

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17761 - L2 Version 1
Chandra X-Ray Center

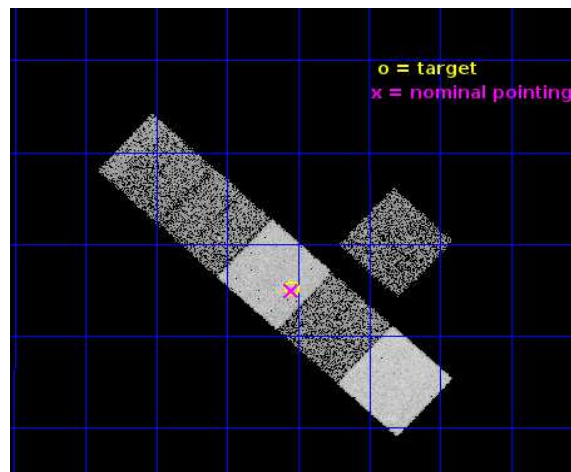
L2 Processing Date : May 13 2016

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1 Front

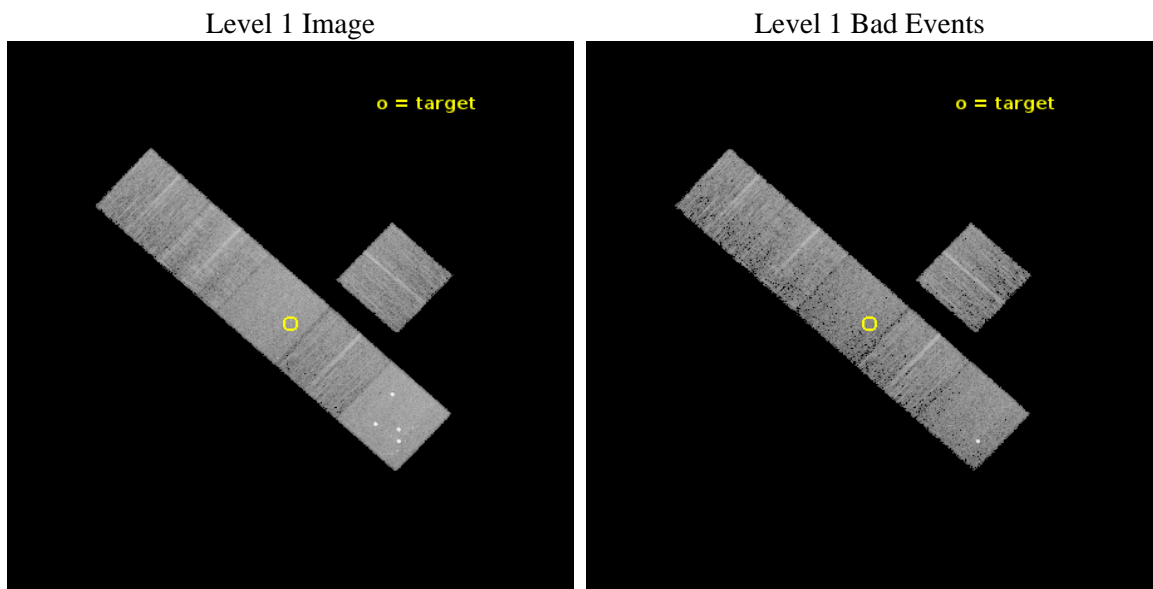
seq_num	201070	Sequence number
obs_id	17761	Observation id
title	Understanding the Rotation/Activity Relation: A New Low-Mass, Extreme-Spin Sample	Proposal title
observer	Peter Williams	Principal investigator
object	2MASS J13413291+0805048	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	205.385833	Observer's specified target RA [deg]
dec_targ	8.084611	Observer's specified target Dec [deg]
ra_nom	205.38701668724	Nominal RA [deg]
dec_nom	8.0823428249593	Nominal Dec [deg]
roll_nom	222.62970349641	Nominal Roll [deg]
revision	1	Processing version of data
ontime	7490.9073101282	Sum of GTIs [s]
livetime	7396.0529312845	Livetime [s]
ontime2	7490.743150115	Sum of GTIs [s]
ontime5	7490.8662700653	Sum of GTIs [s]
ontime6	7490.8252301216	Sum of GTIs [s]
ontime7	7490.9073101282	Sum of GTIs [s]
ontime8	7490.7841900587	Sum of GTIs [s]
ontime9	7490.9483500719	Sum of GTIs [s]
l2events	79652	Number of level 2 events



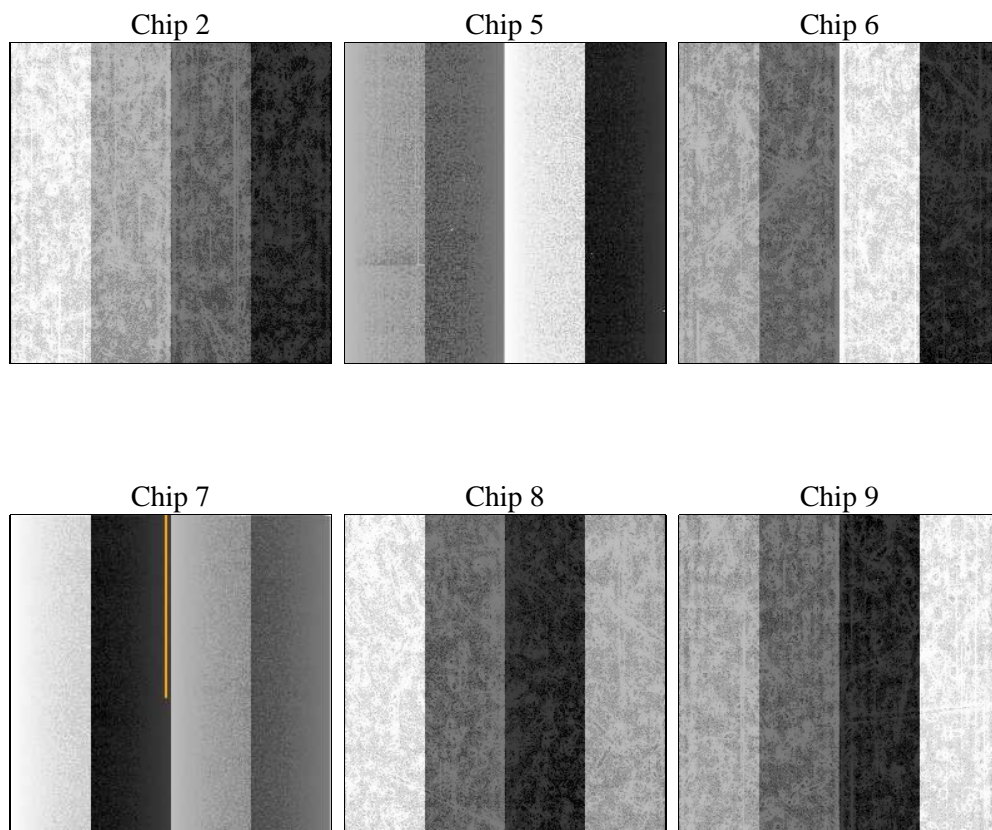
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	7570.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	7490.9073101282	Sum of GTIs [s]
caldsver	4.7.1	 	ontime2	7490.743150115	Sum of GTIs [s]
date	2016-05-13T13:48:06	Date and time of file creation	ontime5	7490.8662700653	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	7490.8252301216	Sum of GTIs [s]
			ontime7	7490.9073101282	Sum of GTIs [s]
			ontime8	7490.7841900587	Sum of GTIs [s]
			ontime9	7490.9483500719	Sum of GTIs [s]
			l1events	350666	Number of level 1 events

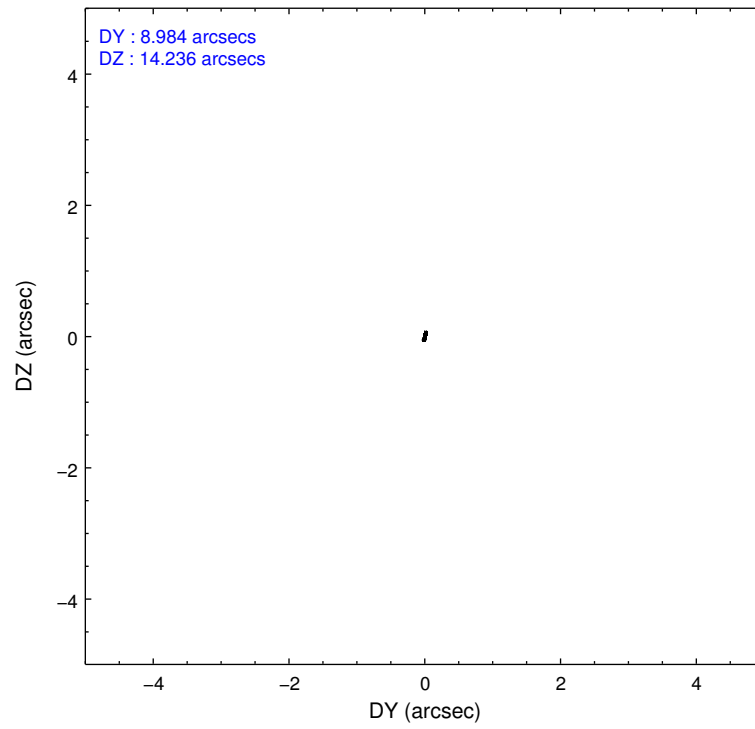
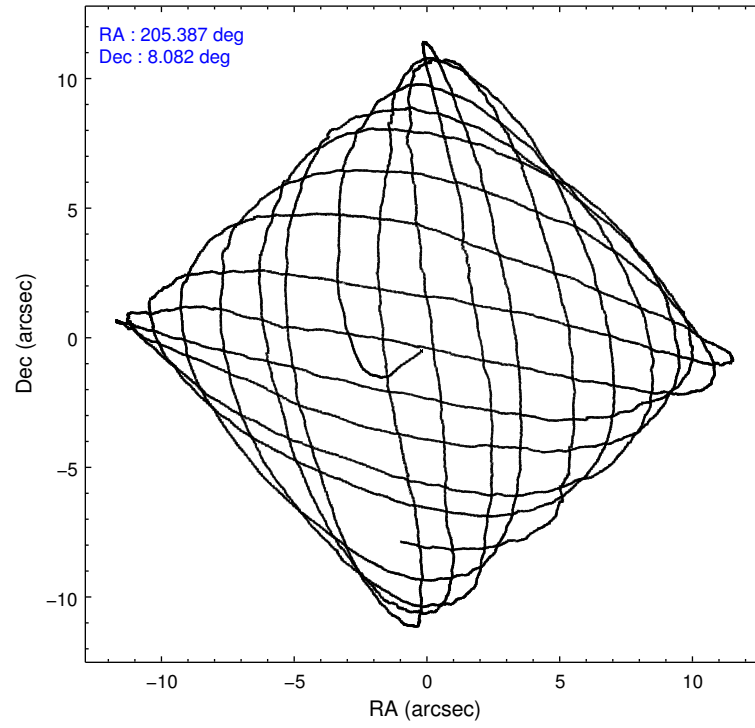
2.1.4 Events

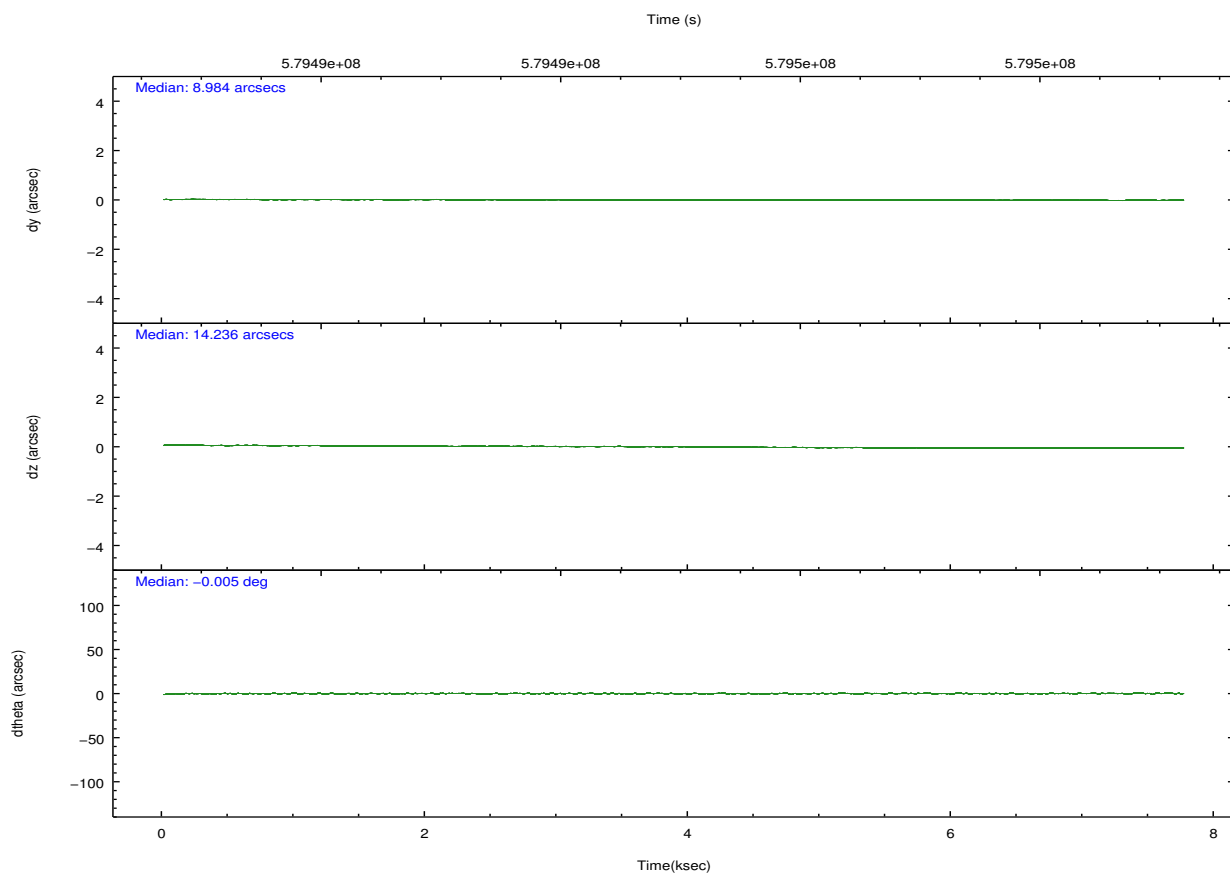
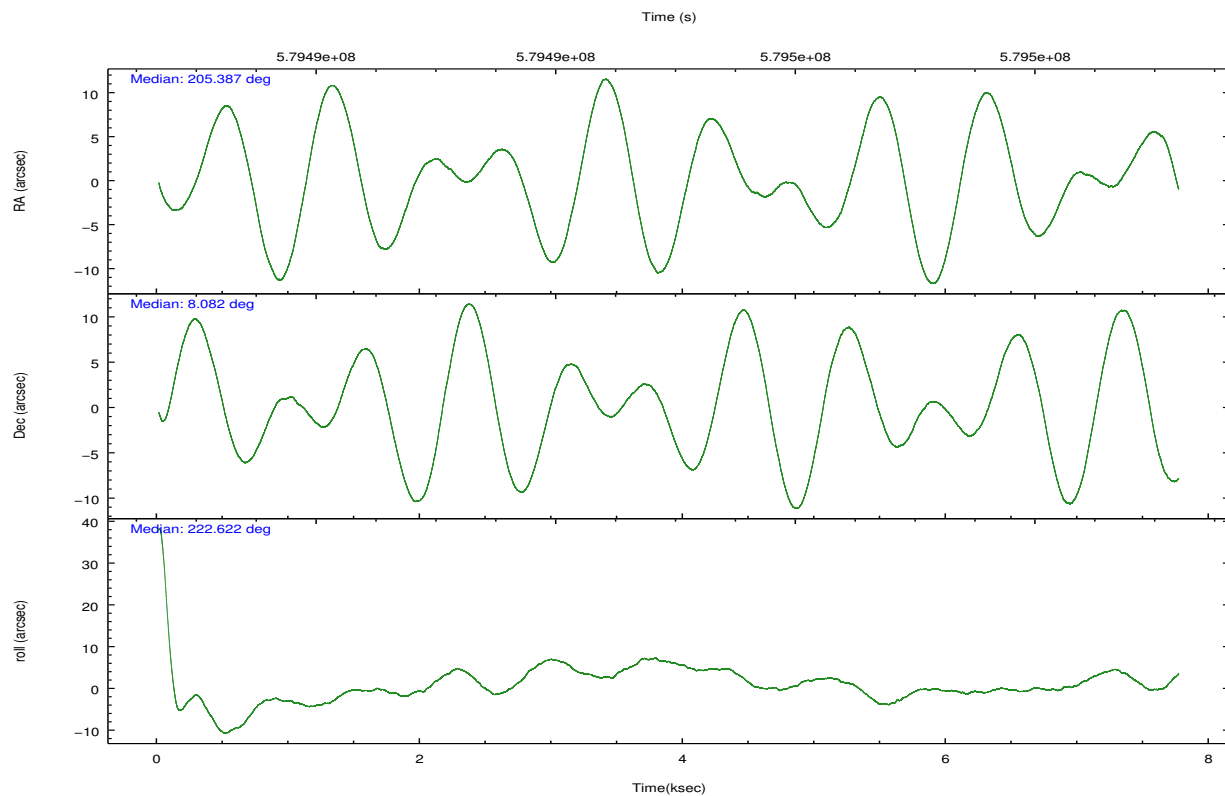
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	46314	84732	48437	62073	59904	49206	grade 0 events	1745	9020	1806	2258	4235	2169
rejected events	41409	41927	42976	35439	44719	43206		3%	10%	3%	3%	7%	4%
rejected %	89%	49%	88%	57%	74%	87%	grade 1 events	19	162	23	79	45	36
								0%	0%	0%	0%	0%	0%
							grade 2 events	1200	11392	1284	5708	3751	1367
								2%	13%	2%	9%	6%	2%
							grade 3 events	502	1148	553	2100	1568	606
								1%	1%	1%	3%	2%	1%
							grade 4 events	501	1093	502	2129	1449	584
								1%	1%	1%	3%	2%	1%
							grade 5 events	1835	5246	2205	6019	3431	2609
								3%	6%	4%	9%	5%	5%
							grade 6 events	964	20212	1328	14461	4193	1276
								2%	23%	2%	23%	6%	2%
							grade 7 events	39548	36459	40736	29319	41232	40559
								85%	43%	84%	47%	68%	82%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-256789	ACIS-256789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	205.394880	205.3870166872392	CCD I2 on	O1	Y
[deg] Pointing Dec	8.108604	8.082342824959335	CCD I3 on	N	N
[deg] Pointing Roll	222.471892	222.6297034964137	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O3	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	O5	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	O4	Y
[s] Observation start time (MET)	579491277.184000	579489698.26808	CCD S5 on	O2	Y
Observation start date	2016-05-13T01:46:49	2016-05-13T01:21:38	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	579498847.184000	579499505.46864	On-chip summing requested	N	N
Observation end date	2016-05-13T03:52:59	2016-05-13T04:05:05	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



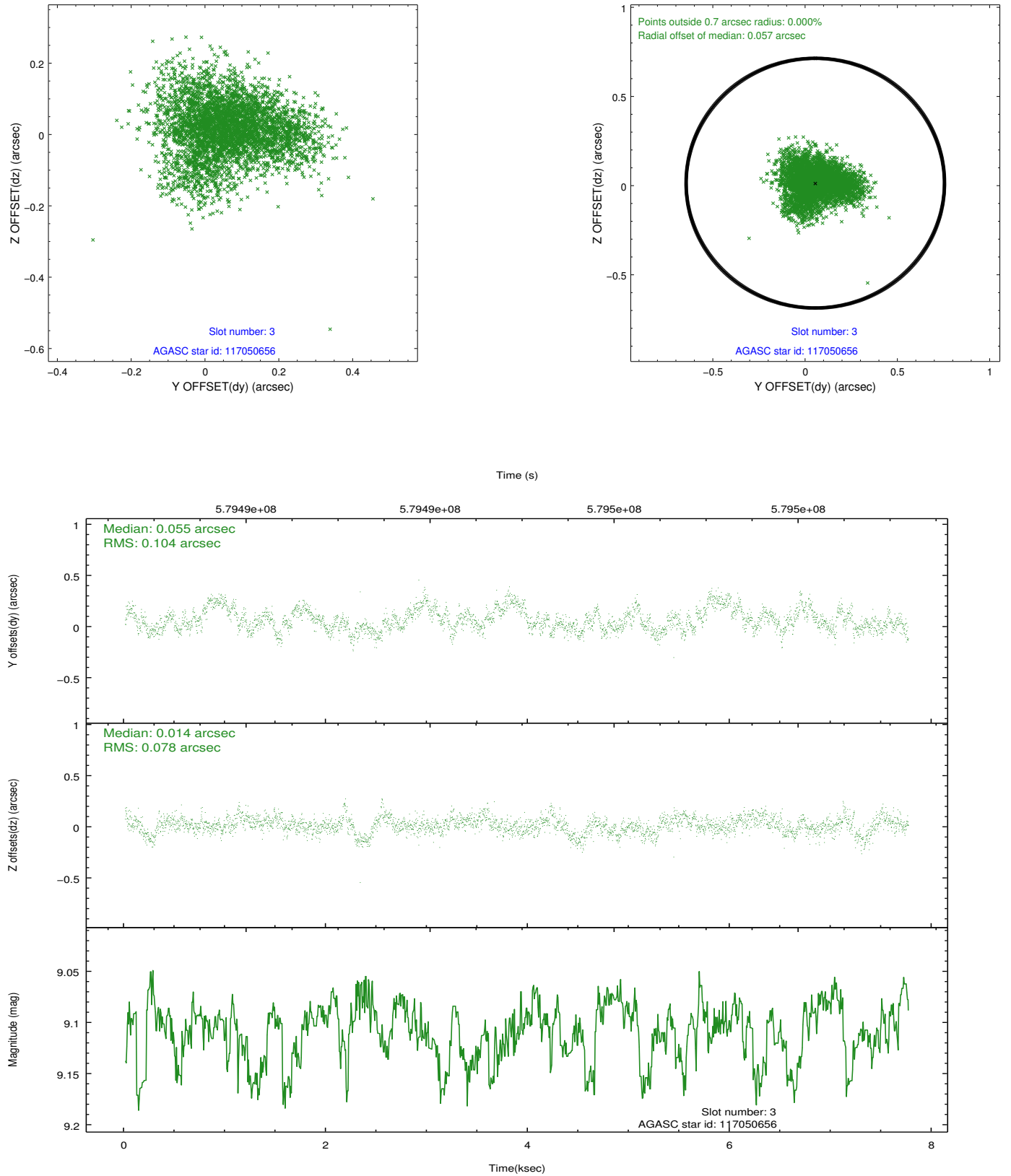


Slot Statistics

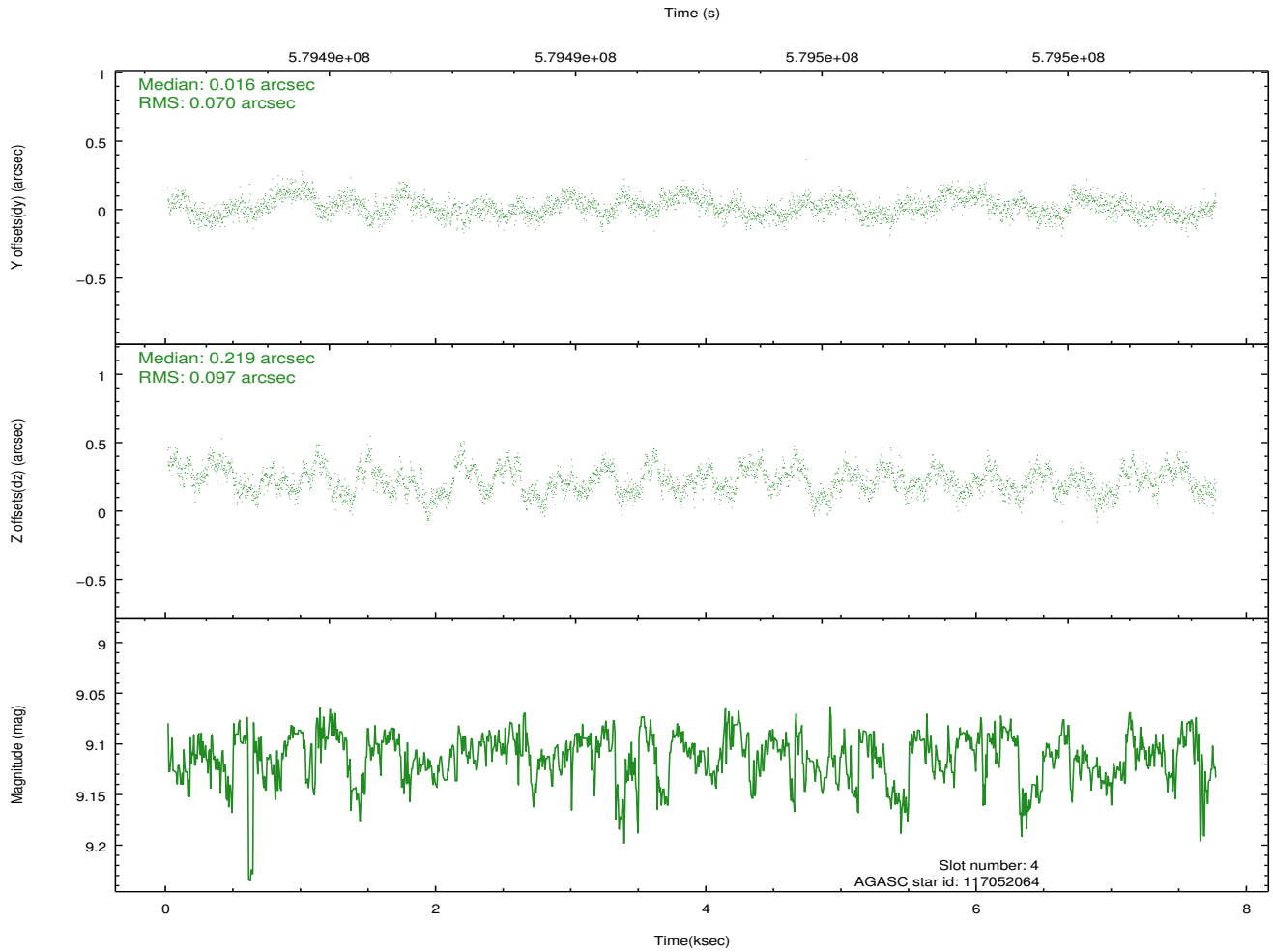
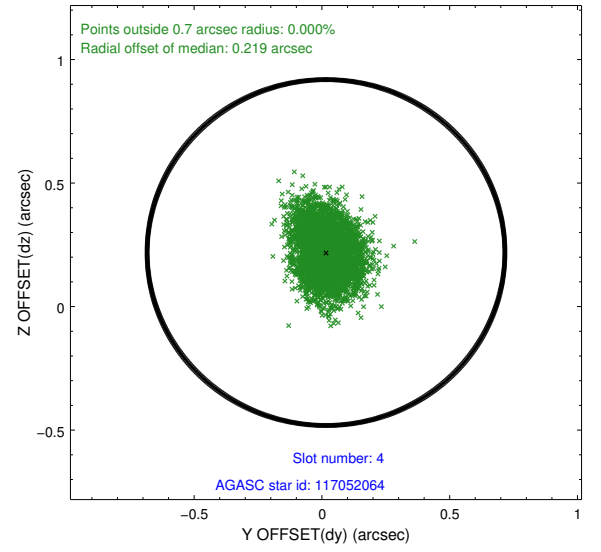
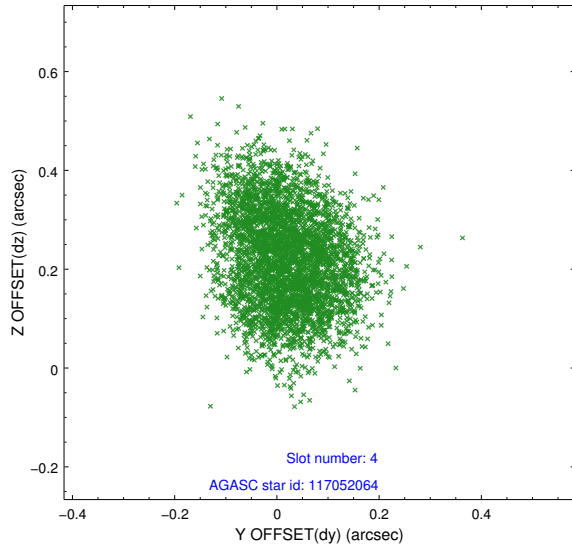
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.13	1892	-0.123	-0.080	0.007	0.011	0.000000	0.000000	-761.90	-1735.62
1	FID		ACIS-S-4	7.23	1892	0.357	0.081	0.006	0.010	0.000000	0.000000	2151.51	172.29
2	FID		ACIS-S-5	7.24	1892	-0.265	0.008	0.007	0.011	0.000000	0.000000	-1813.96	166.68
3	GUIDE	used	117050656	9.11	3781	0.055	0.014	0.140	0.226	204.712174	8.242139	1469.29	-1998.87
4	GUIDE	used	117052064	9.11	3782	0.016	0.219	0.130	0.203	205.603821	8.169301	-695.87	341.18
5	GUIDE	used	117053408	9.77	3784	-0.032	-0.146	0.358	0.507	205.325373	7.610899	1392.65	1153.85
6	GUIDE	used	117054112	9.52	3782	0.050	0.105	0.180	0.271	205.585701	7.974210	-173.71	816.78
7	GUIDE	used	117056080	9.14	3784	-0.053	-0.185	0.186	0.280	205.867201	7.693400	-234.32	2239.22

2.4 Star Slots

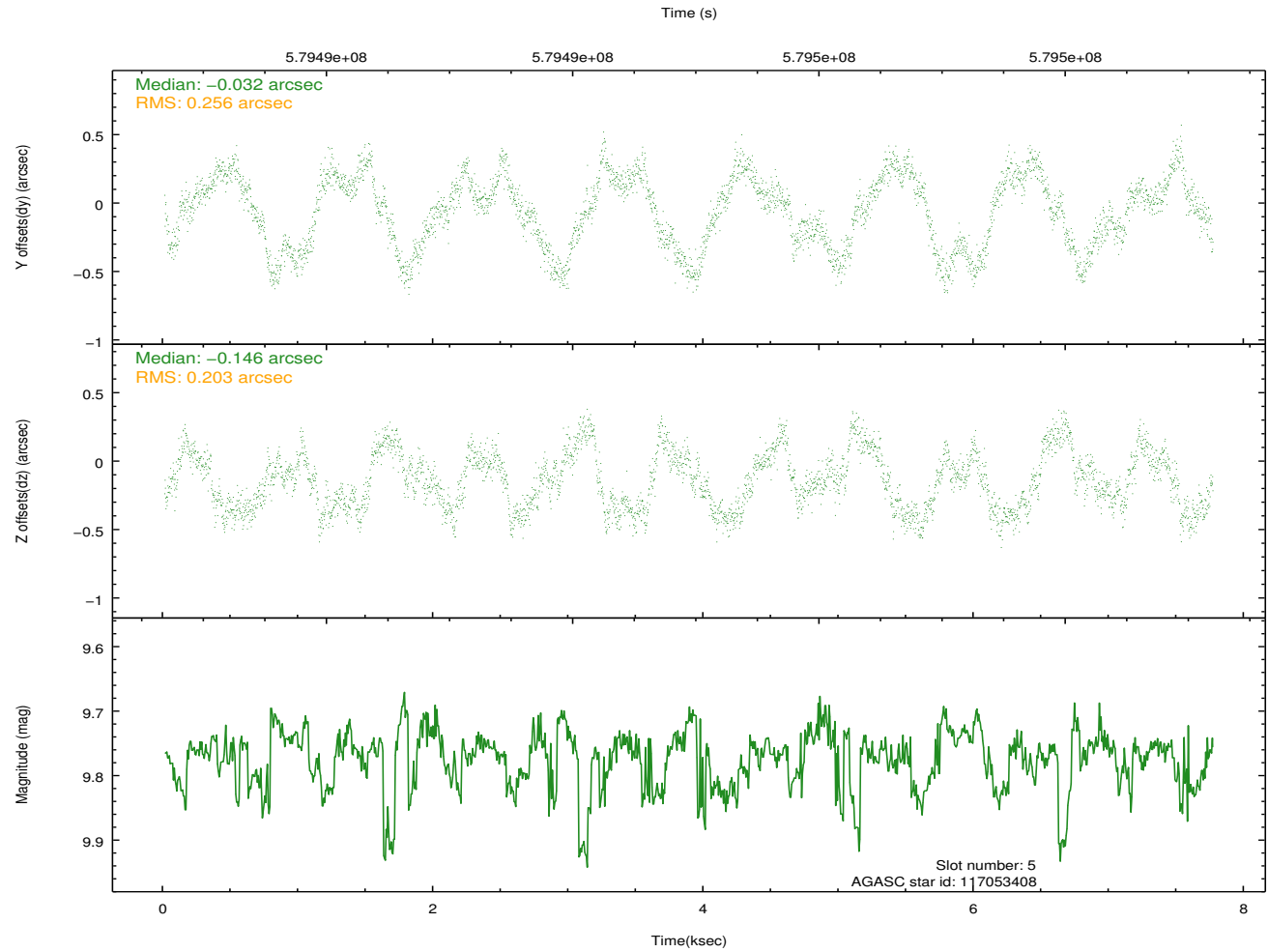
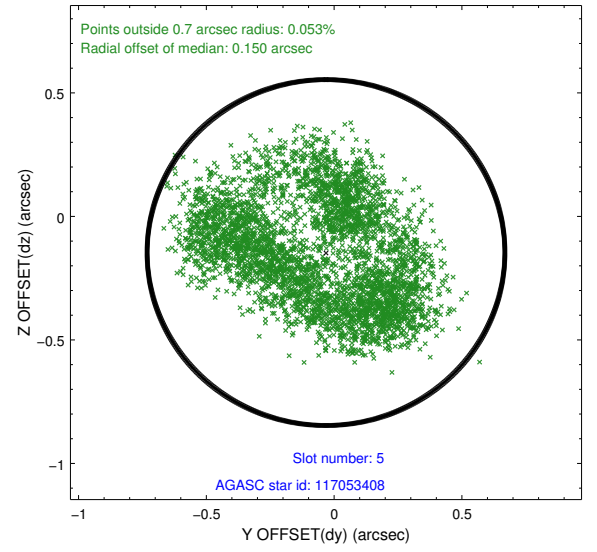
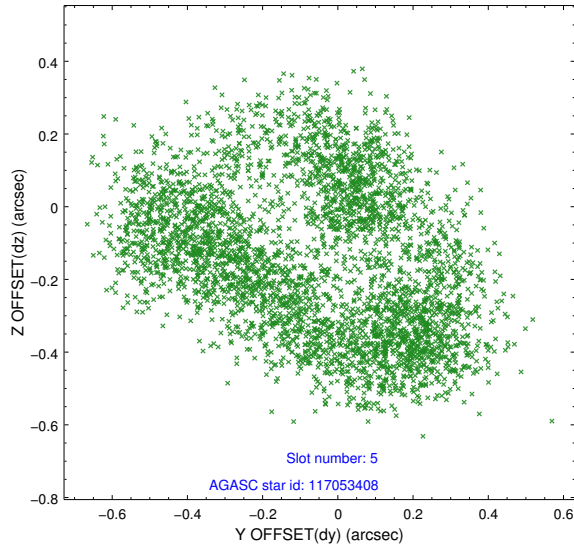
2.4.1 Slot 3



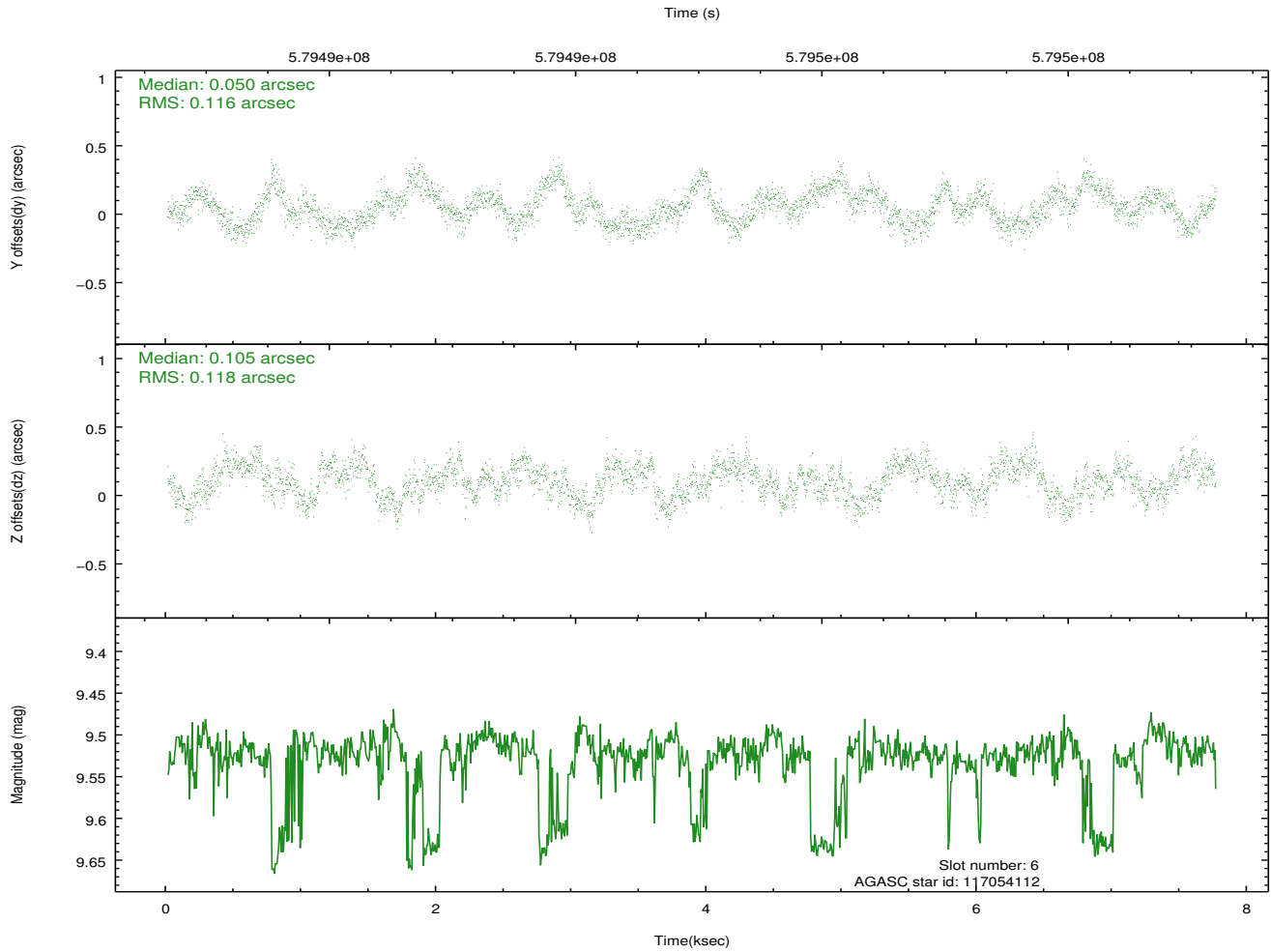
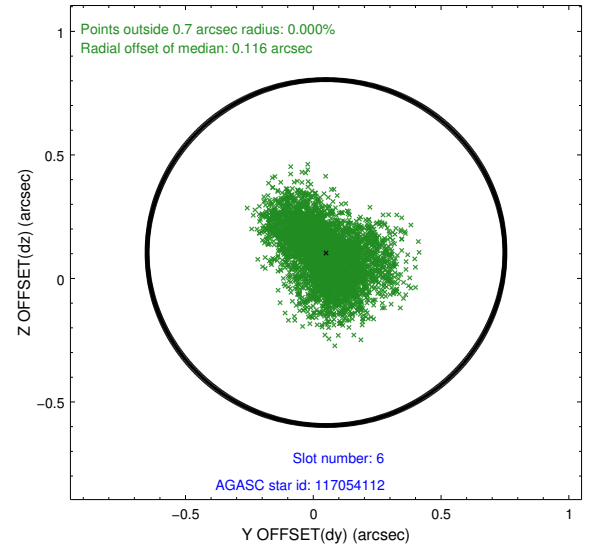
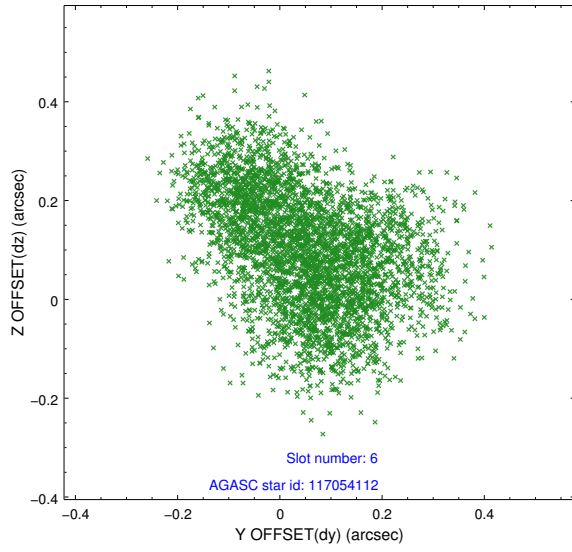
2.4.2 Slot 4



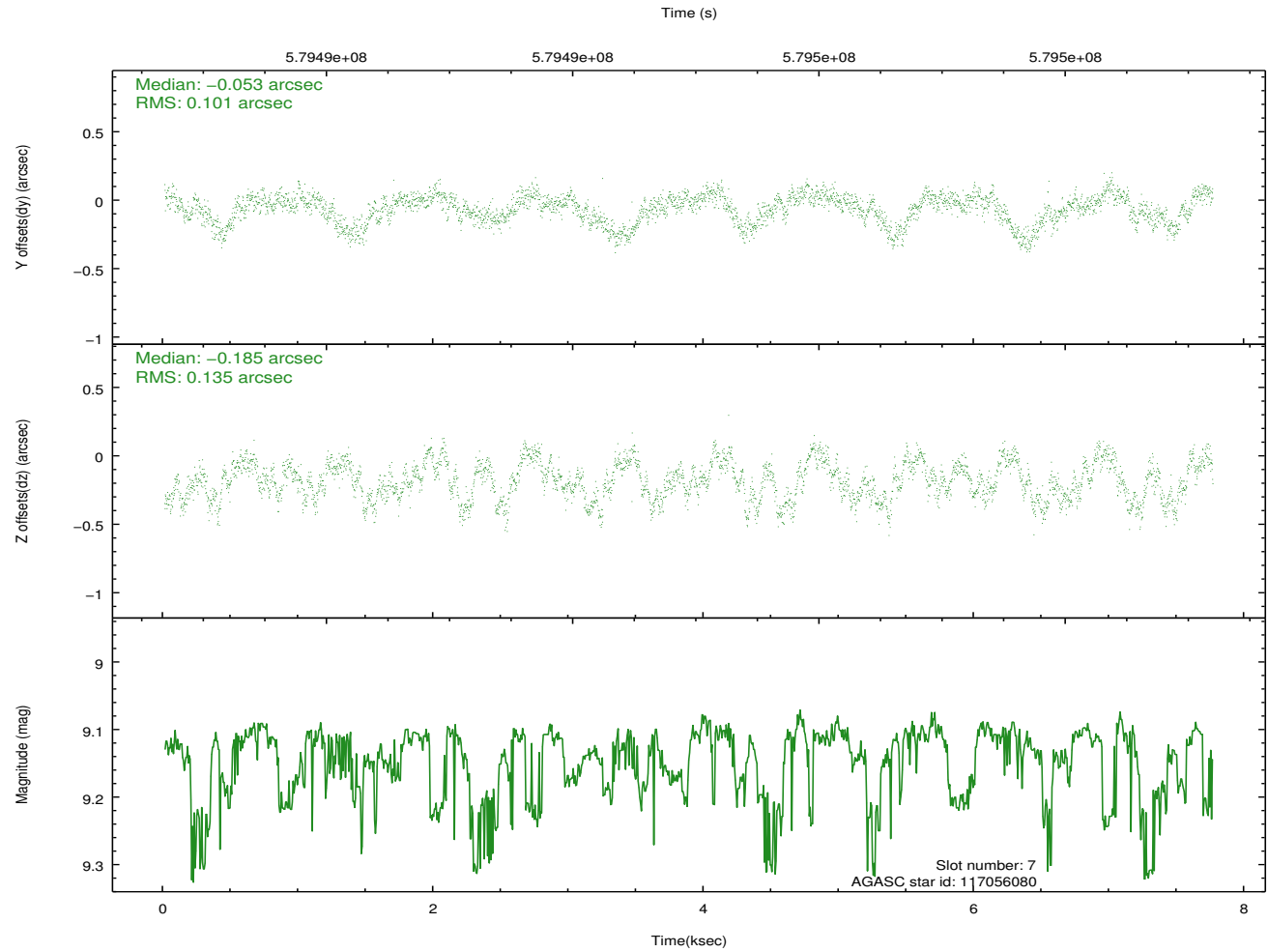
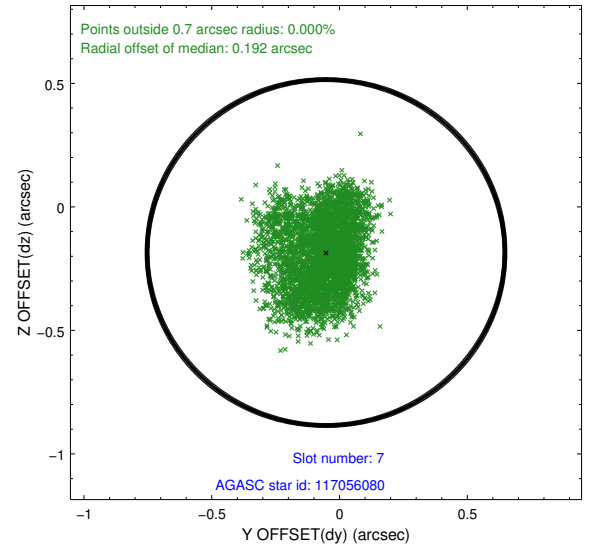
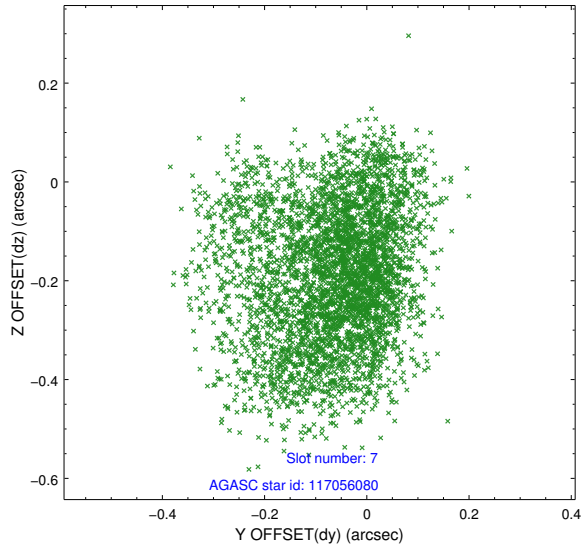
2.4.3 Slot 5



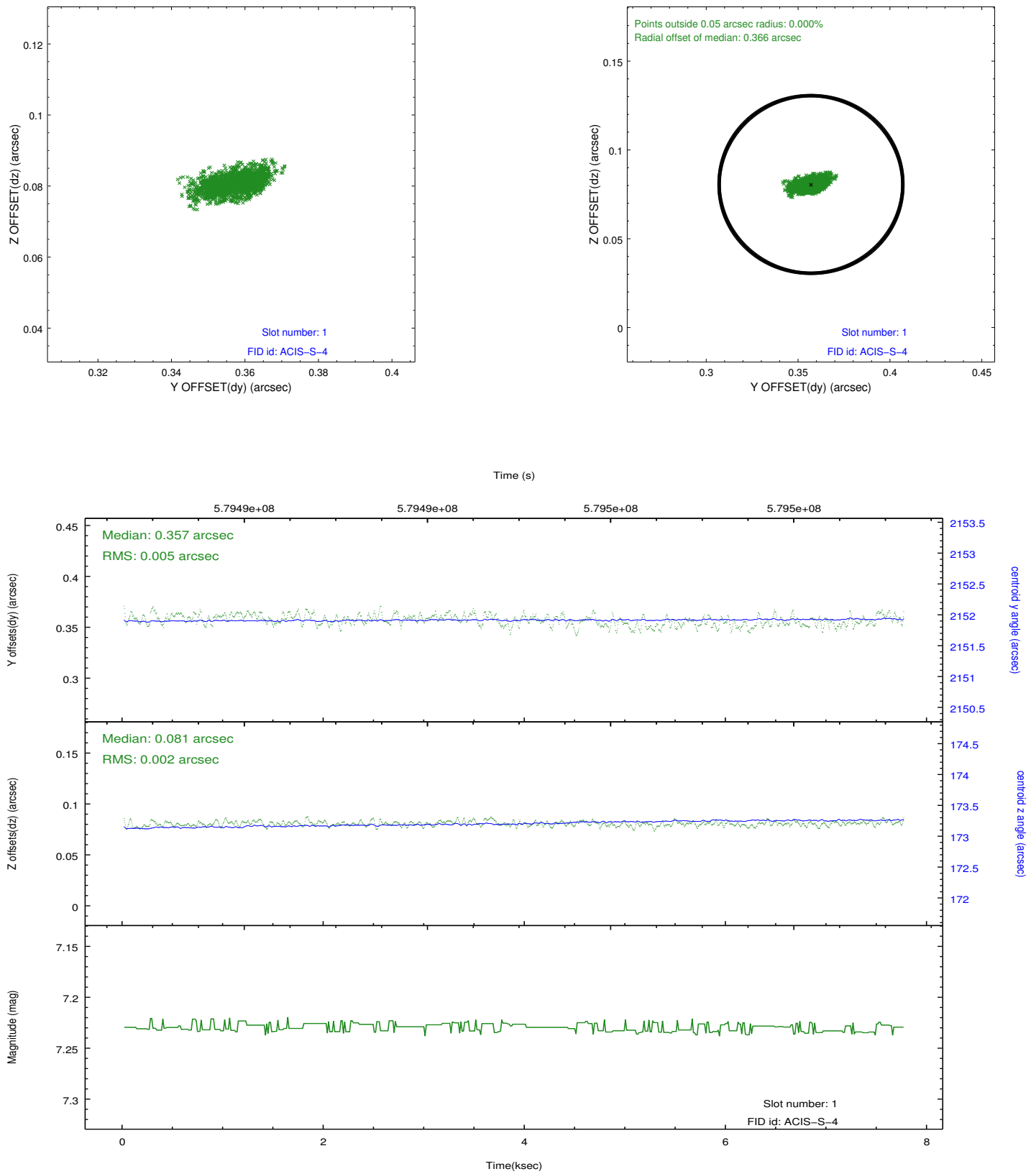
2.4.4 Slot 6



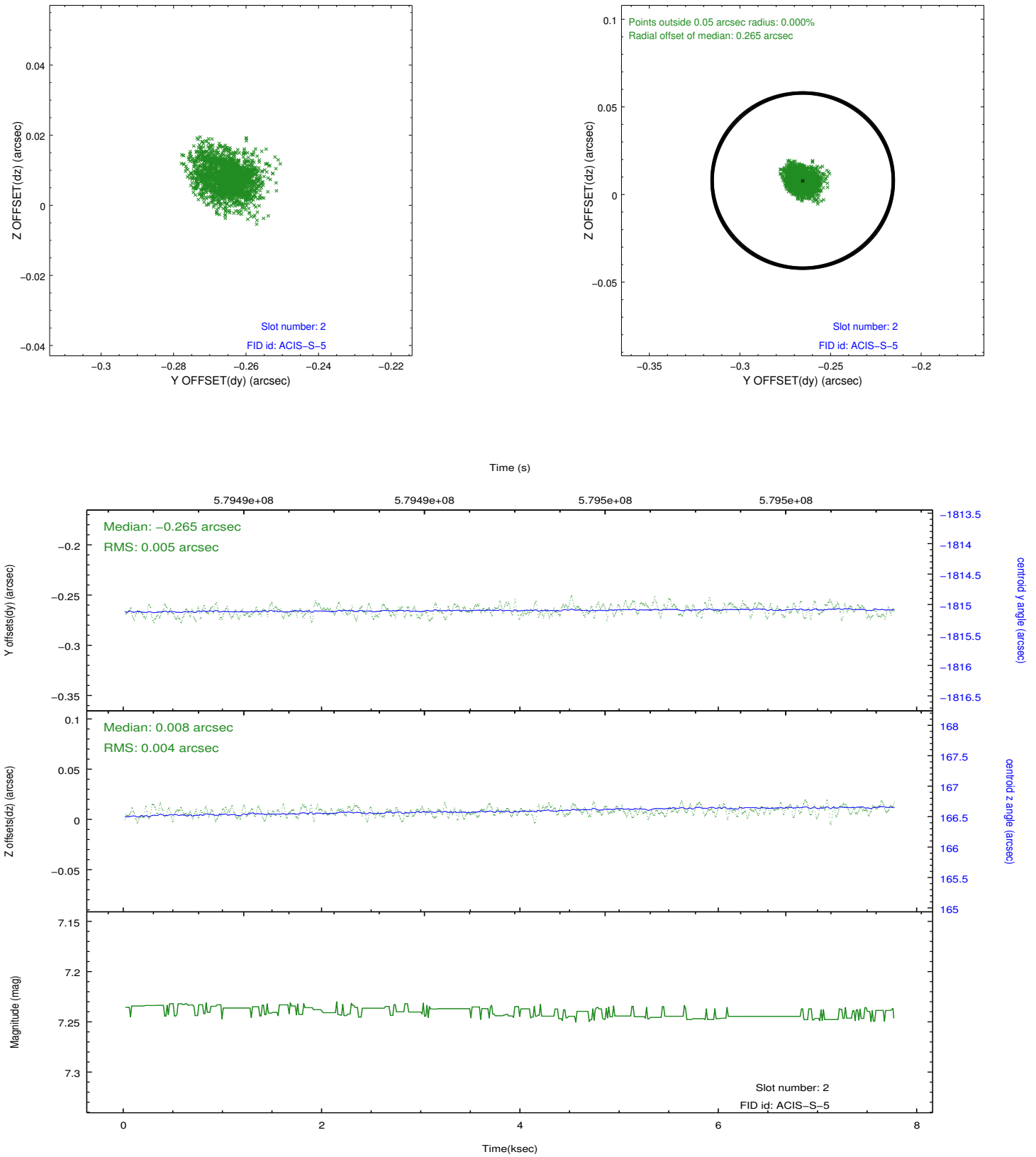
2.4.5 Slot 7



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.05.13
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.4909073101282

A.2 Comments

Joint Proposal: Swift