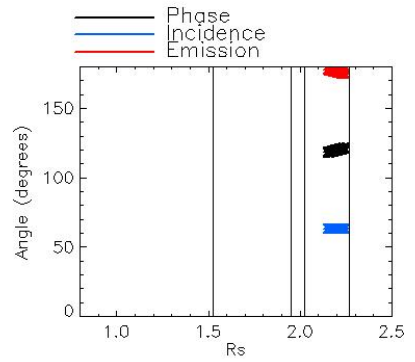
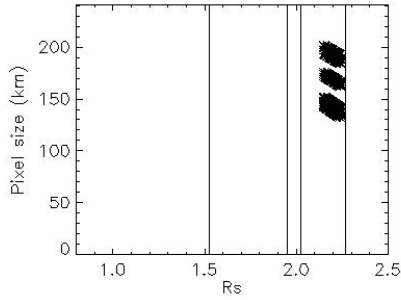
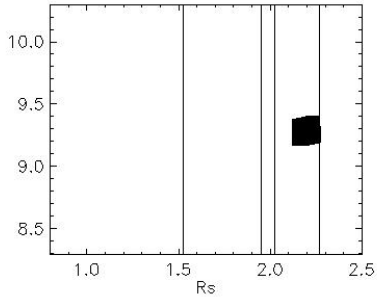
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

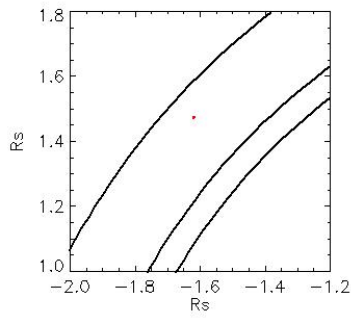
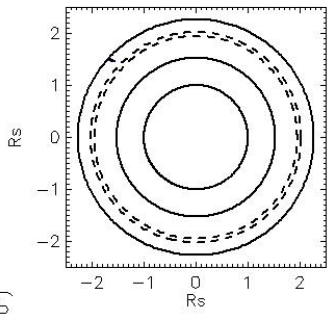
Observation Date:
2016_353_22_53_08

Observation Duration:
80 S

Integration time = 10 S

S/C—Observation Point Distance (10^4)





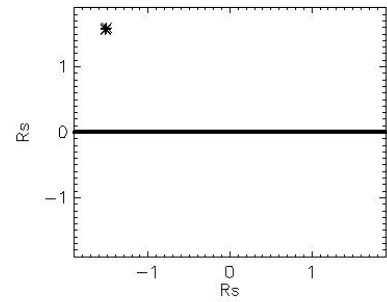
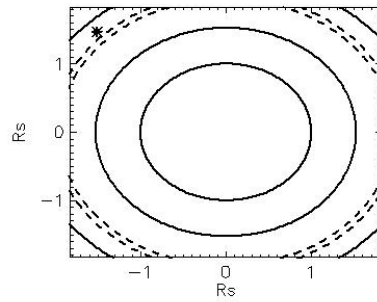
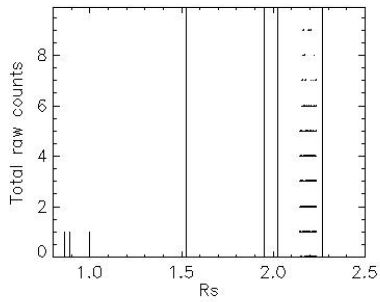
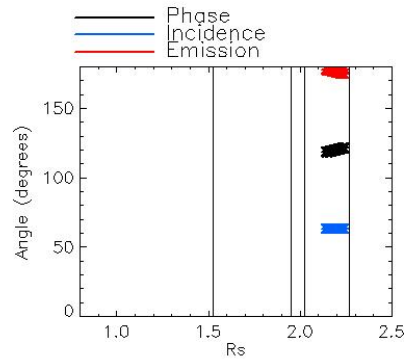
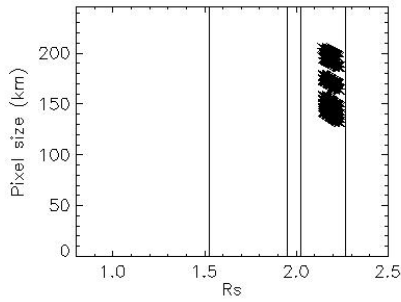
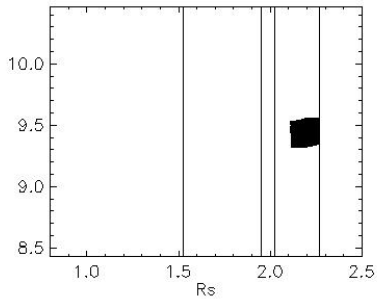
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

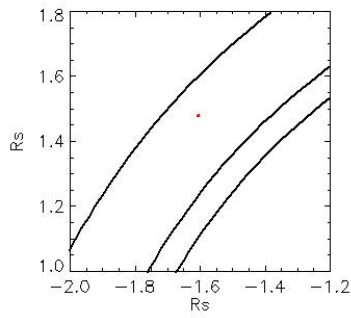
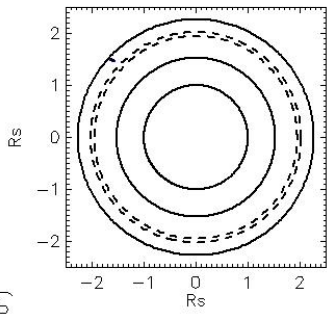
Observation Date:
2016_353_22_54_40

Observation Duration:
80 S

Integration time = 10 S

S/C—Observation Point Distance (10^4)





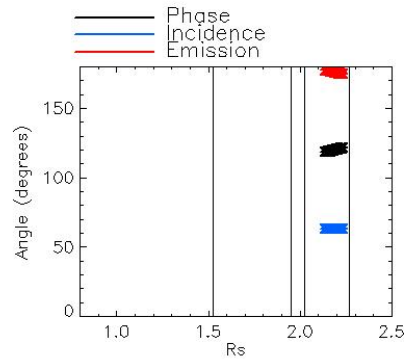
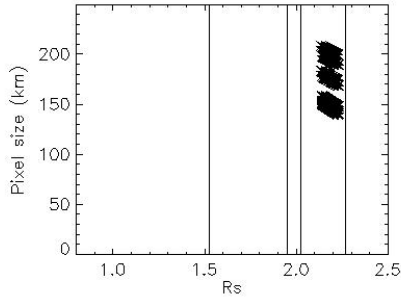
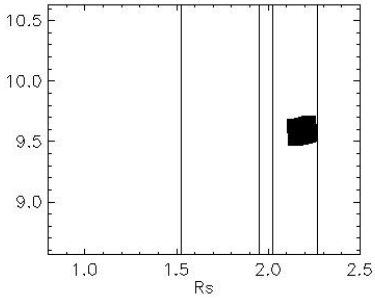
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_56_12

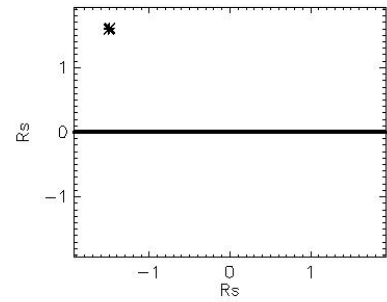
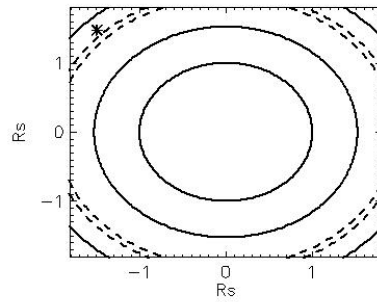
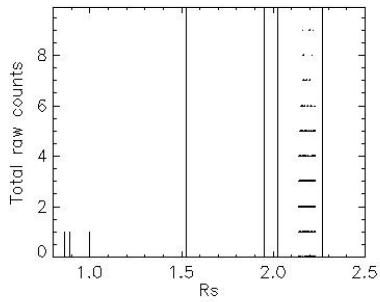
Observation Duration:
80 S

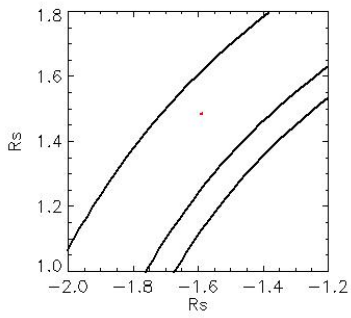
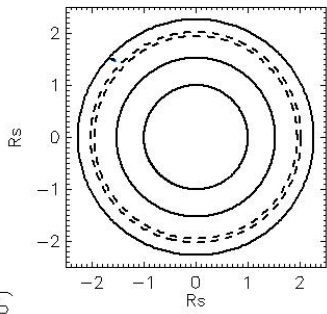
Integration time = 10 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission





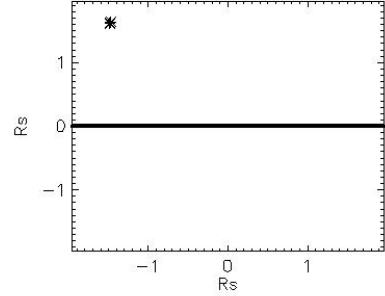
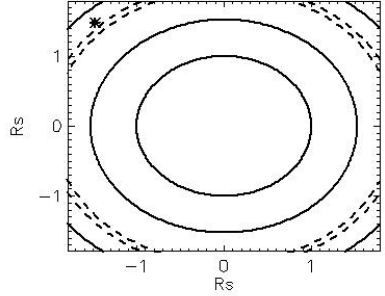
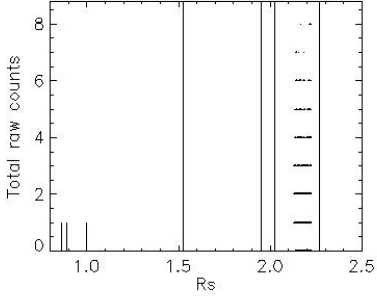
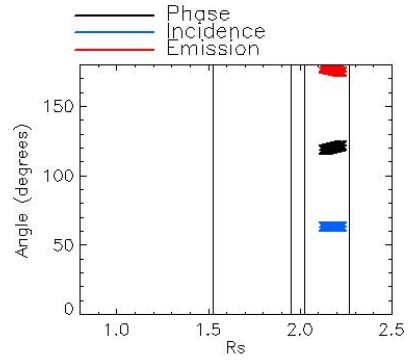
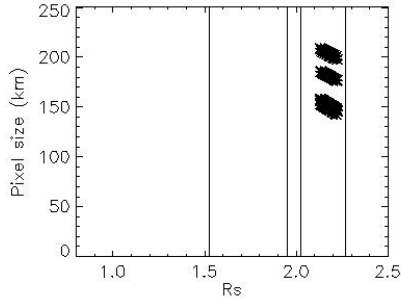
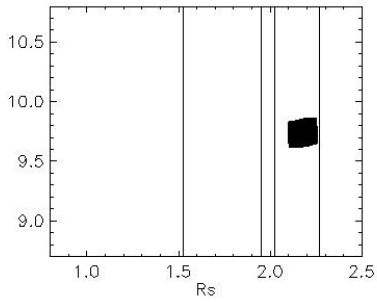
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

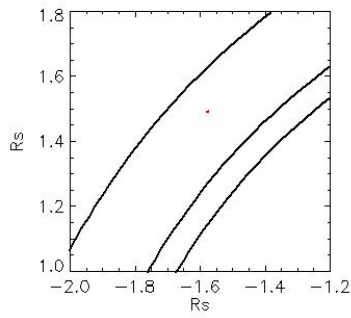
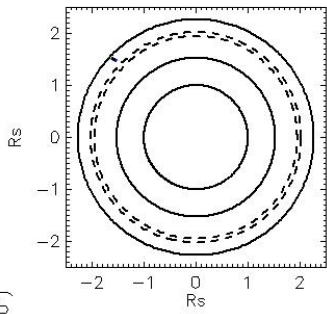
Observation Date:
2016_353_22_57_44

Observation Duration:
80 S

Integration time = 10 S

S/C—Observation Point Distance (10^4)



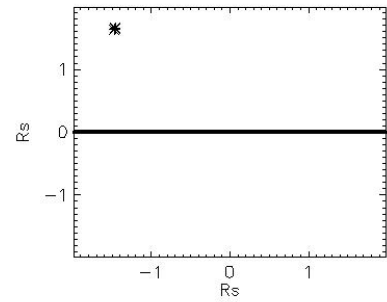
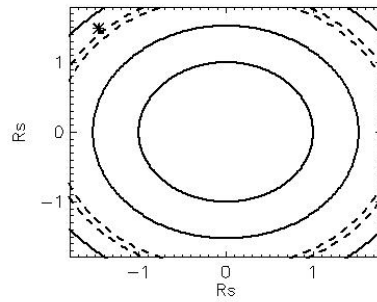
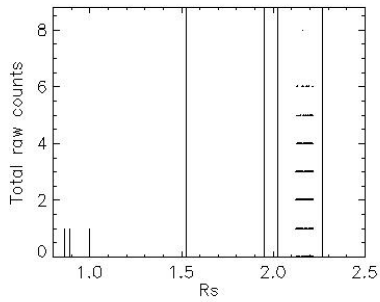
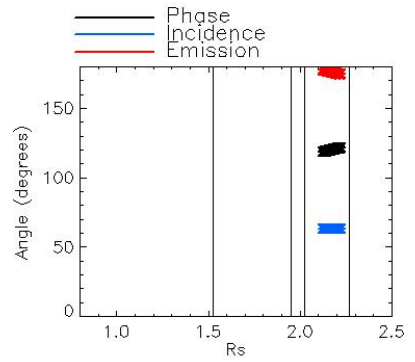
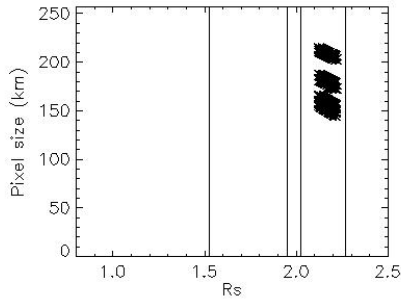
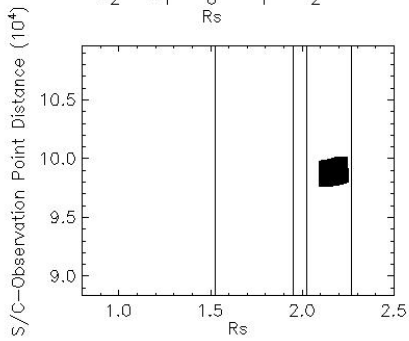


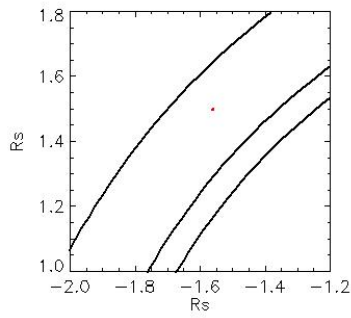
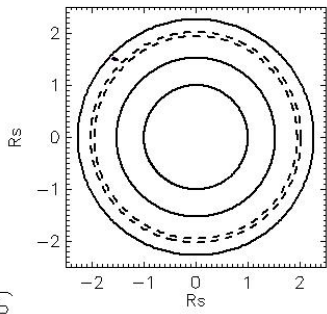
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_22_59_16

Observation Duration:
80 S

Integration time = 10 S



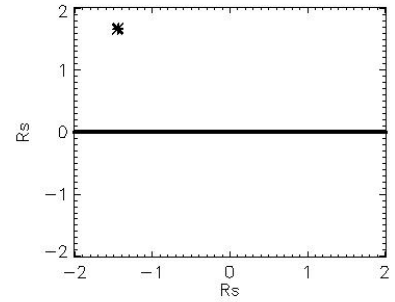
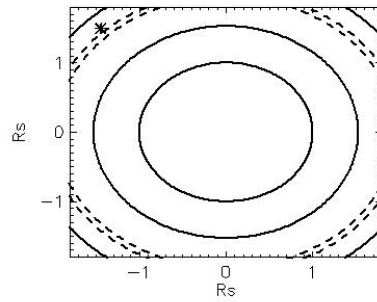
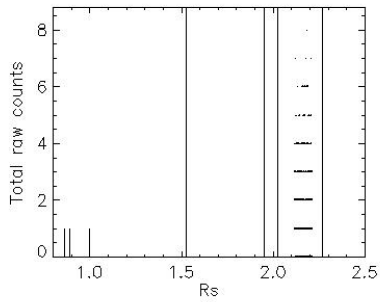
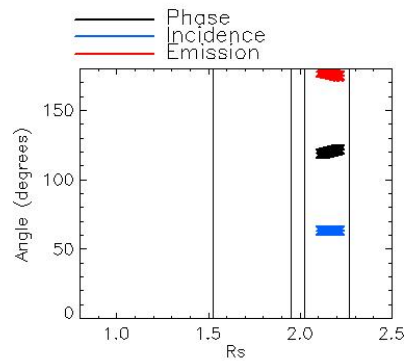
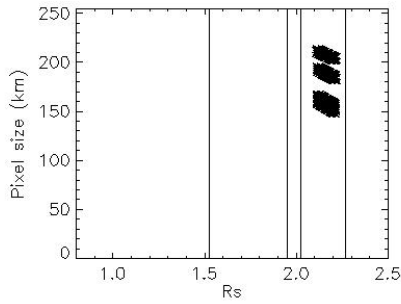
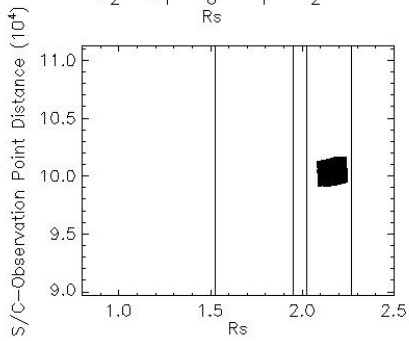


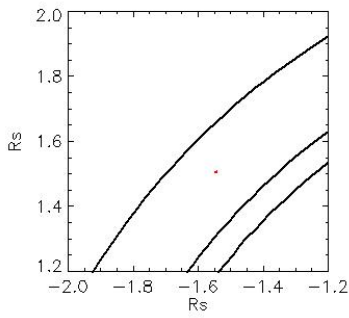
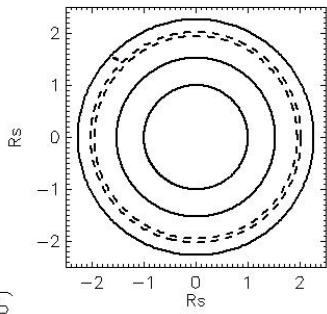
Observation Name:
UVS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_00_48

Observation Duration:
80 S

Integration time = 10 S





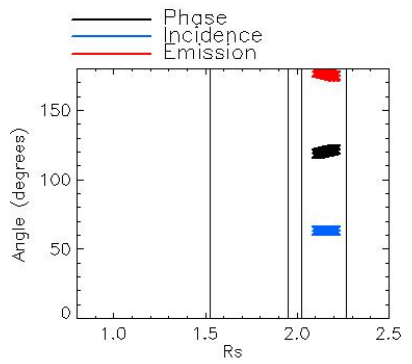
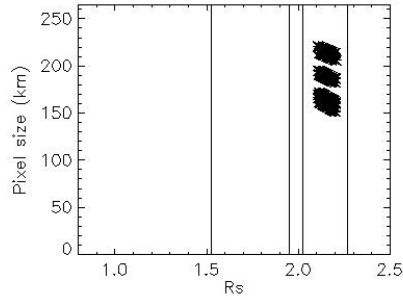
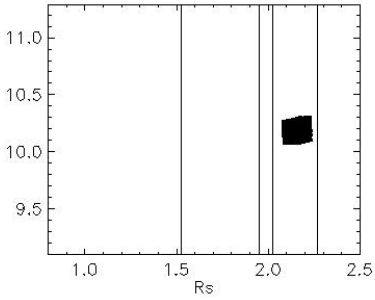
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_02_20

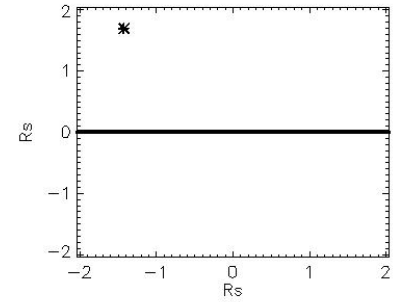
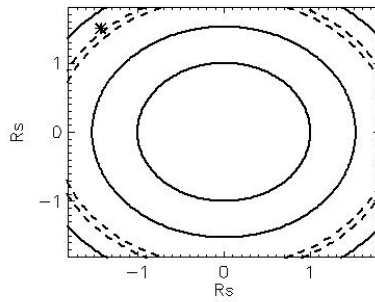
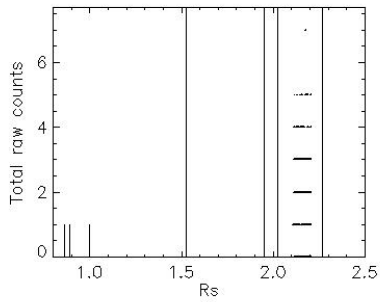
Observation Duration:
80 S

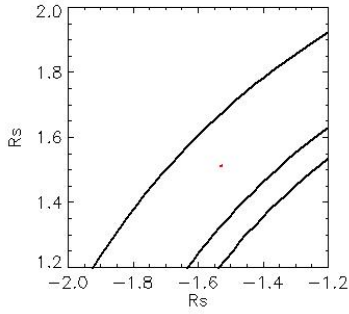
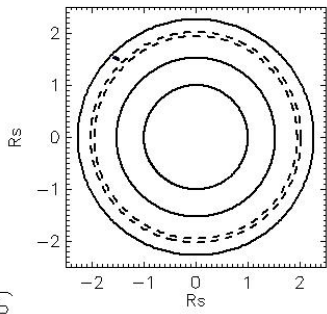
Integration time = 10 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission





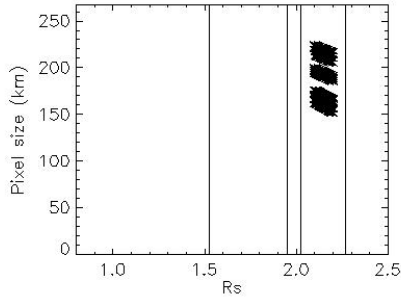
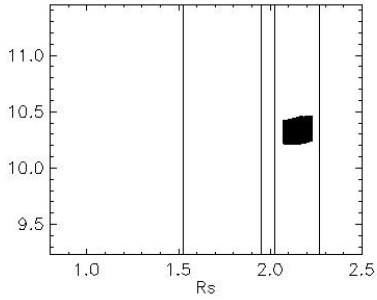
Observation Name:
UWS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_03_52

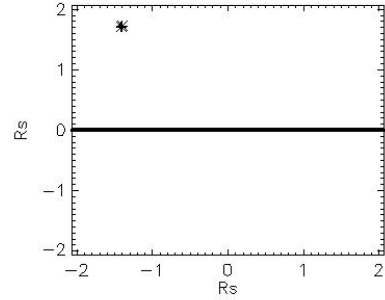
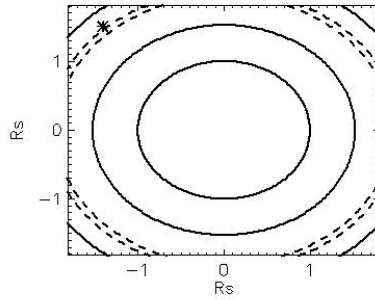
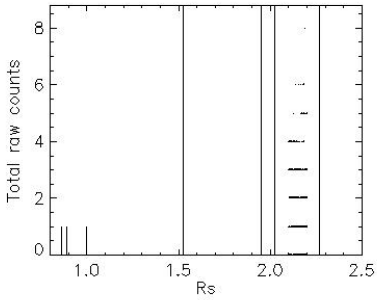
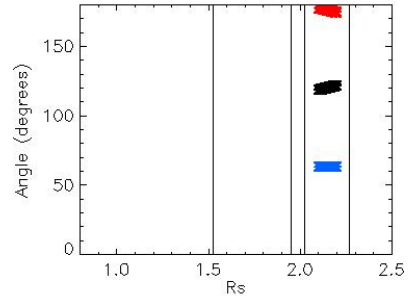
Observation Duration:
80 S

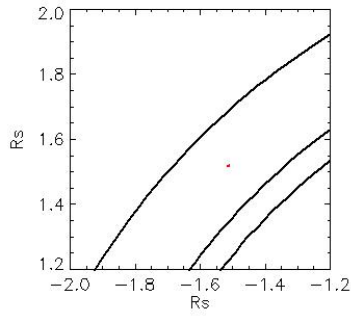
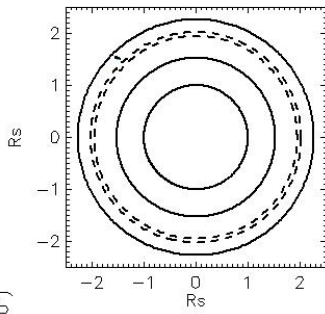
Integration time = 10 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission



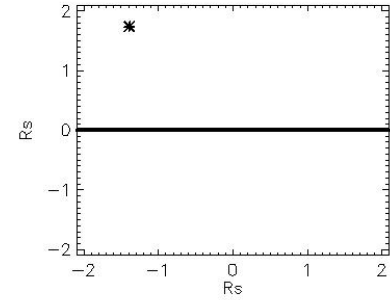
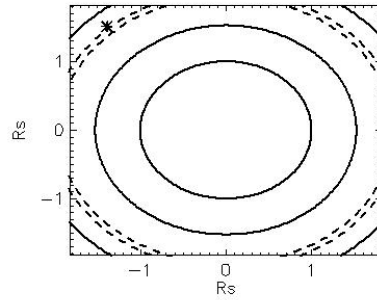
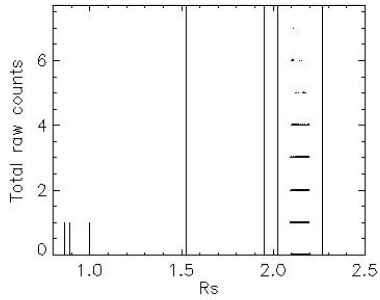
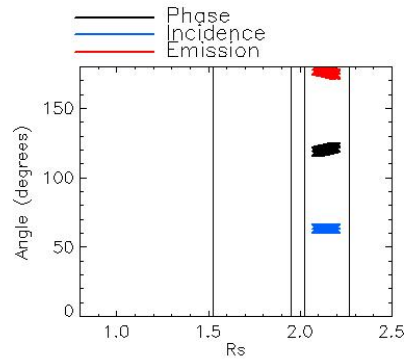
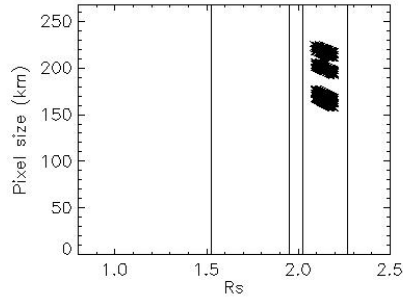
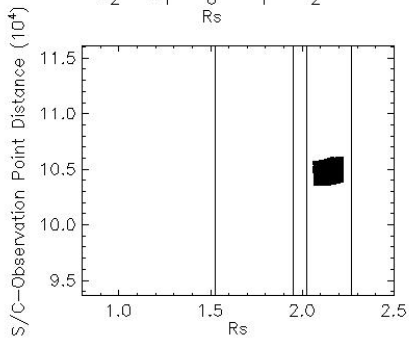


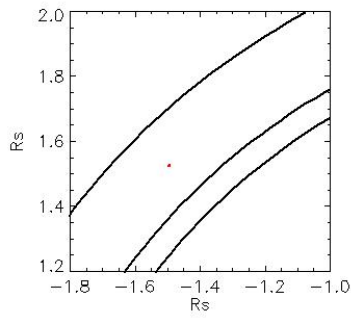
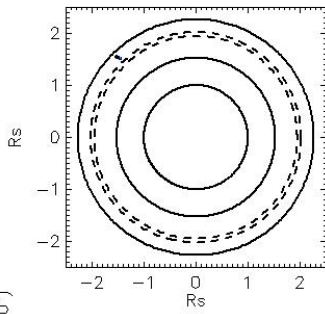
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_05_24

Observation Duration:
80 S

Integration time = 10 S



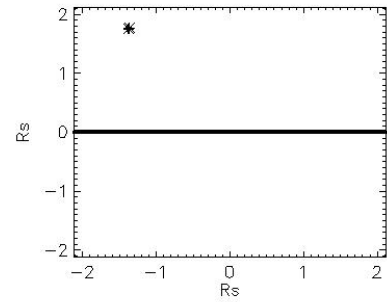
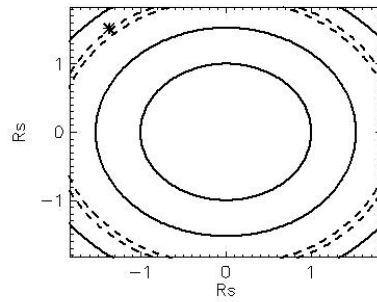
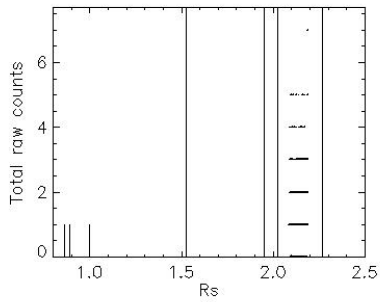
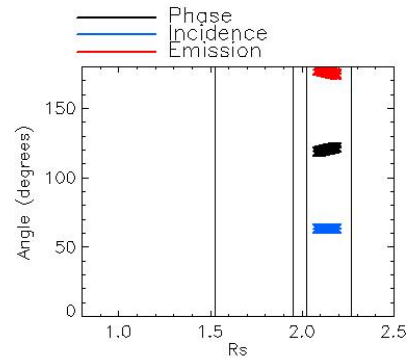
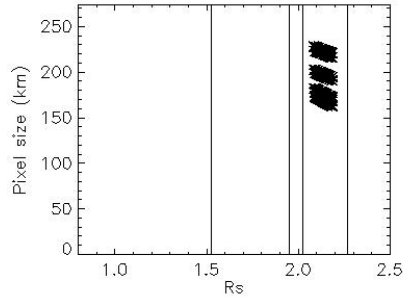
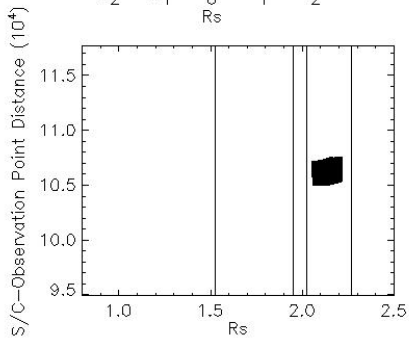


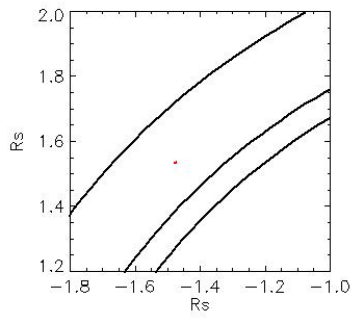
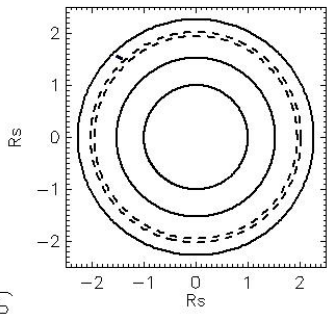
Observation Name:
UVS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_06_56

Observation Duration:
80 S

Integration time = 10 S





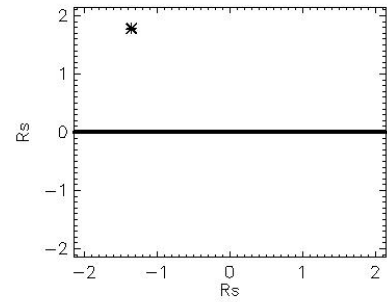
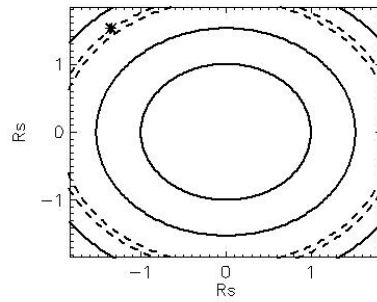
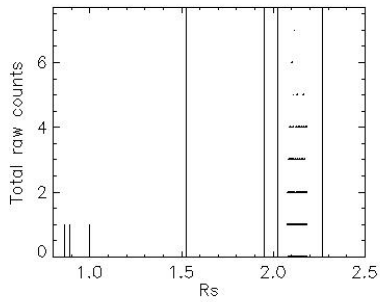
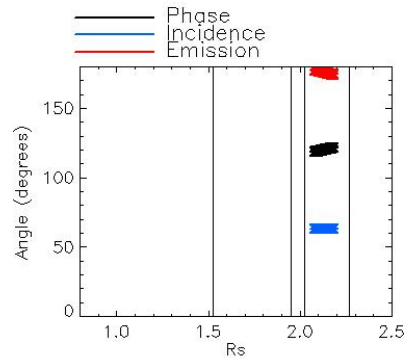
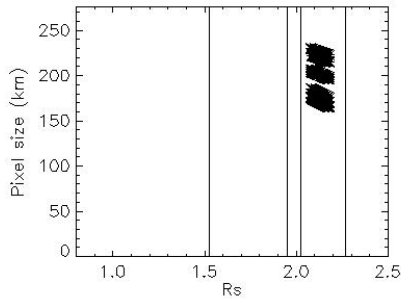
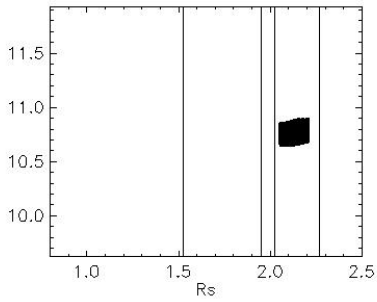
Observation Name:
UMS_253RLSUPRHRESU001_ISS_0

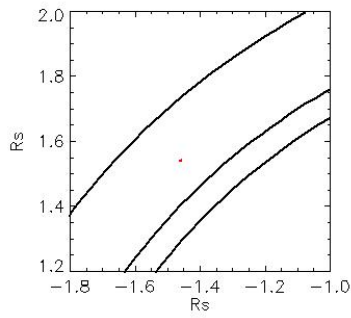
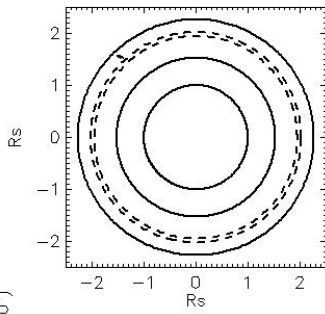
Observation Date:
2016_353_23_08_28

Observation Duration:
80 S

Integration time = 10 S

S/C—Observation Point Distance (10^4)



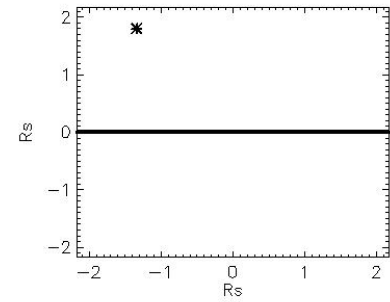
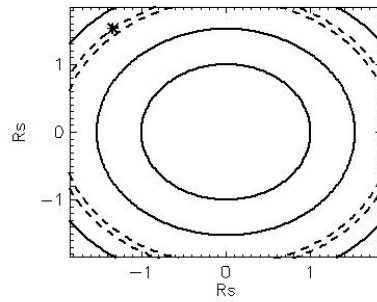
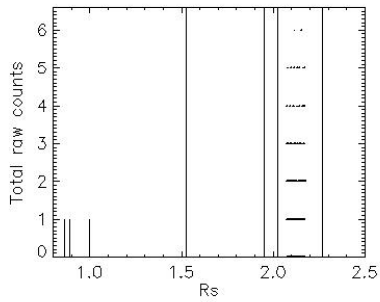
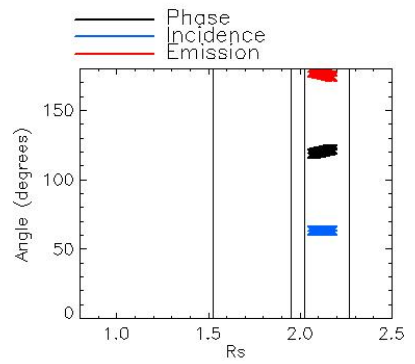
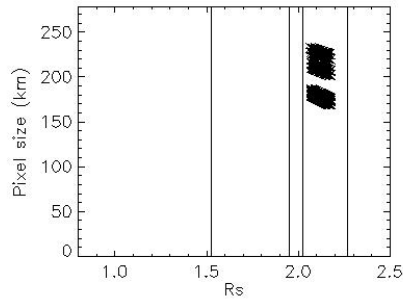
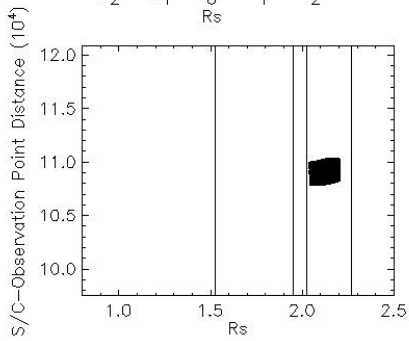


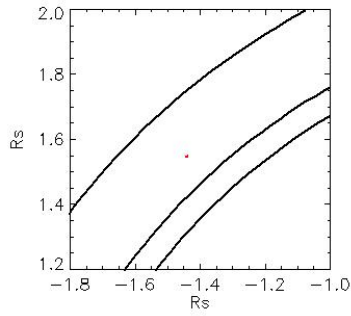
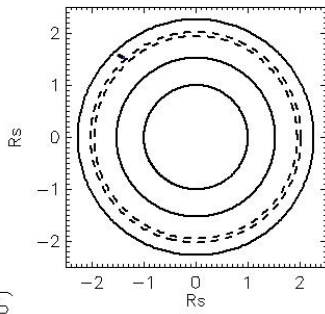
Observation Name:
UWS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_10_00

Observation Duration:
80 S

Integration time = 10 S





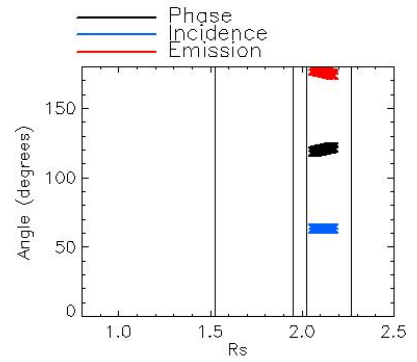
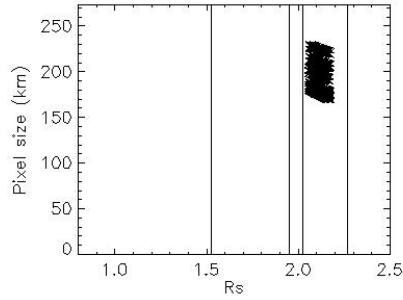
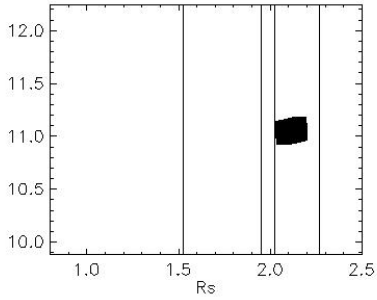
Observation Name:
UWS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_11_32

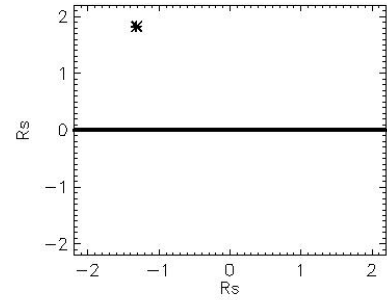
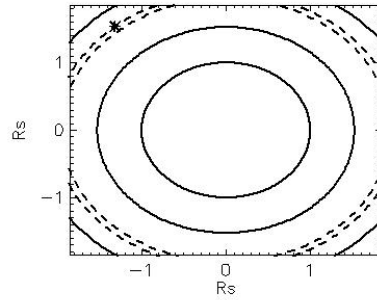
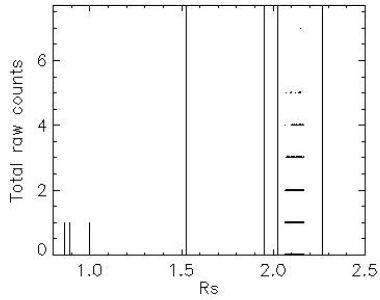
Observation Duration:
80 S

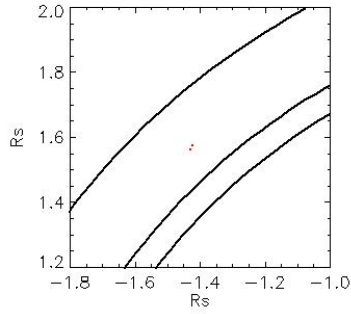
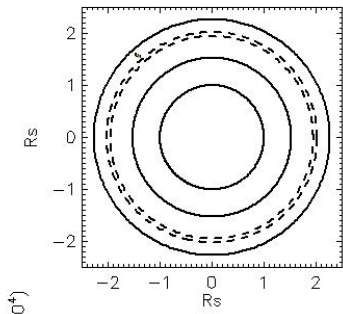
Integration time = 10 S

S/C—Observation Point Distance (10^4)



— Phase
— Incidence
— Emission



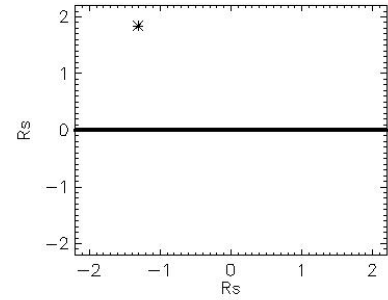
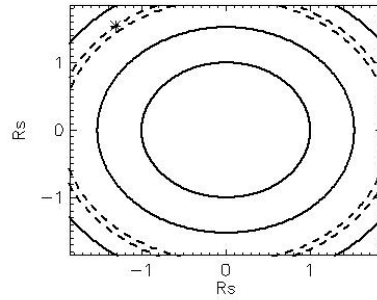
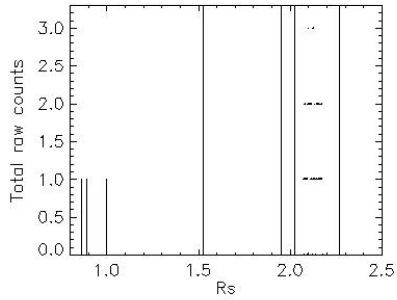
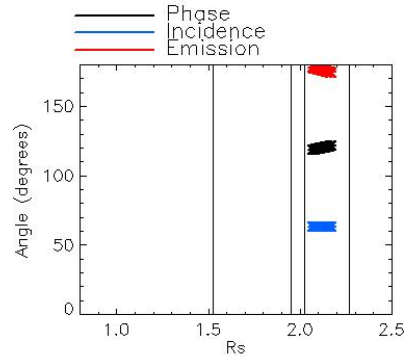
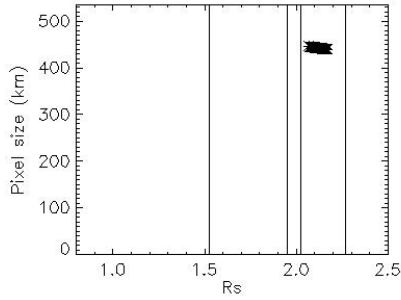
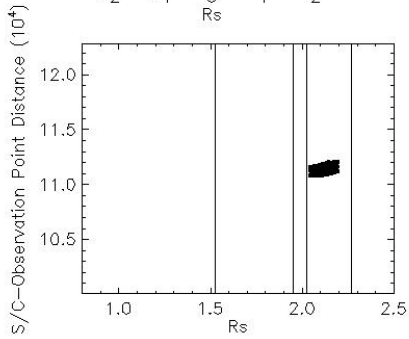


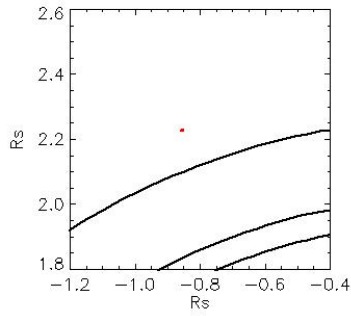
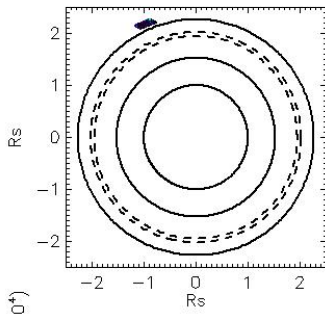
Observation Name:
UWS_253RLSUPRHRESU001_ISS_0

Observation Date:
2016_353_23_13_04

Observation Duration:
10 S

Integration time = 10 S



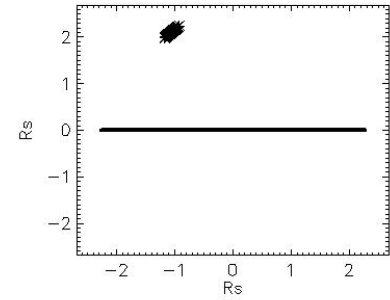
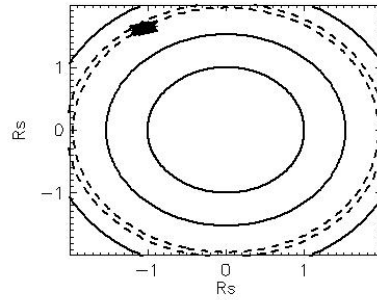
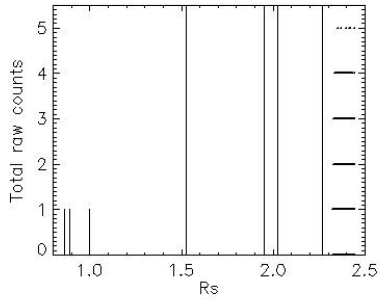
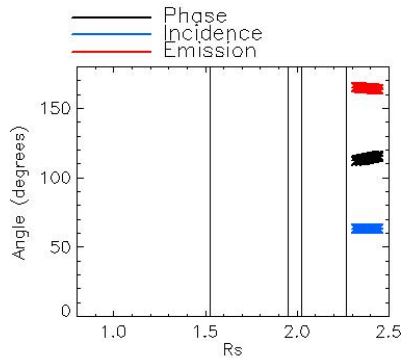
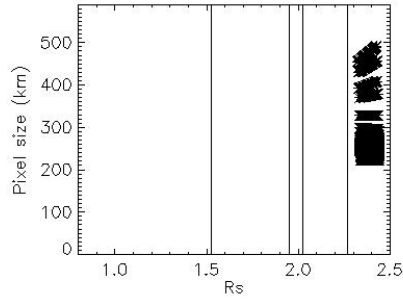
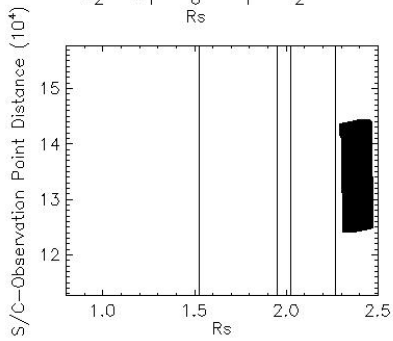


Observation Name:
UMS_253RLRSCANDRK001_CIRS_0

Observation Date:
2016_353_23_24_01

Observation Duration:
1200 S

Integration time = 10 S

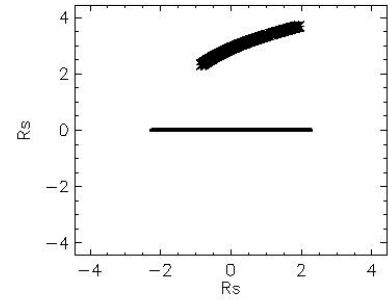
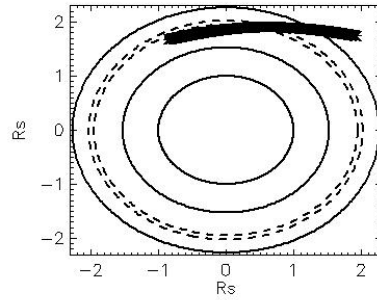
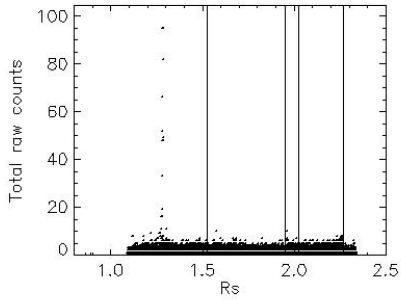
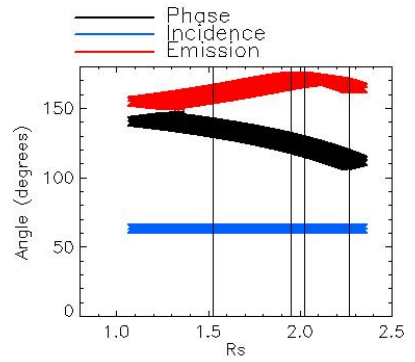
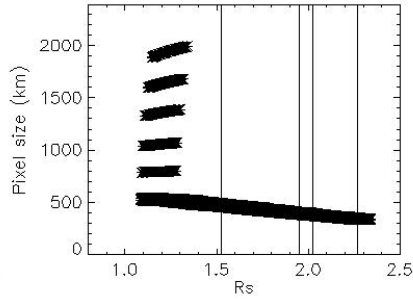
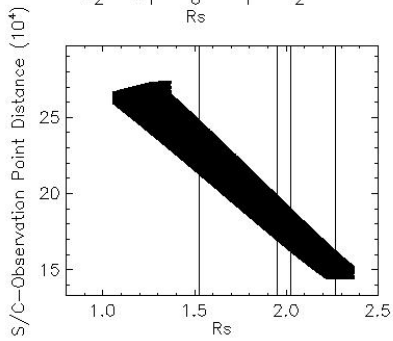
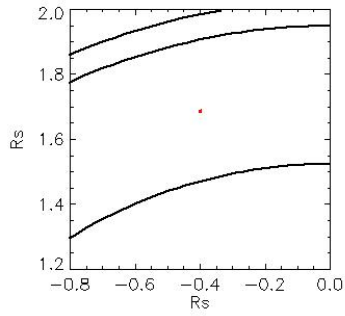
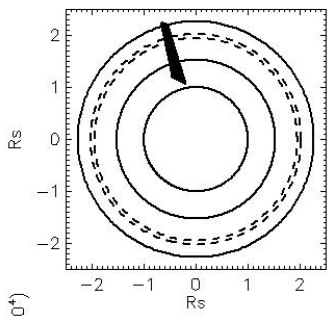


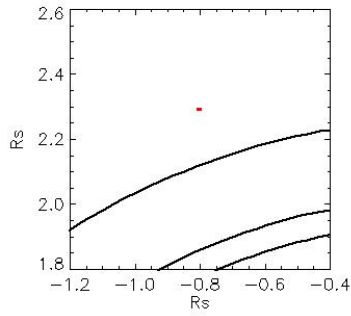
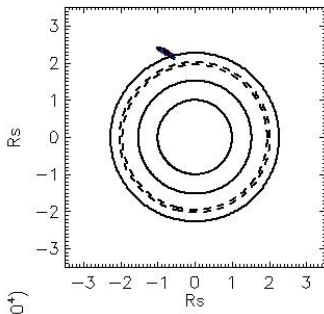
Observation Name:
UMS_253RLRSCANDRK001_CIRS_0

Observation Date:
2016_353_23_50_01

Observation Duration:
10380 S

Integration time = 10 S



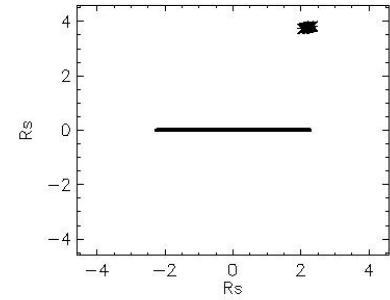
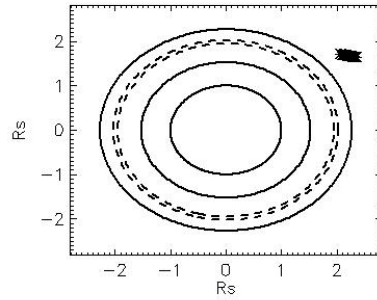
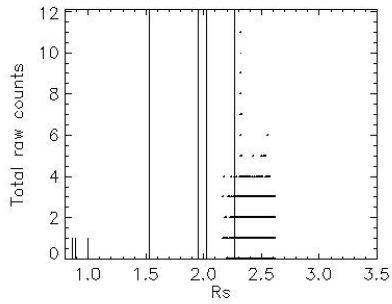
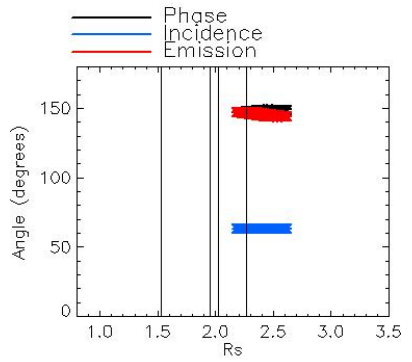
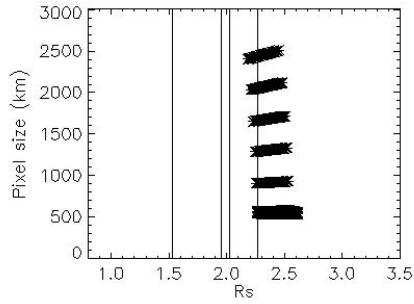
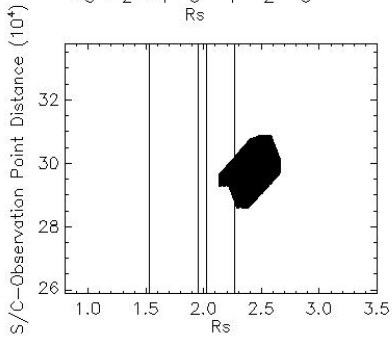


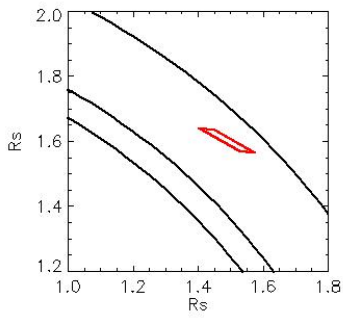
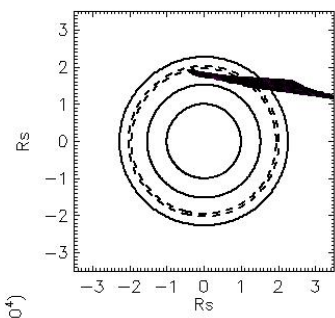
Observation Name:
UMS_253RLRSCANDRK001_CIRS_0

Observation Date:
2016_354_02_51_01

Observation Duration:
1200 S

Integration time = 10 S





Observation Name:
UVS_253RLCOMPUNL001_CIRS_0
Observation Date:
2016_355_13_07_01
Observation Duration:
13980 S
Integration time = 10 S

