

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8811 - L2 Version 2
Chandra X-Ray Center

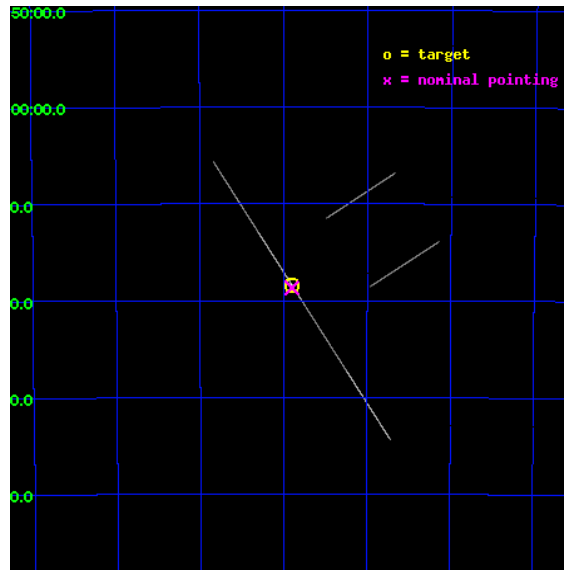
L2 Processing Date : May 22 2012

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1 Front

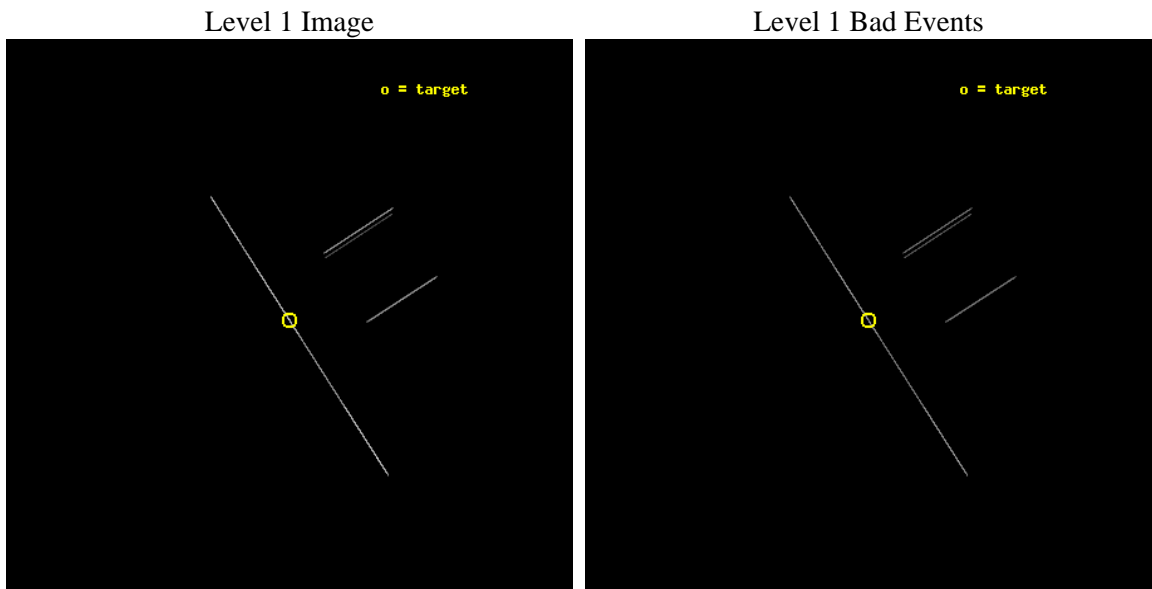
seq_num	500860	Sequence number
obs_id	8811	Observation id
title	TINY HICCUPS TO TITANIC EXPLOSIONS: Tackling Transients in Anomalous X-ray Pulsars	Proposal title
observer	Professor Victoria Kaspi	Principal investigator
object	1E 1547.0-5408	Source name
ra_targ	237.725417	Observer's specified target RA [deg]
dec_targ	-54.306583	Observer's specified target Dec [deg]
ra_nom	237.72520798252	Nominal RA [deg]
dec_nom	-54.311438051055	Nominal Dec [deg]
roll_nom	237.15646374568	Nominal Roll [deg]
revision	2	Processing version of data
ontime	12141.25	Sum of GTIs [s]
livetime	12093.823242188	Livetime [s]
ontime2	12141.25	Sum of GTIs [s]
ontime3	12141.25	Sum of GTIs [s]
ontime5	12141.25	Sum of GTIs [s]
ontime6	12141.25	Sum of GTIs [s]
ontime7	12141.25	Sum of GTIs [s]
ontime8	12141.25	Sum of GTIs [s]
l2events	245304	Number of level 2 events



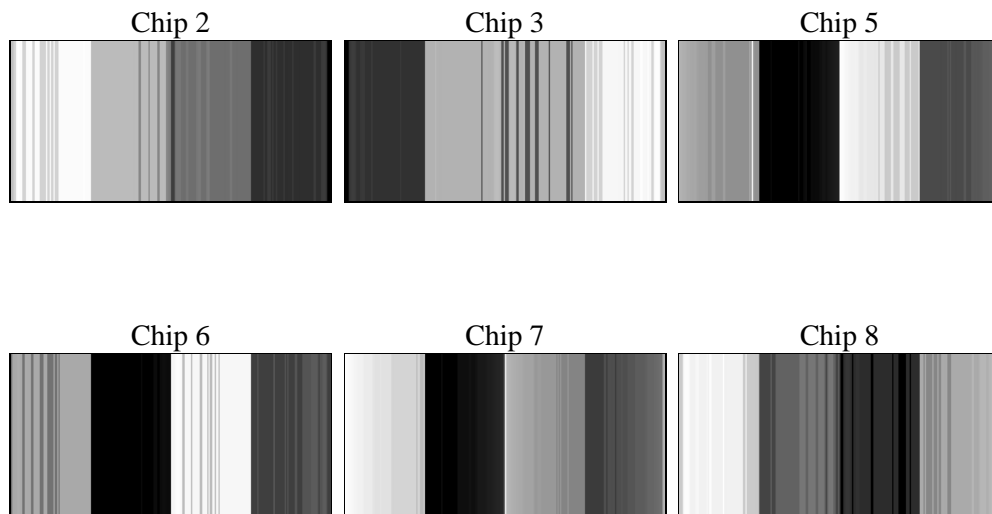
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	12141.25	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	12141.25	Sum of GTIs [s]
date	2012-05-22T10:10:16	Date and time of file creation	ontime3	12141.25	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	12141.25	Sum of GTIs [s]
			ontime6	12141.25	Sum of GTIs [s]
			ontime7	12141.25	Sum of GTIs [s]
			ontime8	12141.25	Sum of GTIs [s]
			l1events	381020	Number of level 1 events

2.1.4 Events

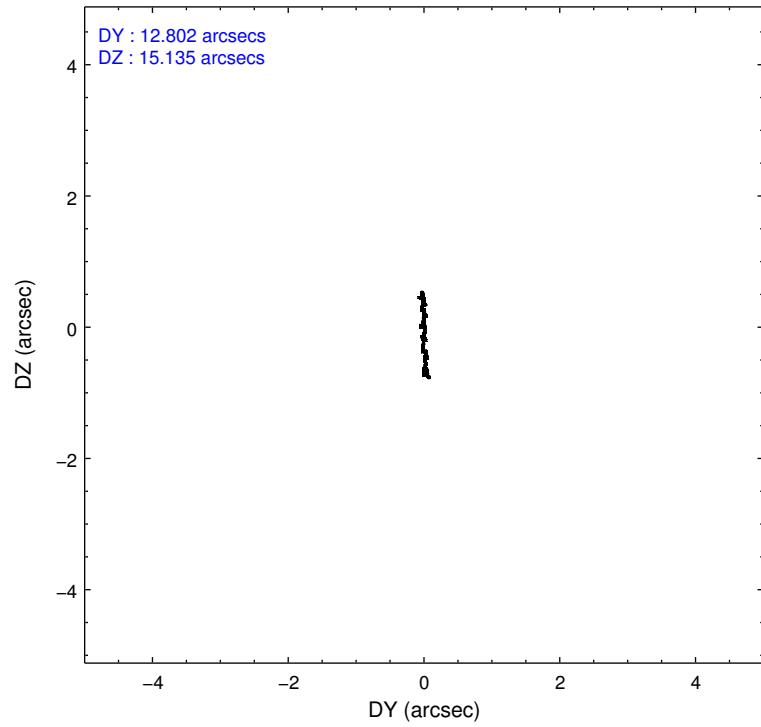
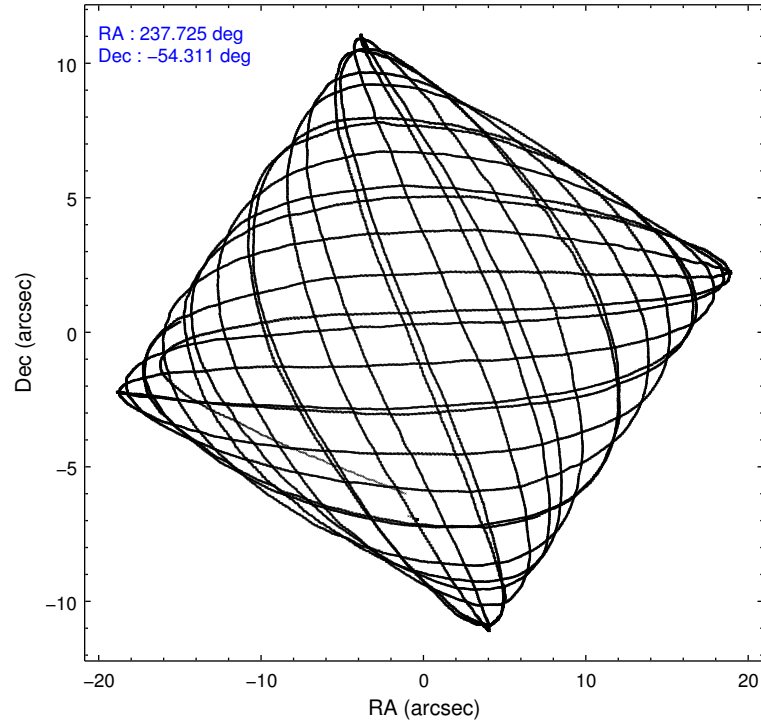
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	27419	29017	122764	29543	110462	61815
rejected events	7092	7506	22199	7955	20902	12717
rejected %	25%	25%	18%	26%	18%	20%

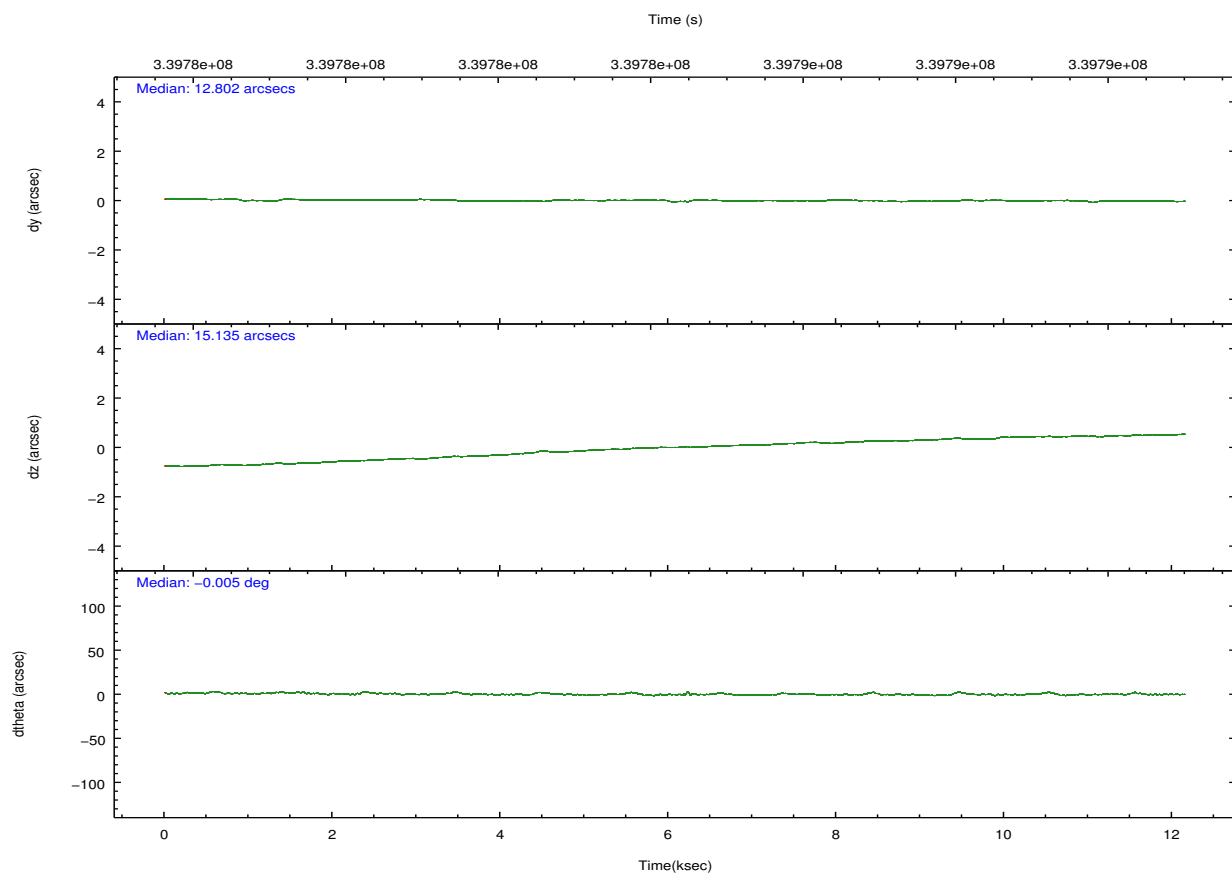
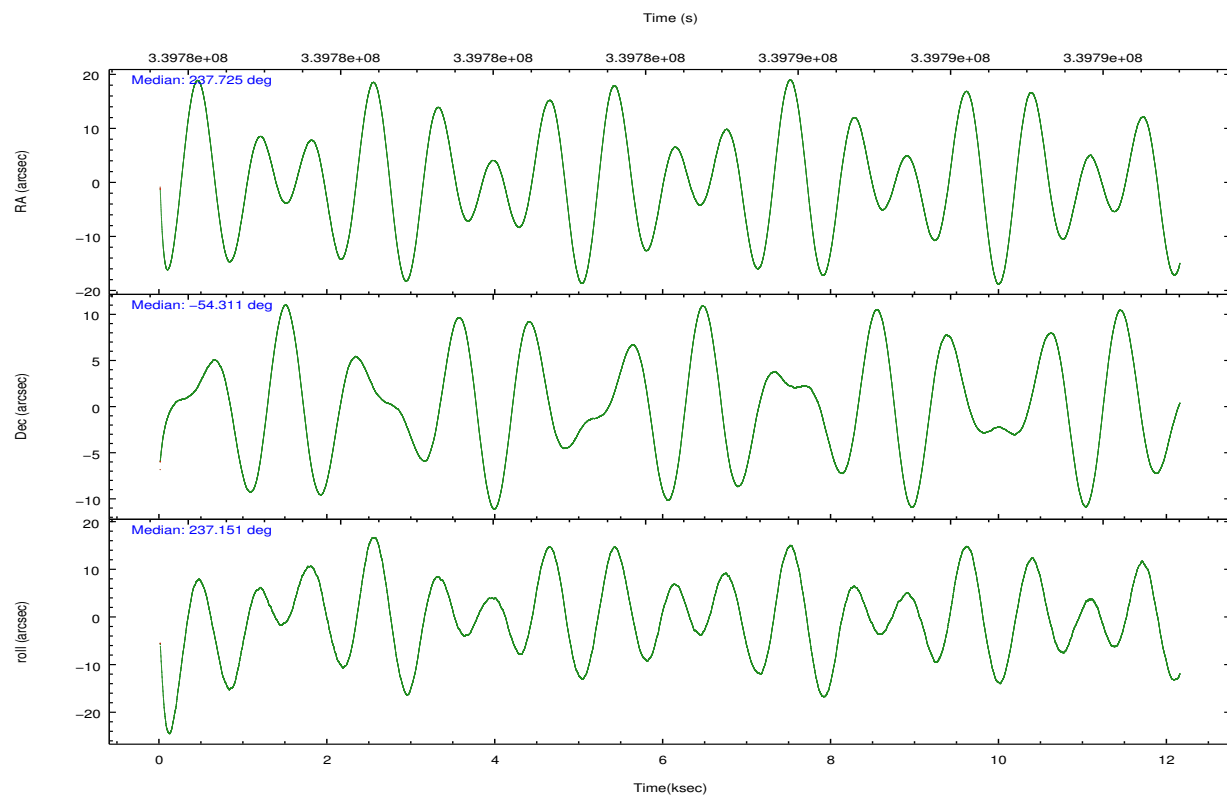
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	3219	3265	18075	2951	9708	10662
	11%	11%	14%	9%	8%	17%
grade 1 events	154	128	226	113	233	218
	0%	0%	0%	0%	0%	0%
grade 2 events	8718	9251	32871	9279	25076	17141
	31%	31%	26%	31%	22%	27%
grade 3 events	2704	2855	2236	2738	6772	5830
	9%	9%	1%	9%	6%	9%
grade 4 events	2667	2626	2257	2645	6739	5534
	9%	9%	1%	8%	6%	8%
grade 5 events	5261	5613	12049	5910	14564	8198
	19%	19%	9%	20%	13%	13%
grade 6 events	4696	5279	55050	5907	47370	14232
	17%	18%	44%	19%	42%	23%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	CC33_FAINT	CC33_FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	237.726923	237.725207982518	CCD I2 on	O2	Y
[deg] Pointing Dec	-54.284108	-54.31143805105483	CCD I3 on	O3	Y
[deg] Pointing Roll	237.001218	237.1564637456837	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	339778402.184000	339777177.32098	CCD S5 on	N	N
Observation start date	2008-10-07T14:52:17	2008-10-07T14:32:57	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	339790402.184000	339791389.45918	On-chip summing requested	N	N
Observation end date	2008-10-07T18:12:17	2008-10-07T18:29:49	Subarray requested	NONE	NONE
Read mode	CONTINUOUS	CONTINUOUS	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	0

2.3 Aspect



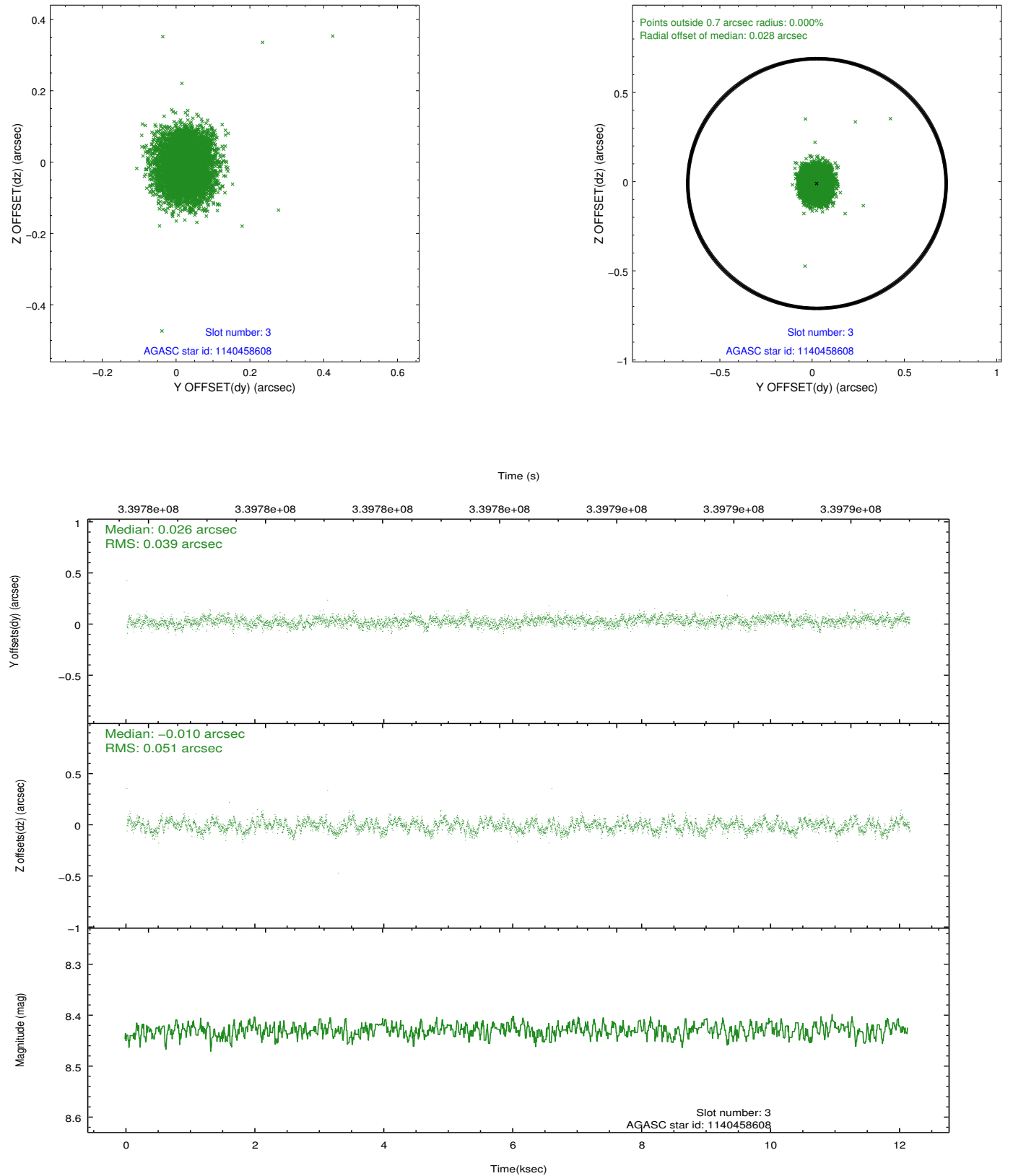


Slot Statistics

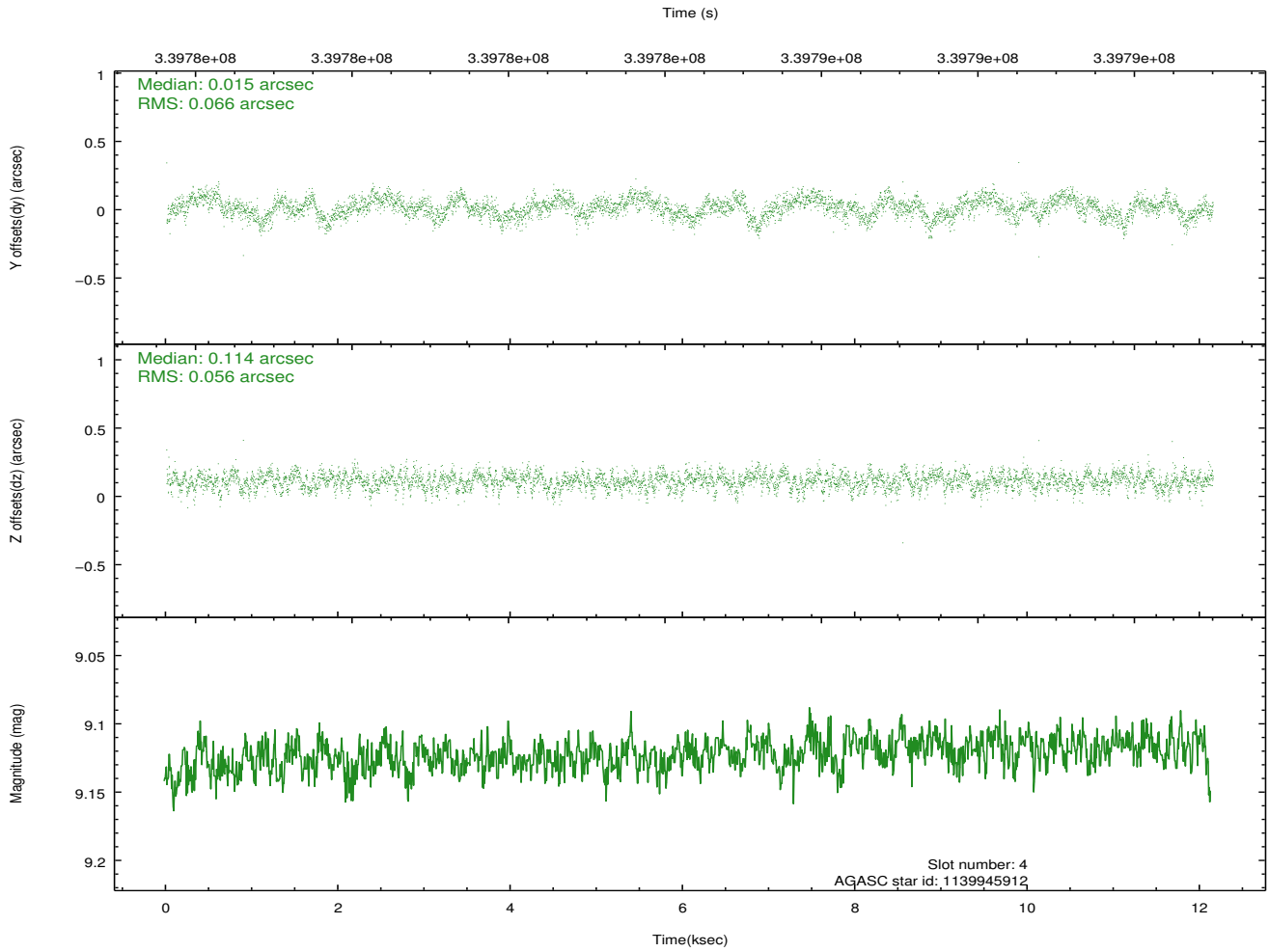
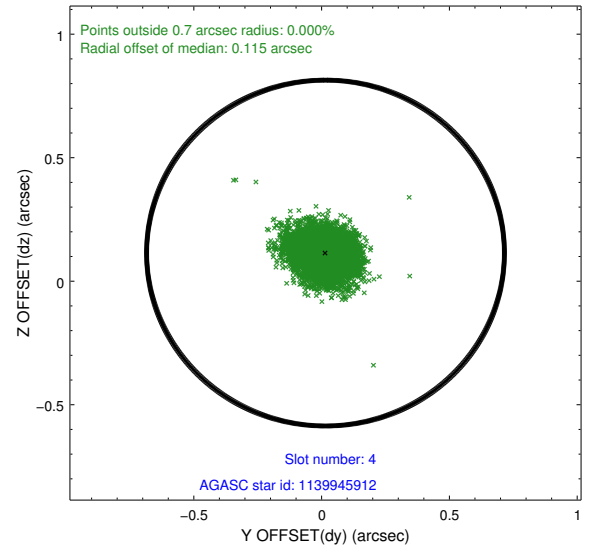
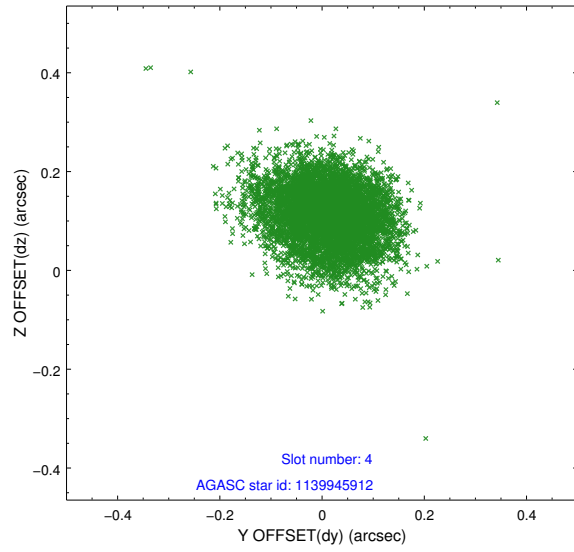
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.88	2963	-0.041	-0.012	0.011	0.018	0.000000	0.000000	-765.73	-1736.48
1	FID	ACIS-S-4	6.96	2963	0.140	0.023	0.014	0.024	0.000000	0.000000	2147.51	171.66
2	FID	ACIS-S-5	7.00	2963	-0.132	-0.002	0.010	0.018	0.000000	0.000000	-1818.17	165.71
3	GUIDE	1140458608	8.43	5924	0.026	-0.010	0.069	0.107	237.337107	-54.507511	1120.44	-243.79
4	GUIDE	1139945912	9.12	5919	0.015	0.114	0.093	0.149	238.361289	-54.201826	-970.55	962.45
5	GUIDE	1139941688	9.15	5909	-0.083	-0.018	0.110	0.166	238.371800	-54.158507	-1113.89	897.64
6	GUIDE	1139943608	9.20	5915	-0.186	0.146	0.082	0.140	238.761095	-54.002426	-2029.01	1291.97
7	GUIDE	1140334872	9.07	5880	0.228	-0.232	0.119	0.202	236.234092	-54.377223	2014.01	-2424.10

2.4 Star Slots

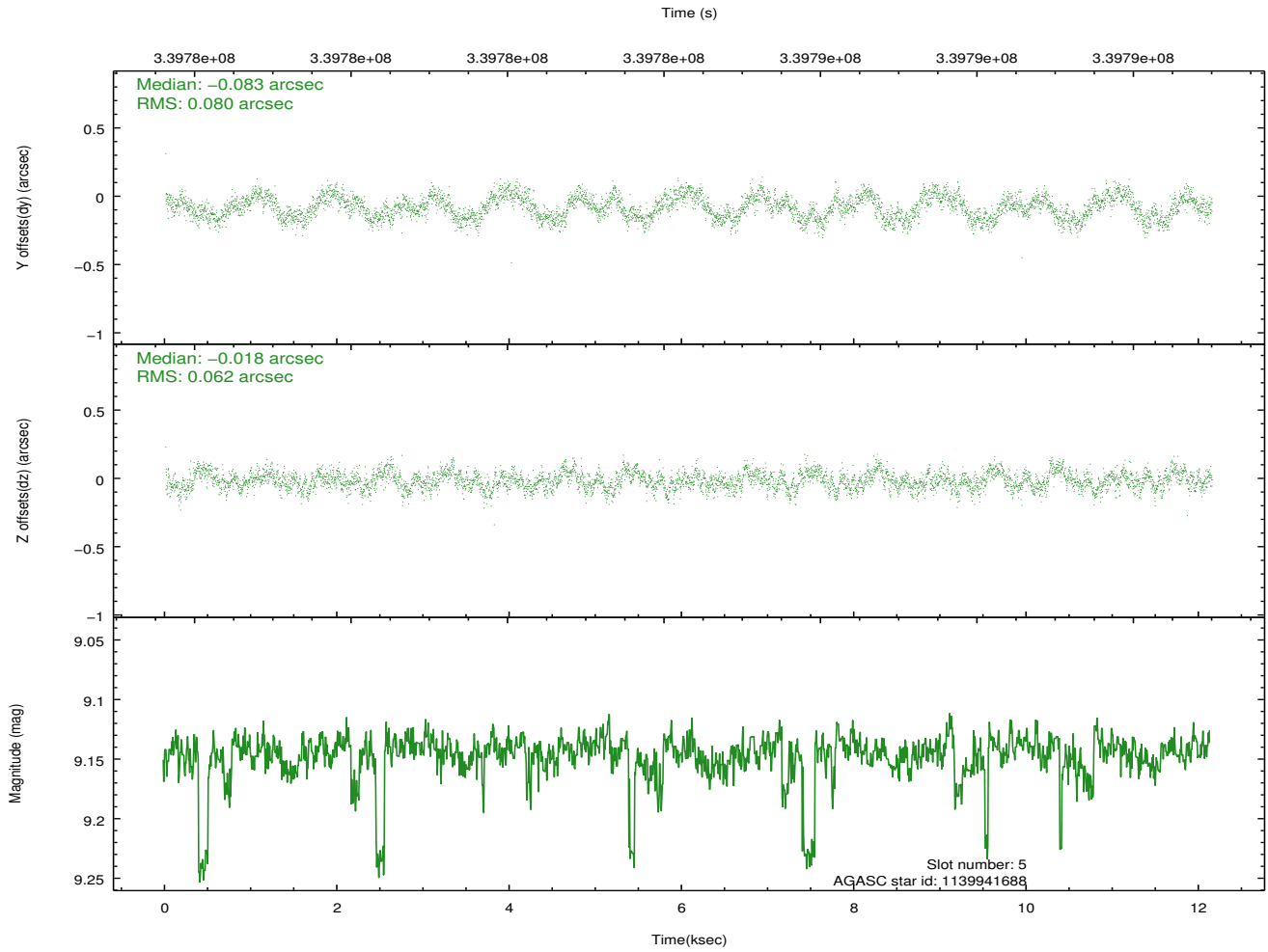
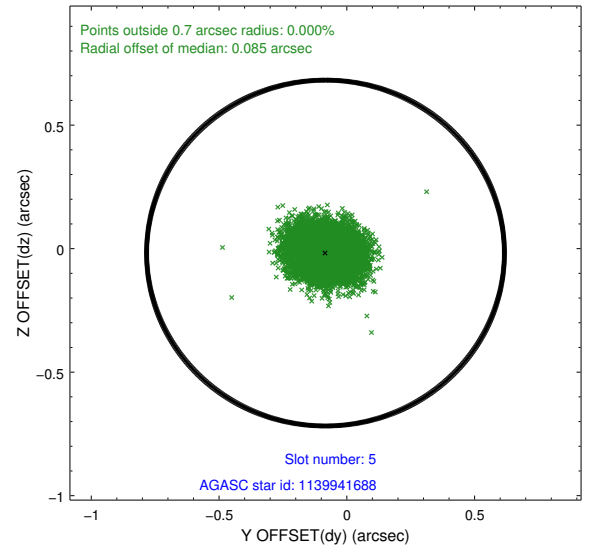
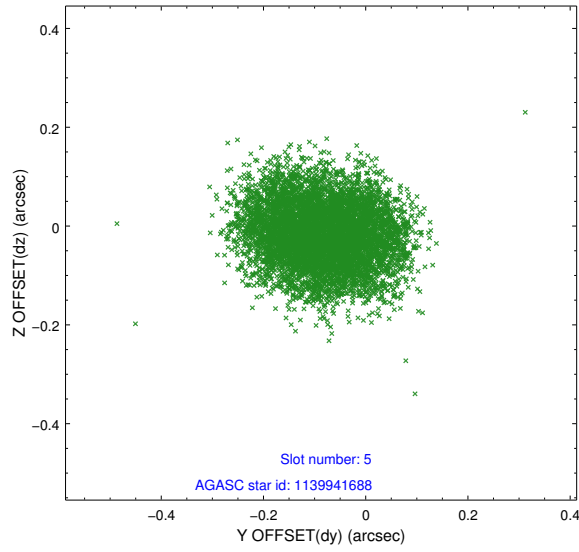
2.4.1 Slot 3



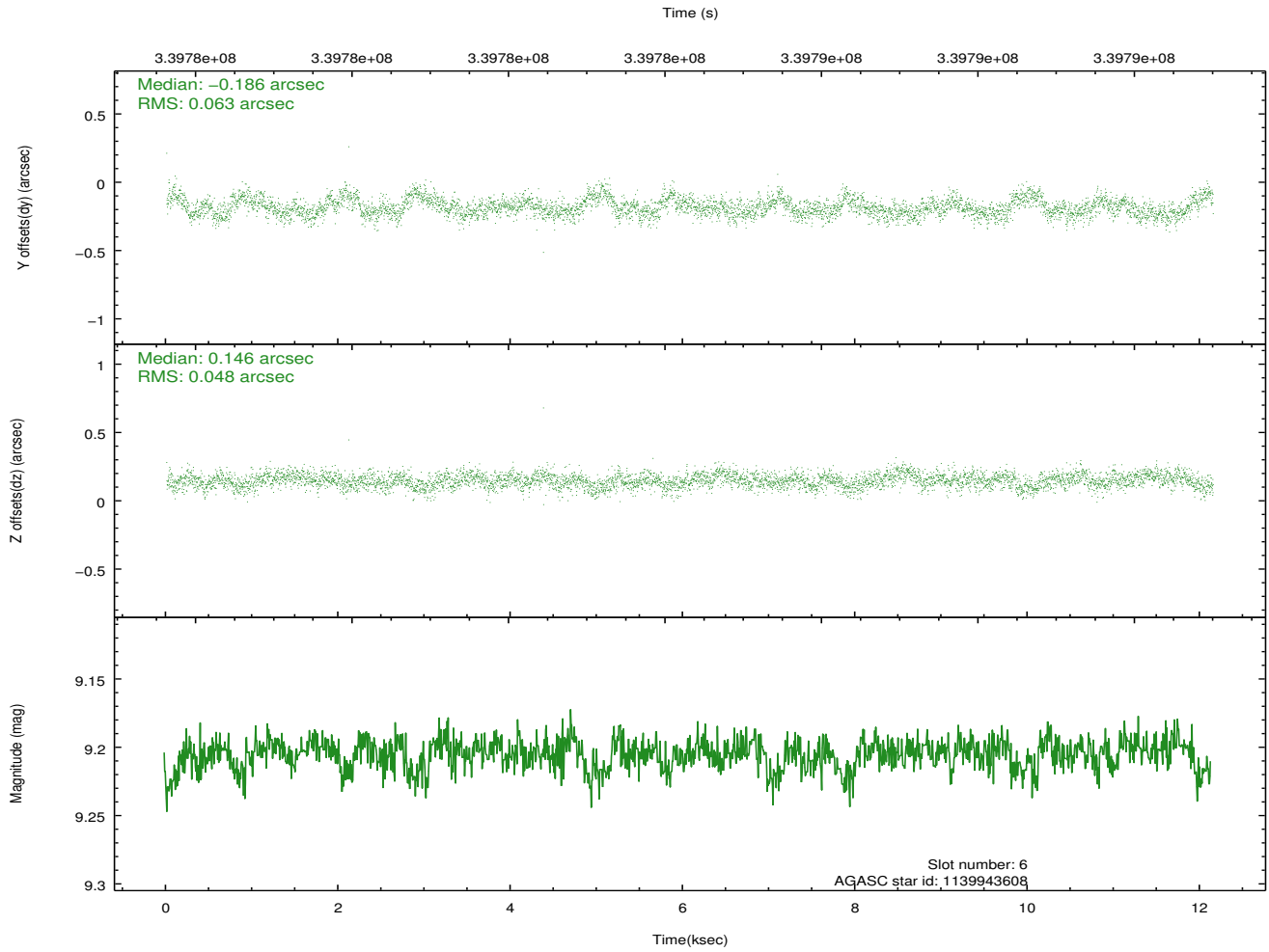
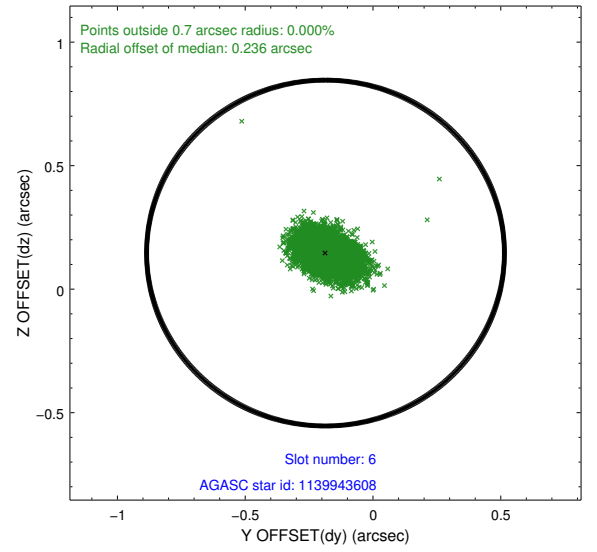
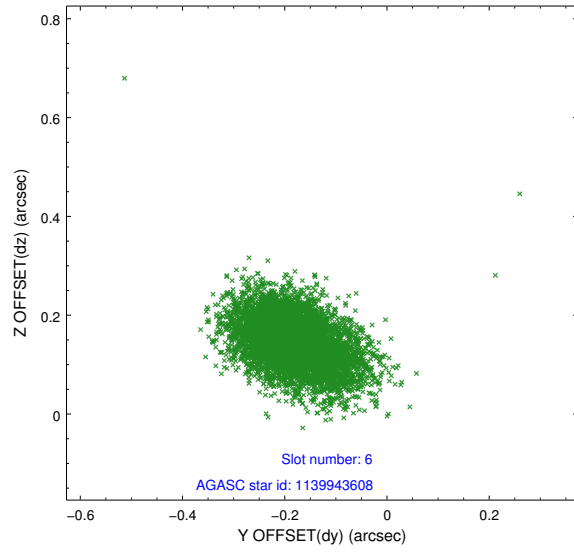
2.4.2 Slot 4



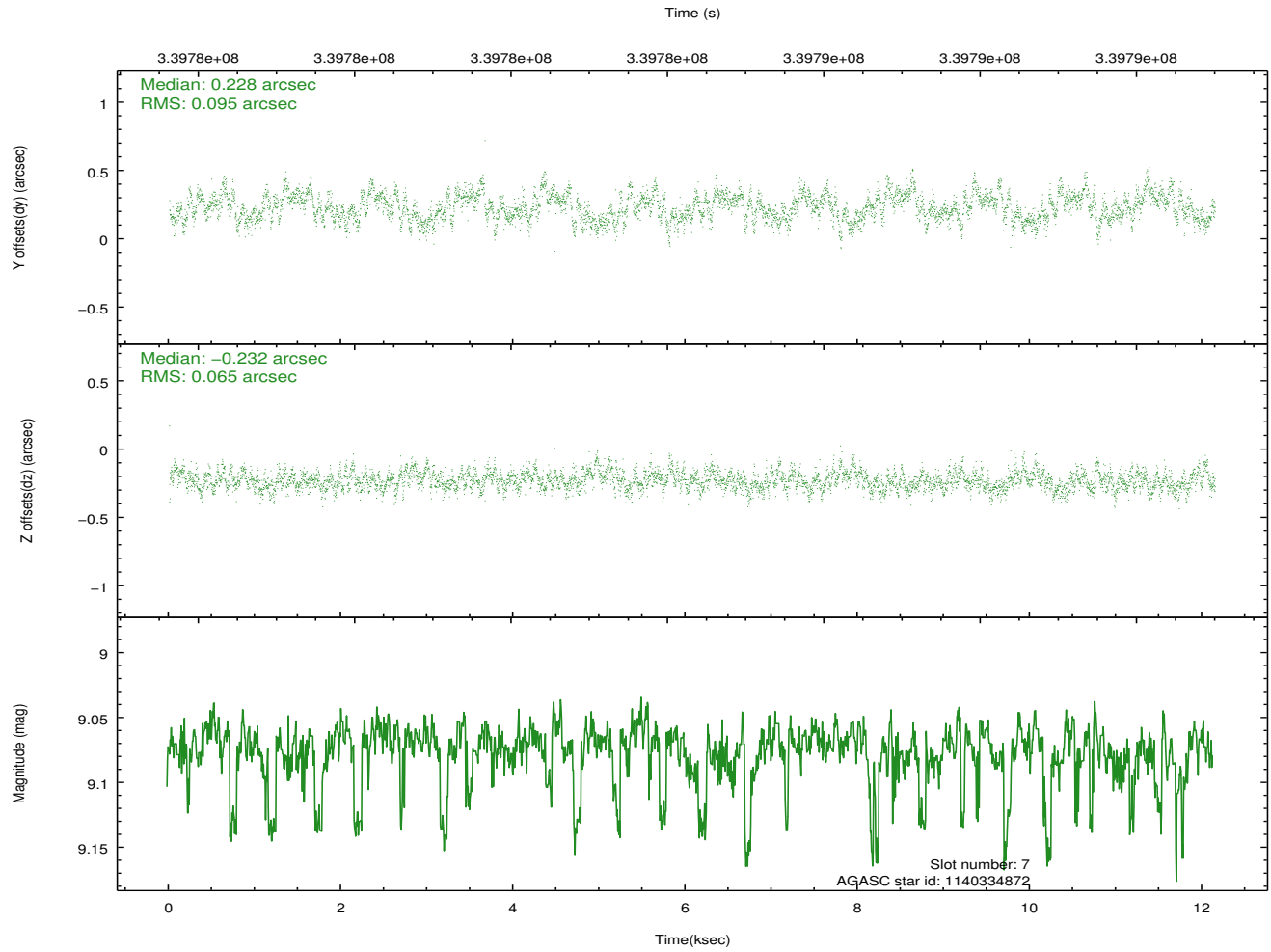
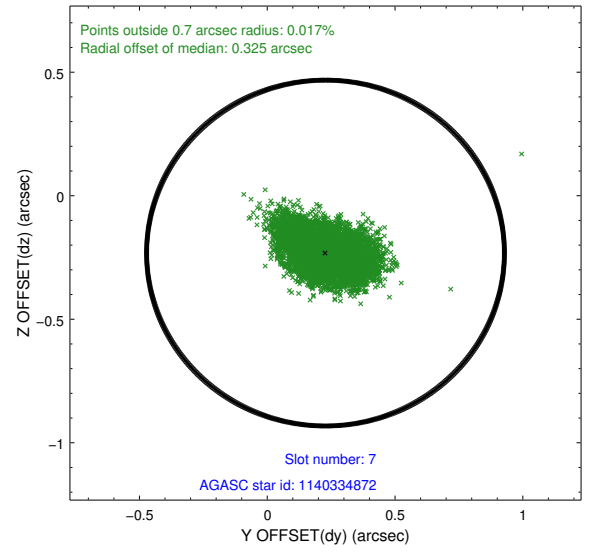
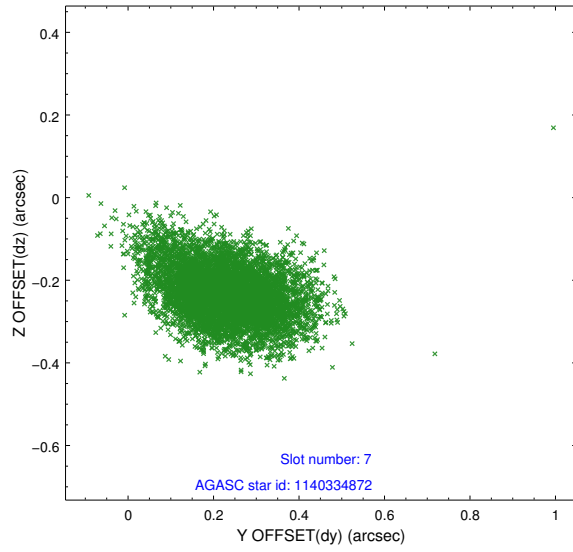
2.4.3 Slot 5



2.4.4 Slot 6

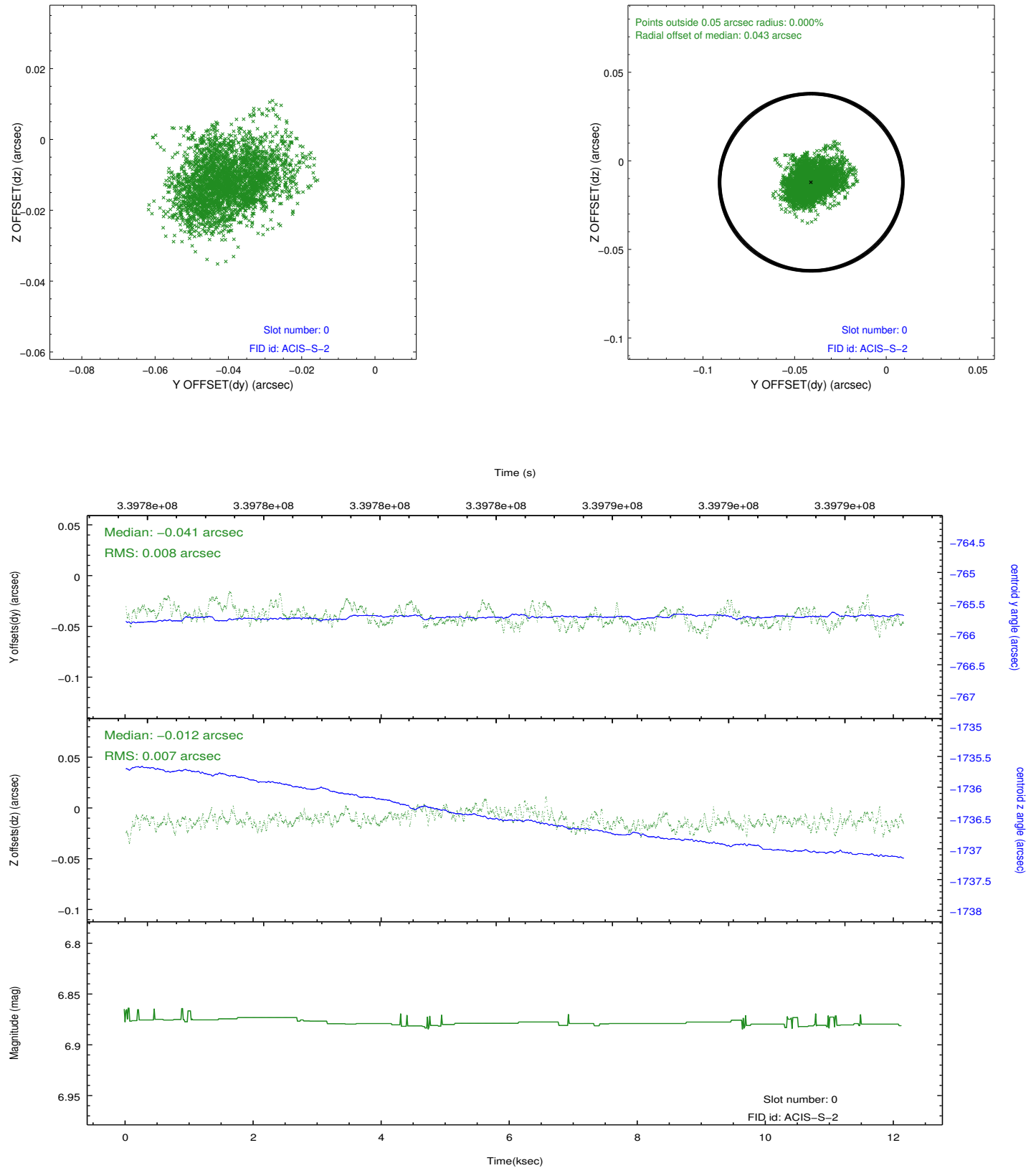


2.4.5 Slot 7

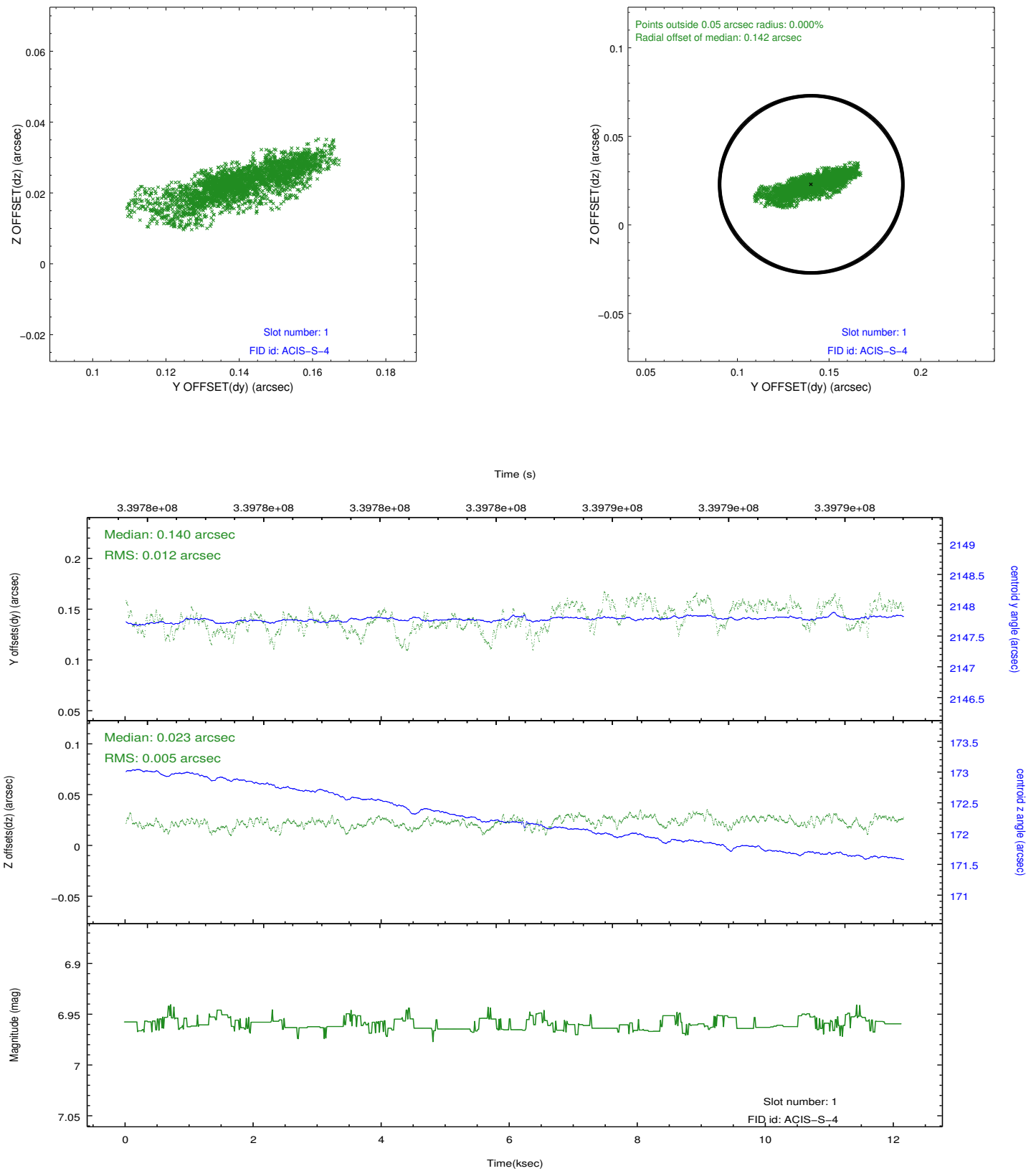


2.5 FID Slots

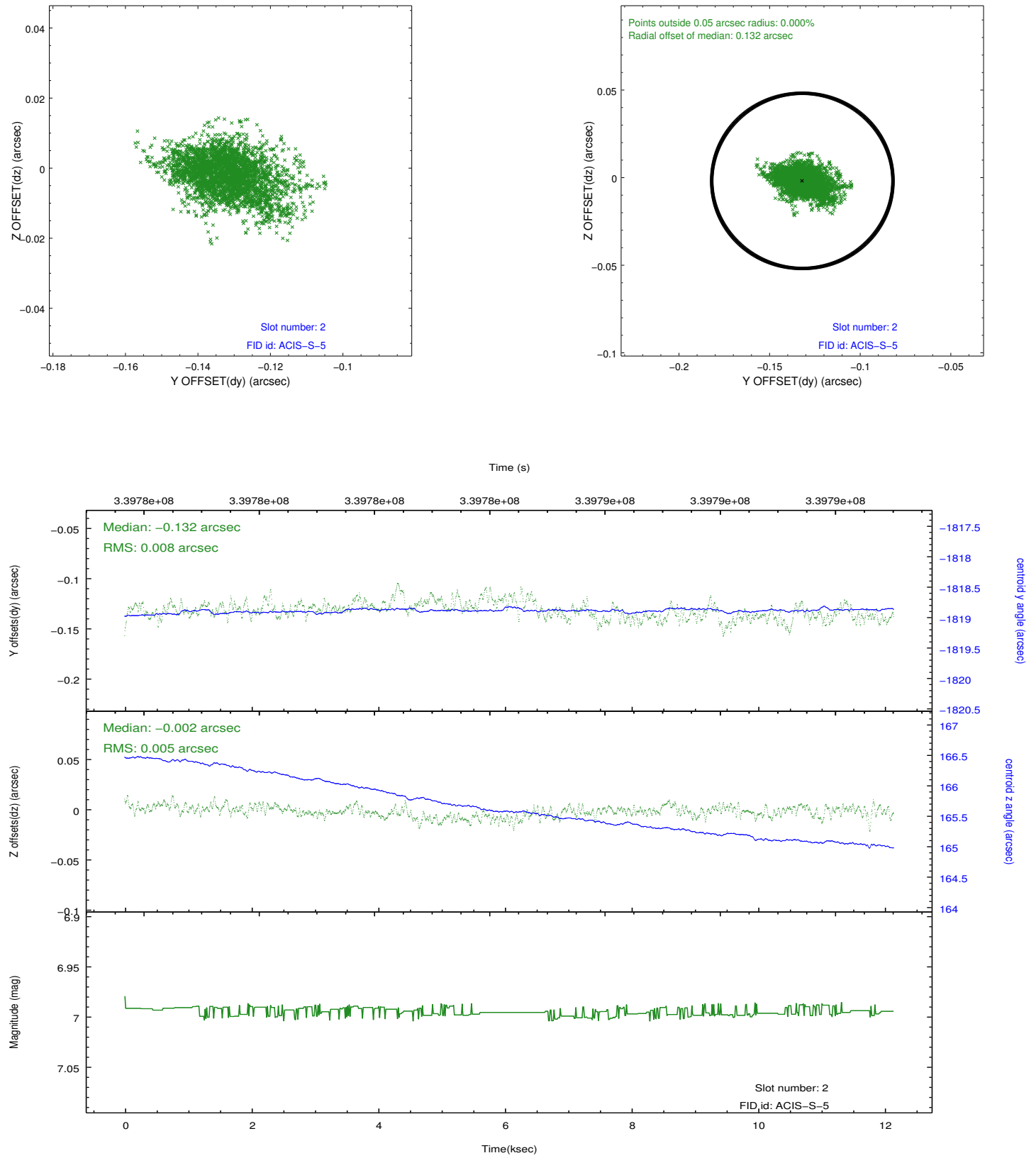
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Joy Nichols
V&V Date (YYYY-MM-DD)	2012.05.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.14125

A.2 Comments