

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 17763 - L2 Version 1
Chandra X-Ray Center

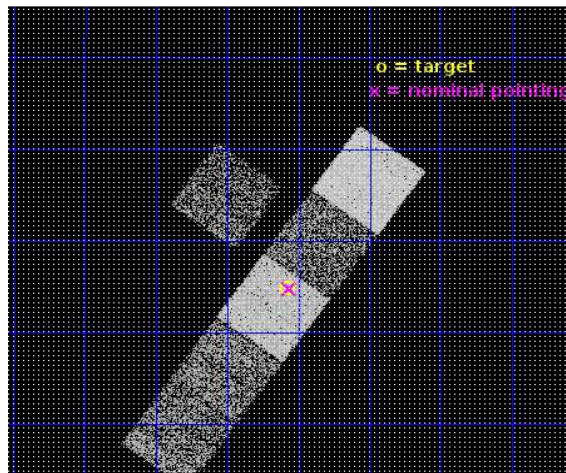
L2 Processing Date : Aug 17 2016

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1 Front

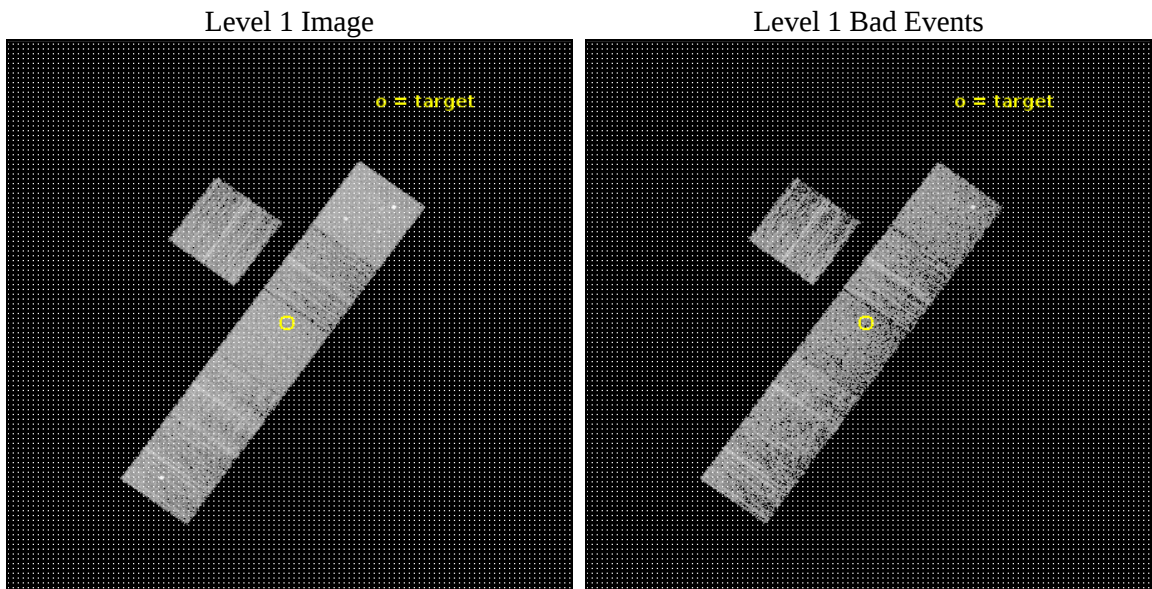
seq_num	201072	Sequence number
obs_id	17763	Observation id
title	Understanding the Rotation/Activity Relation: A New Low-Mass, Extreme-Spin Sample	Proposal title
observer	Peter Williams	Principal investigator
object	2MASS J23383392+0624518	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	354.643333	Observer's specified target RA [deg]
dec_targ	6.414806	Observer's specified target Dec [deg]
ra_nom	354.64099876052	Nominal RA [deg]
dec_nom	6.4135508791477	Nominal Dec [deg]
roll_nom	125.7169129555	Nominal Roll [deg]
revision	1	Processing version of data
ontime	4520.1351702213	Sum of GTIs [s]
livetime	4462.8984969973	Livetime [s]
ontime2	4519.9710102081	Sum of GTIs [s]
ontime5	4520.0941301584	Sum of GTIs [s]
ontime6	4520.0530902147	Sum of GTIs [s]
ontime7	4520.1351702213	Sum of GTIs [s]
ontime8	4520.0120501518	Sum of GTIs [s]
ontime9	4520.176210165	Sum of GTIs [s]
l2events	49386	Number of level 2 events



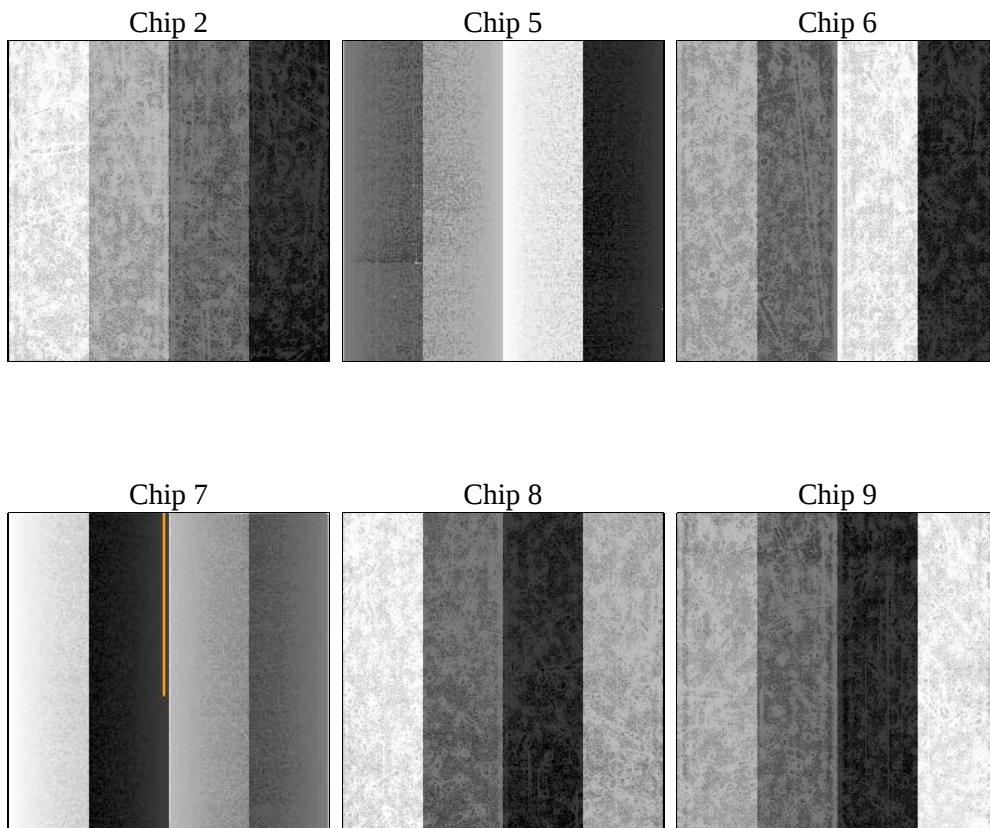
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	4580.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	4520.1351702213	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	4519.9710102081	Sum of GTIs [s]
date	2016-08-17T17:28:34	Date and time of file creation	ontime5	4520.0941301584	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	4520.0530902147	Sum of GTIs [s]
			ontime7	4520.1351702213	Sum of GTIs [s]
			ontime8	4520.0120501518	Sum of GTIs [s]
			ontime9	4520.176210165	Sum of GTIs [s]
			l1events	213990	Number of level 1 events

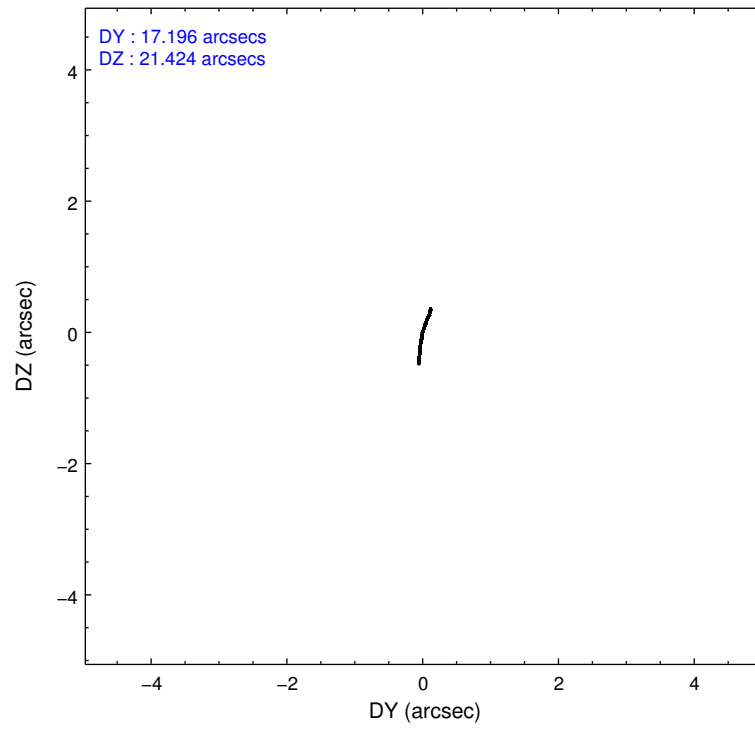
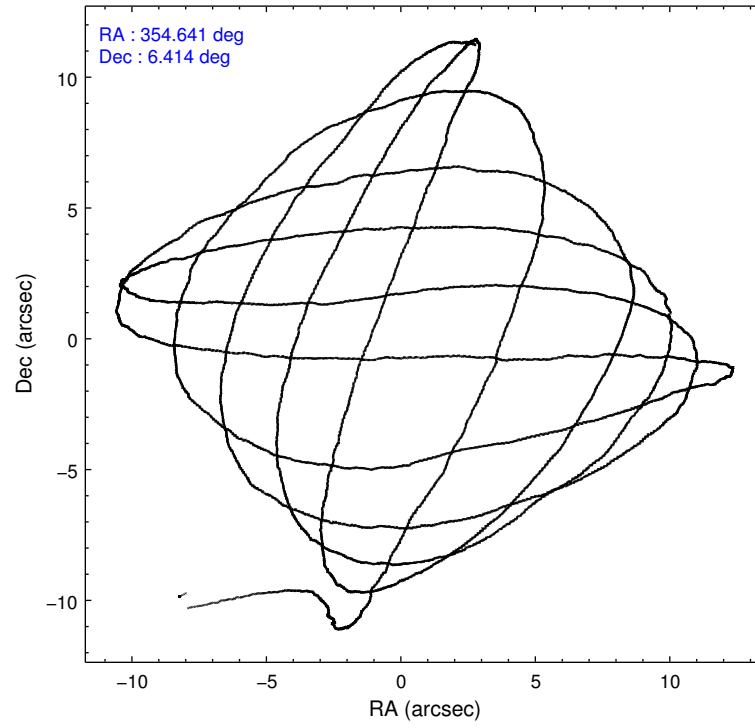
2.1.4 Events

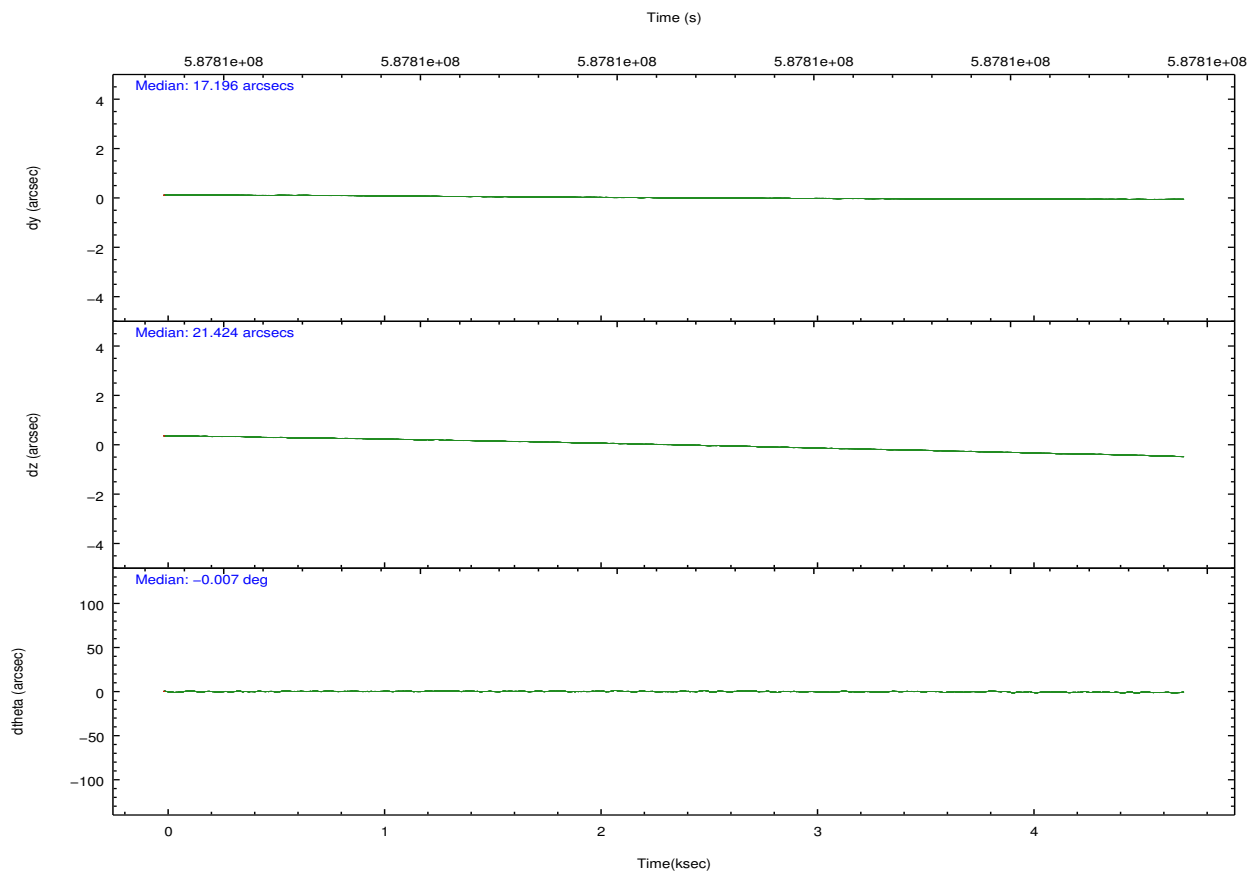
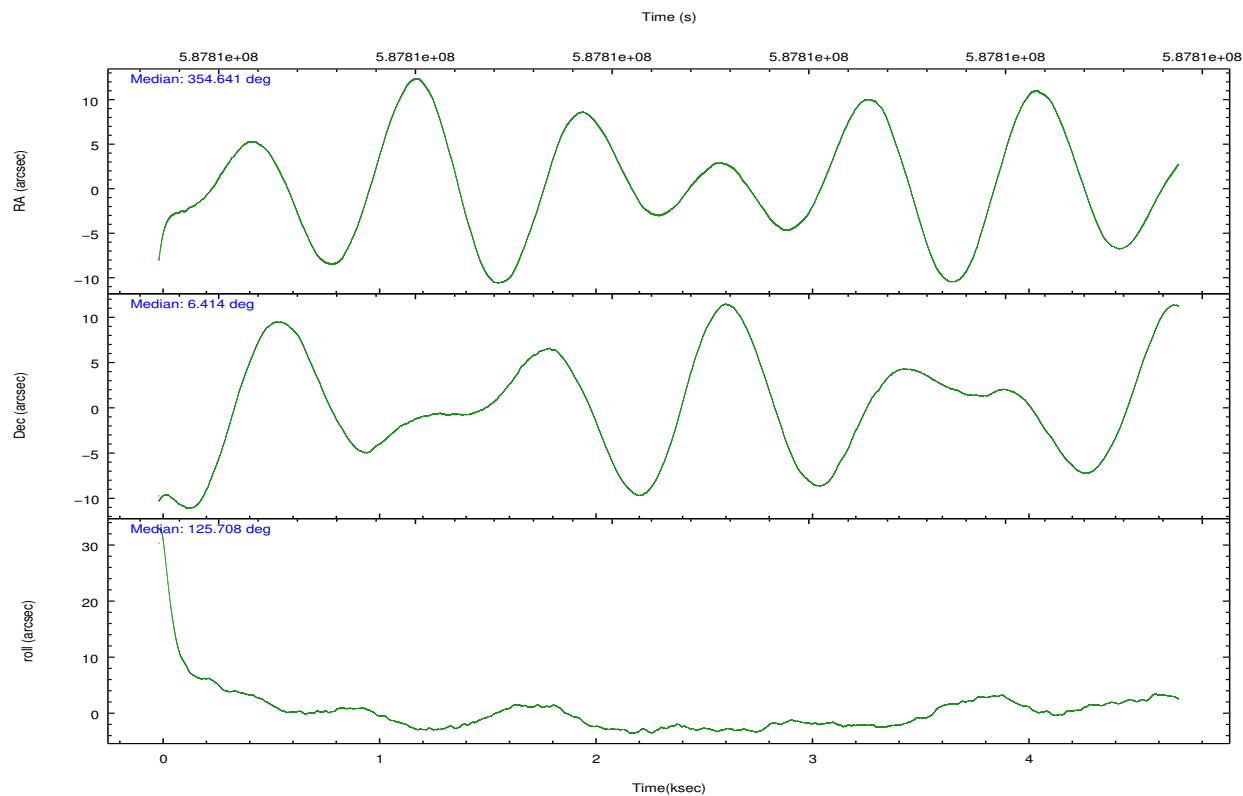
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9		ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	29009	47728	28962	37709	38504	32078	grade 0 events	1088	2444	1189	1420	3034	2678
rejected events	25997	24316	25545	21277	28156	26990		3%	5%	4%	3%	7%	8%
rejected %	89%	50%	88%	56%	73%	84%	grade 1 events	22	85	18	69	20	41
								0%	0%	0%	0%	0%	0%
							grade 2 events	724	7533	780	3483	2546	820
								2%	15%	2%	9%	6%	2%
							grade 3 events	313	731	335	1374	1037	362
								1%	1%	1%	3%	2%	1%
							grade 4 events	294	710	325	1341	969	404
								1%	1%	1%	3%	2%	1%
							grade 5 events	1062	3532	1527	3861	2123	1605
								3%	7%	5%	10%	5%	5%
							grade 6 events	594	12006	790	8820	2763	825
								2%	25%	2%	23%	7%	2%
							grade 7 events	24912	20687	23998	17341	26012	25343
								85%	43%	82%	45%	67%	79%

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	354.666415	354.6409987605238	CCD I2 on	O1	Y
[deg] Pointing Dec	6.402674	6.413550879147669	CCD I3 on	N	N
[deg] Pointing Roll	125.557378	125.7169129555037	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)	587806064.184000	587804789.84482	CCD S5 on	O2	Y
Observation start date	2016-08-17T07:26:36	2016-08-17T07:06:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	587810644.184000	587811662.47022	On-chip summing requested	N	N
Observation end date	2016-08-17T08:42:56	2016-08-17T09:01:02	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



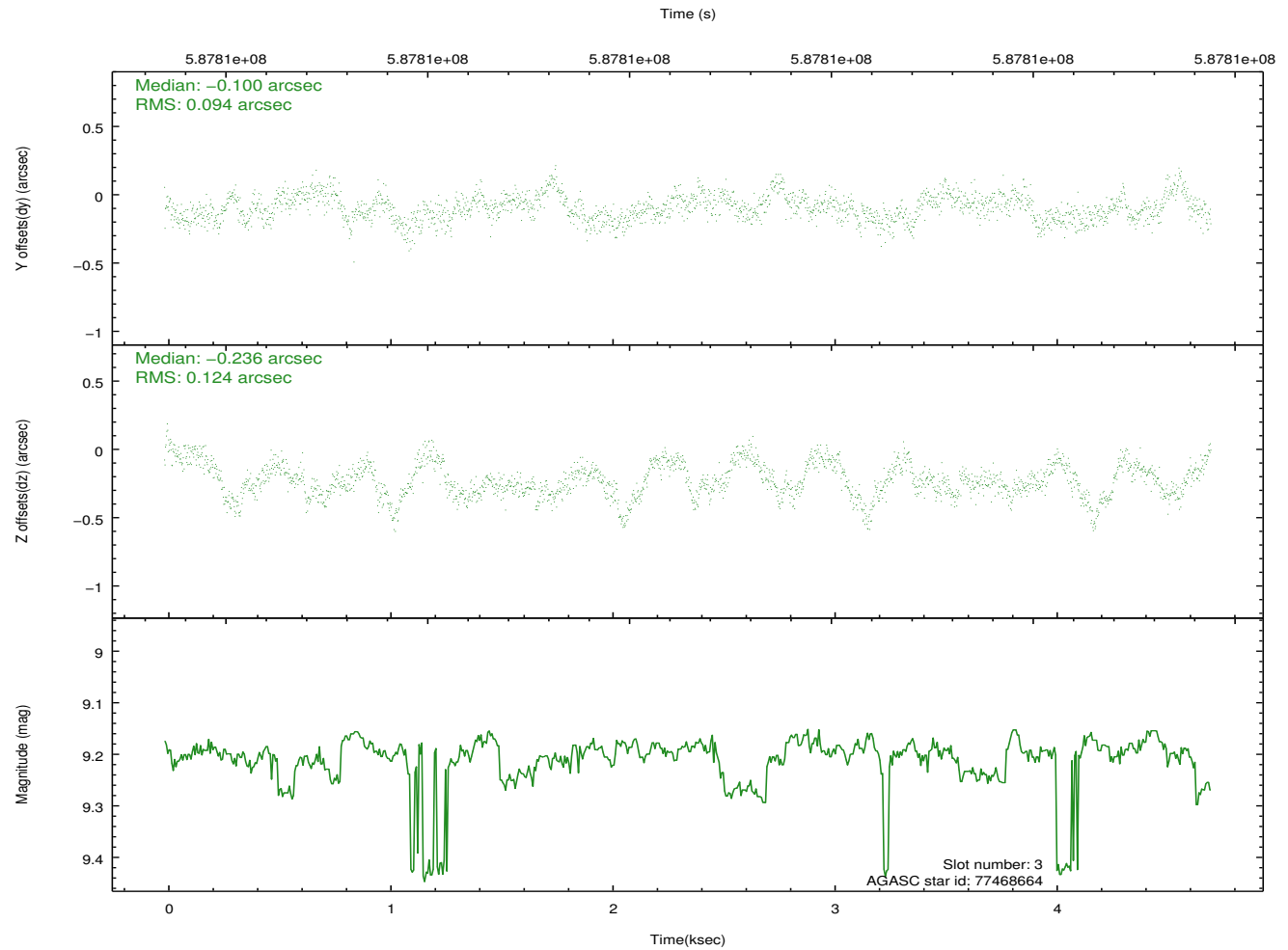
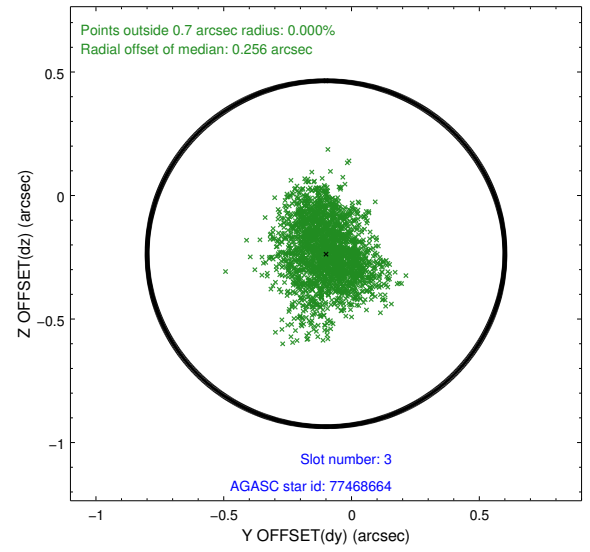
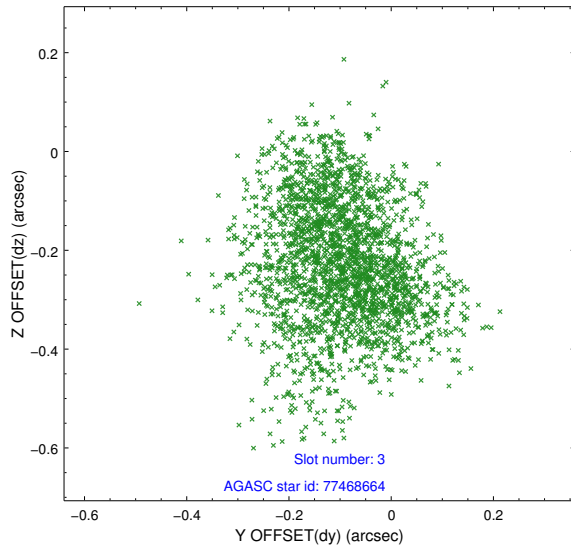


Slot Statistics

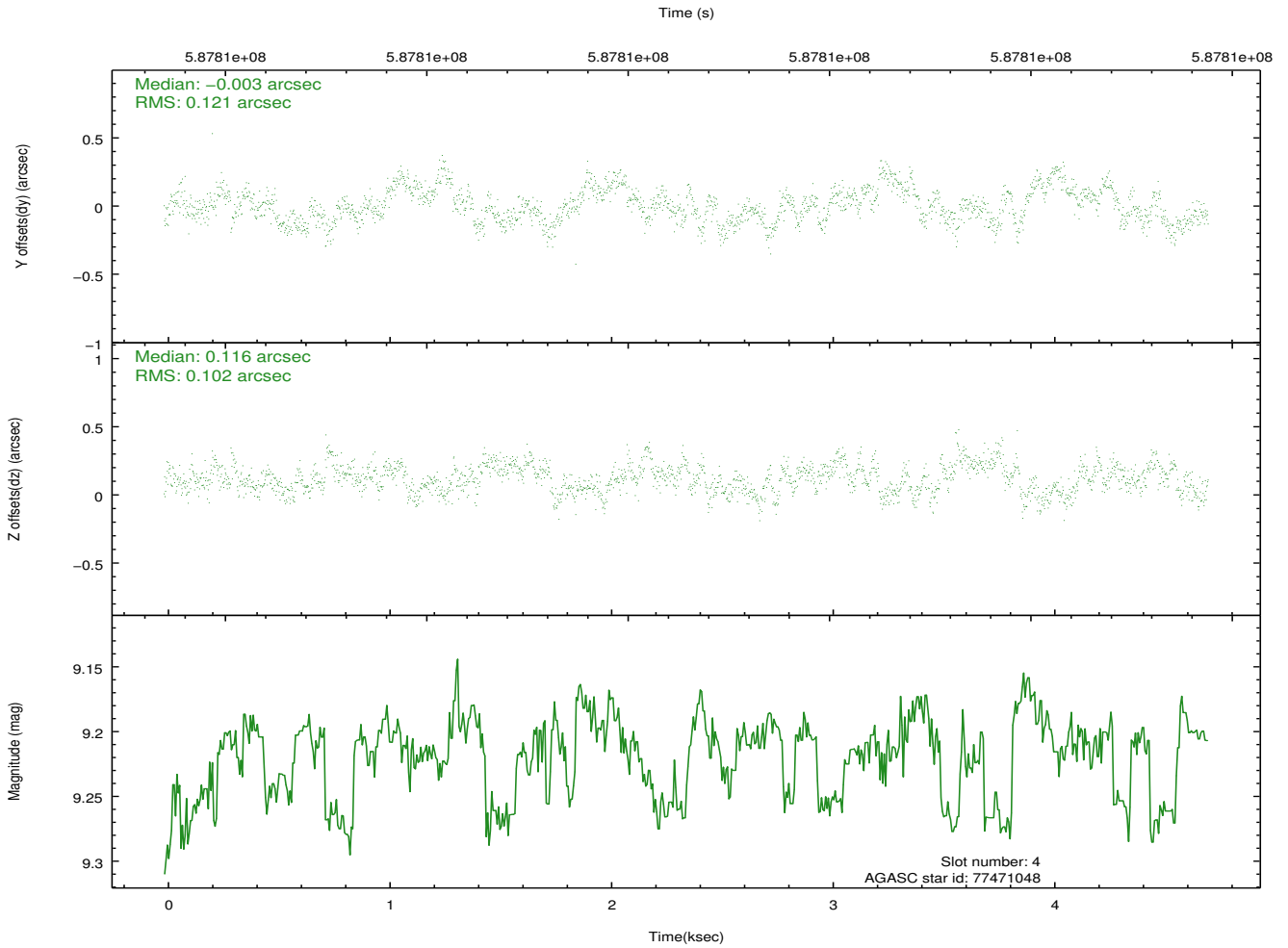
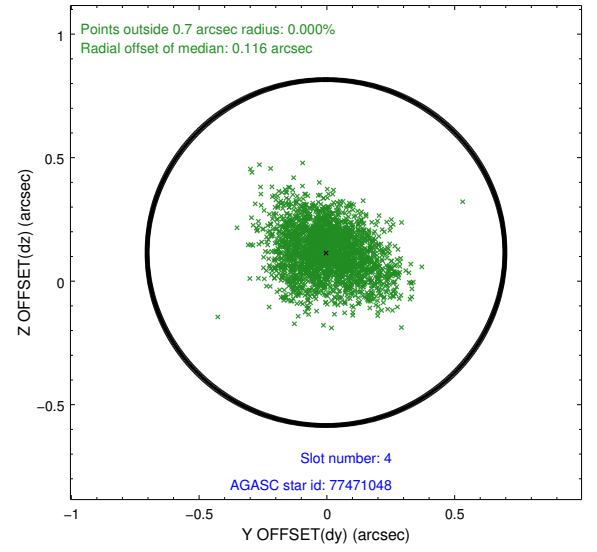
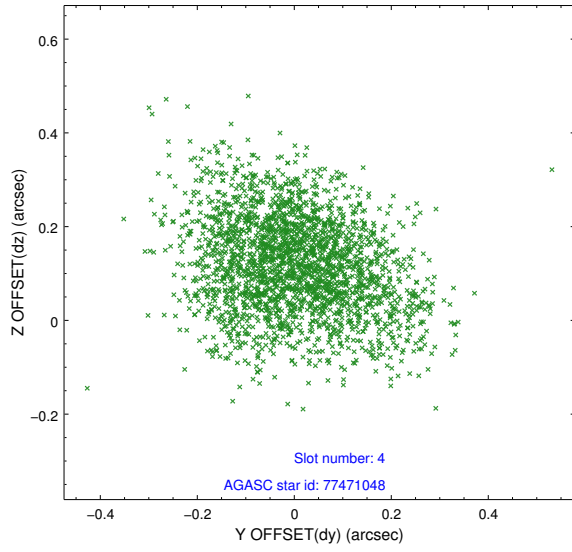
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.04	1150	0.123	-0.101	0.008	0.013	0.000000	0.000000	925.96	-1738.61
1	FID		ACIS-S-5	7.06	1150	-0.247	0.058	0.008	0.013	0.000000	0.000000	-1822.73	157.68
2	FID		ACIS-S-6	7.18	1150	0.103	0.055	0.010	0.018	0.000000	0.000000	390.02	803.16
3	GUIDE	used	77468664	9.20	2290	-0.100	-0.236	0.167	0.268	354.330262	6.832187	1957.21	78.49
4	GUIDE	used	77471048	9.22	2295	-0.003	0.116	0.169	0.274	354.845842	7.077648	1605.63	-1934.54
5	GUIDE	used	77476072	8.42	2297	-0.323	-0.207	0.089	0.144	354.260600	6.165607	151.13	1675.67
6	GUIDE	used	77600408	9.02	2296	0.423	0.669	0.124	0.196	355.402896	6.286046	-1871.74	-1901.81
7	GUIDE	used	77474912	9.25	2293	-0.010	-0.354	0.155	0.249	354.202208	5.916596	-457.42	2367.87

2.4 Star Slots

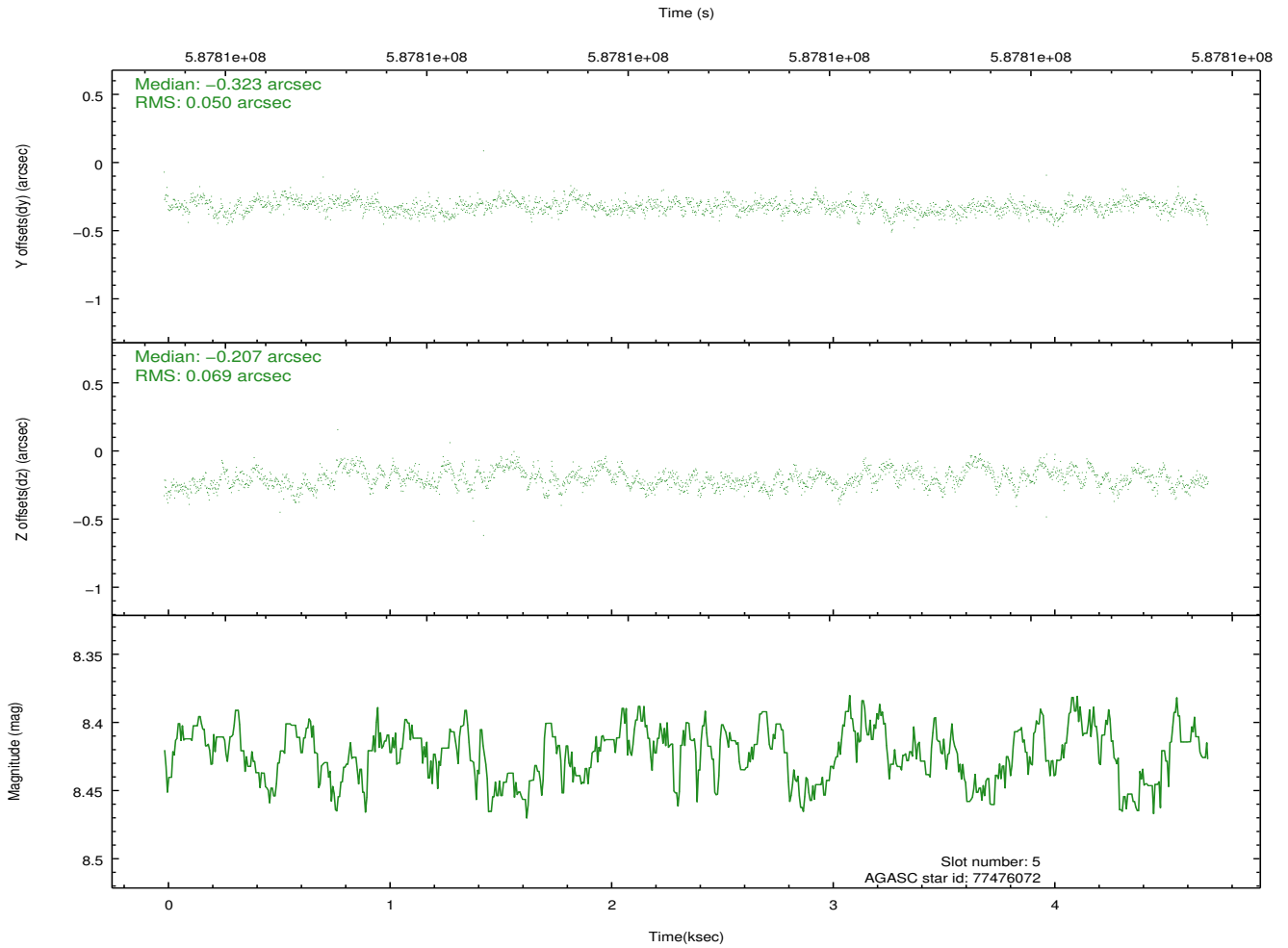
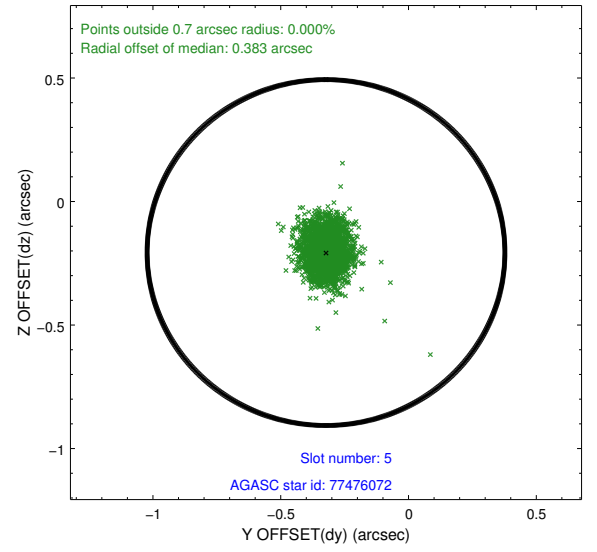
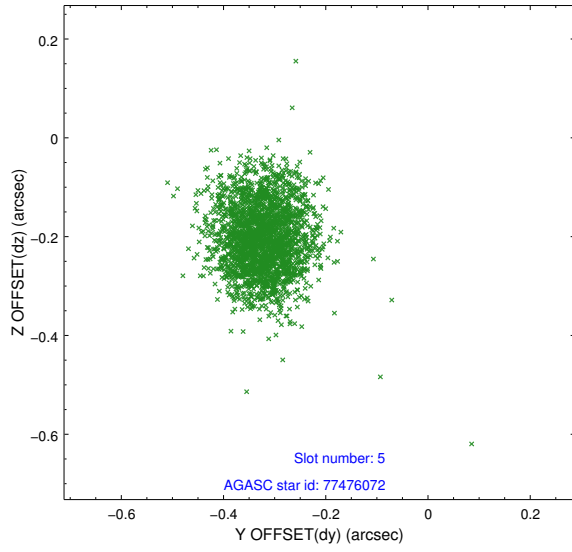
2.4.1 Slot 3



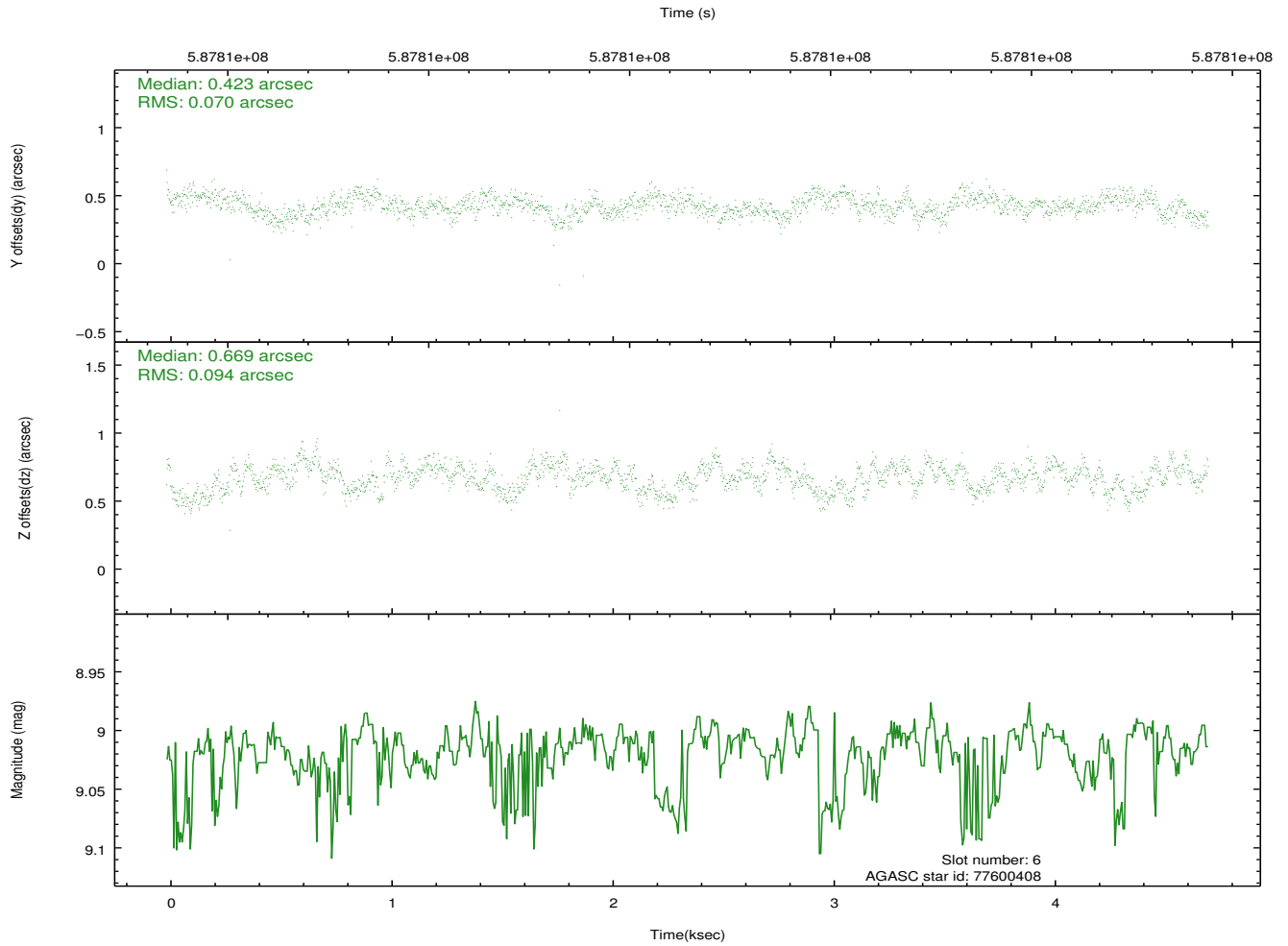
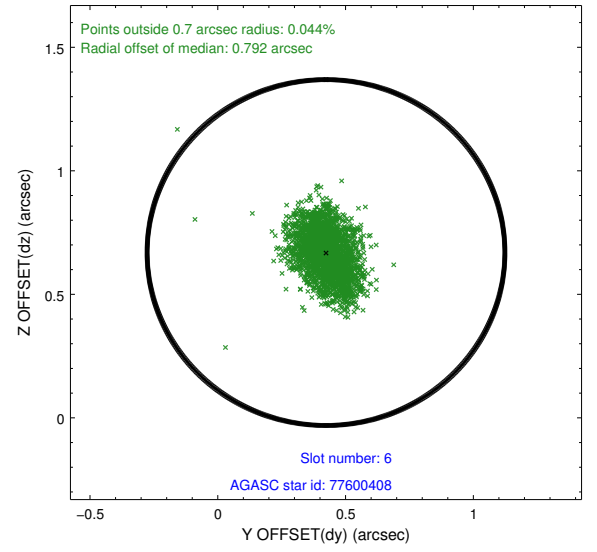
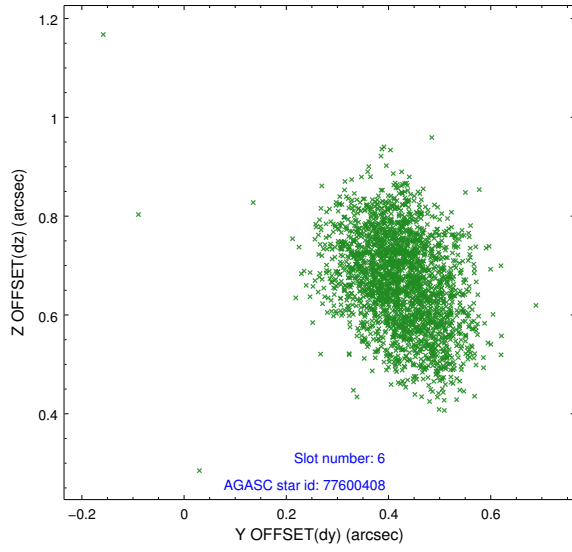
2.4.2 Slot 4



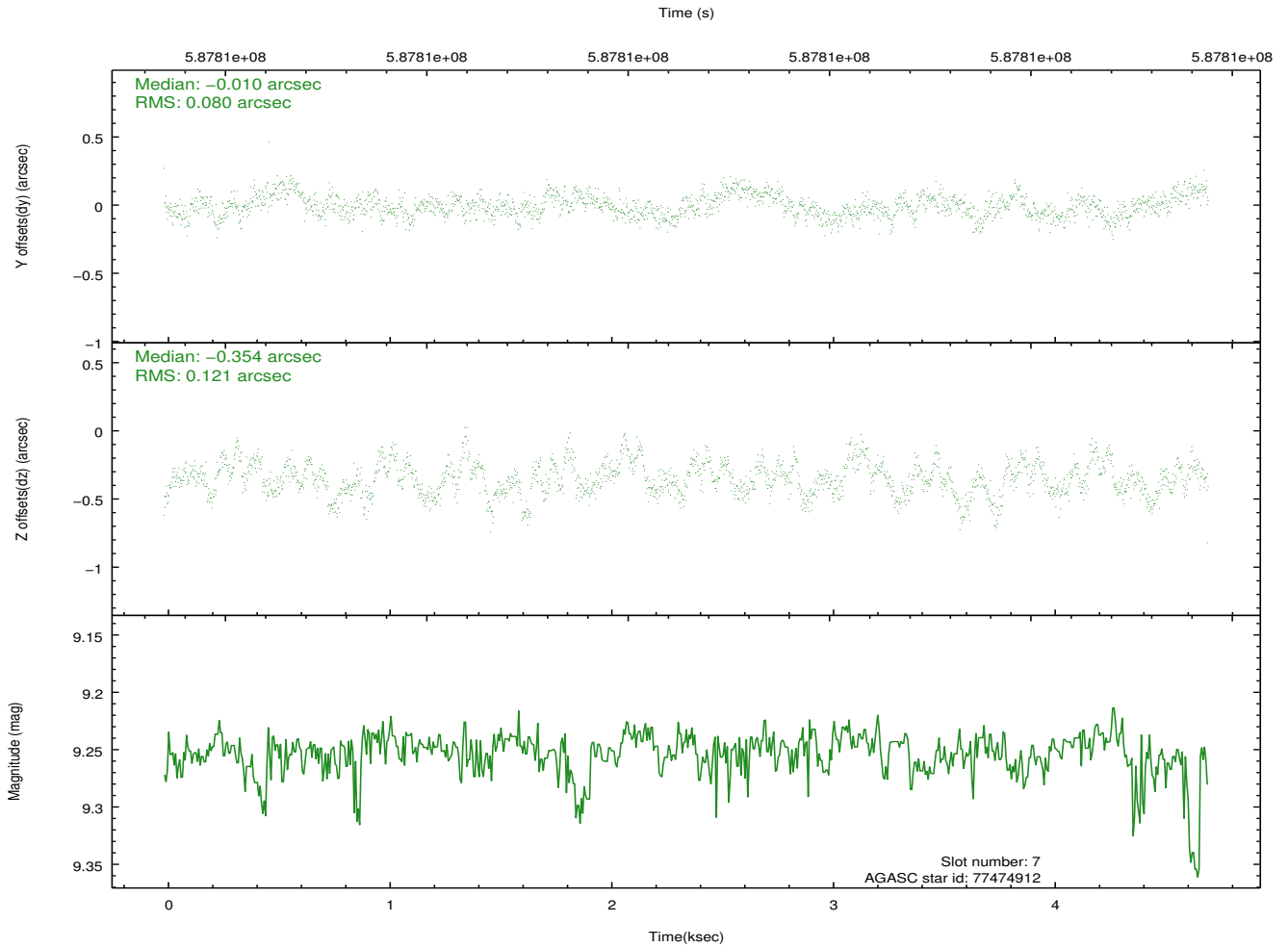
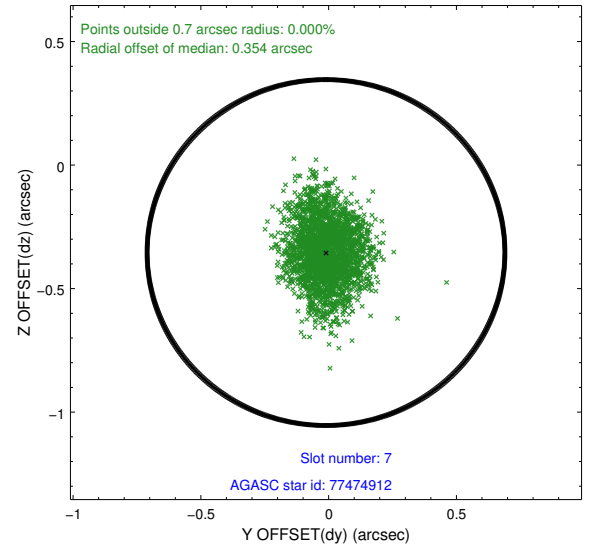
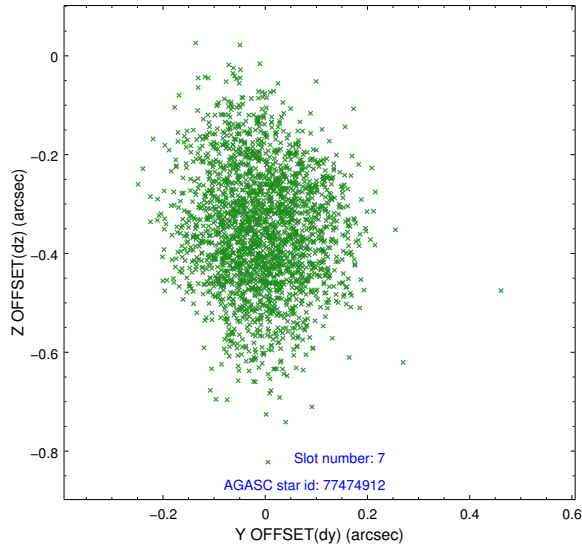
2.4.3 Slot 5



2.4.4 Slot 6

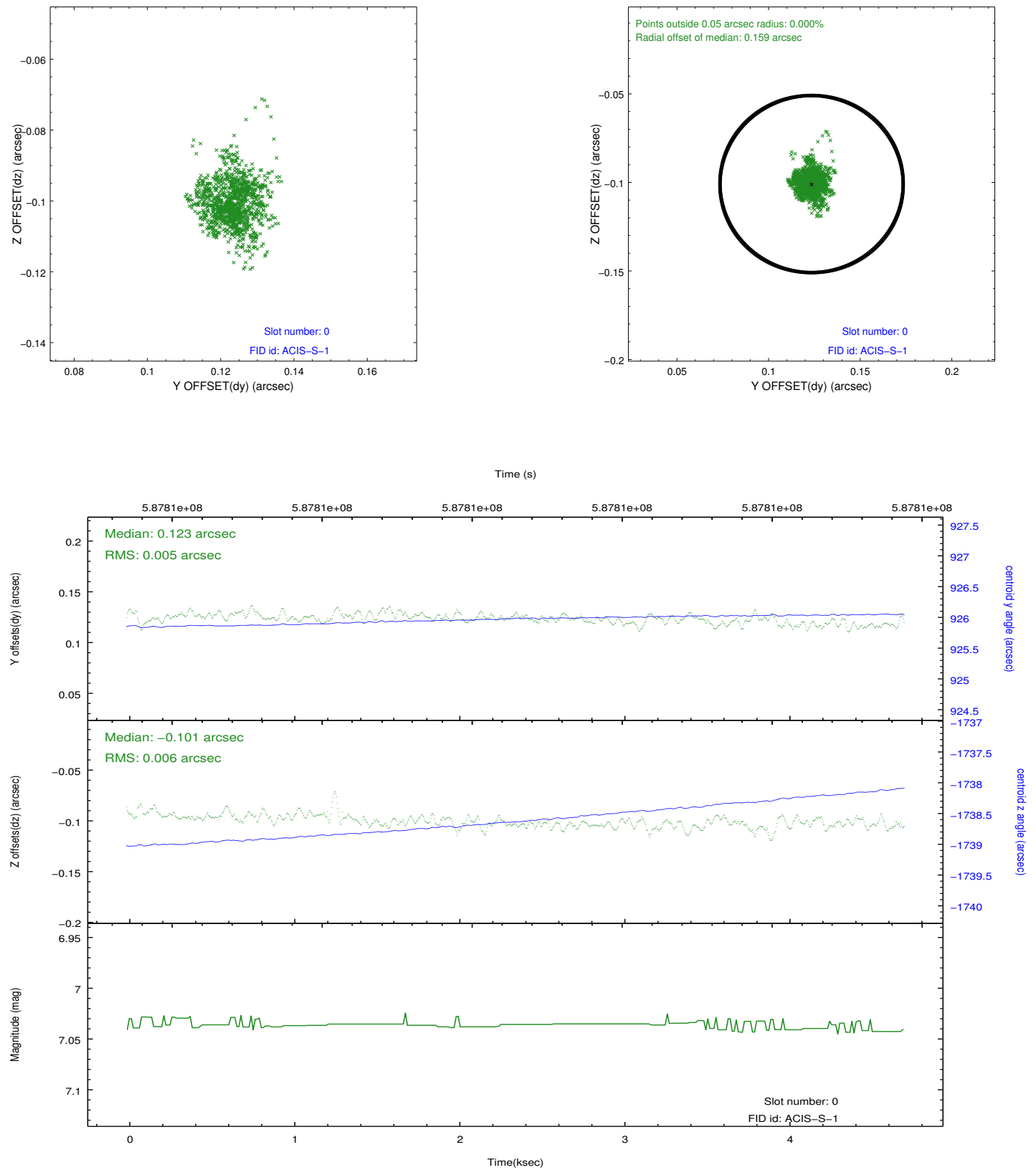


2.4.5 Slot 7

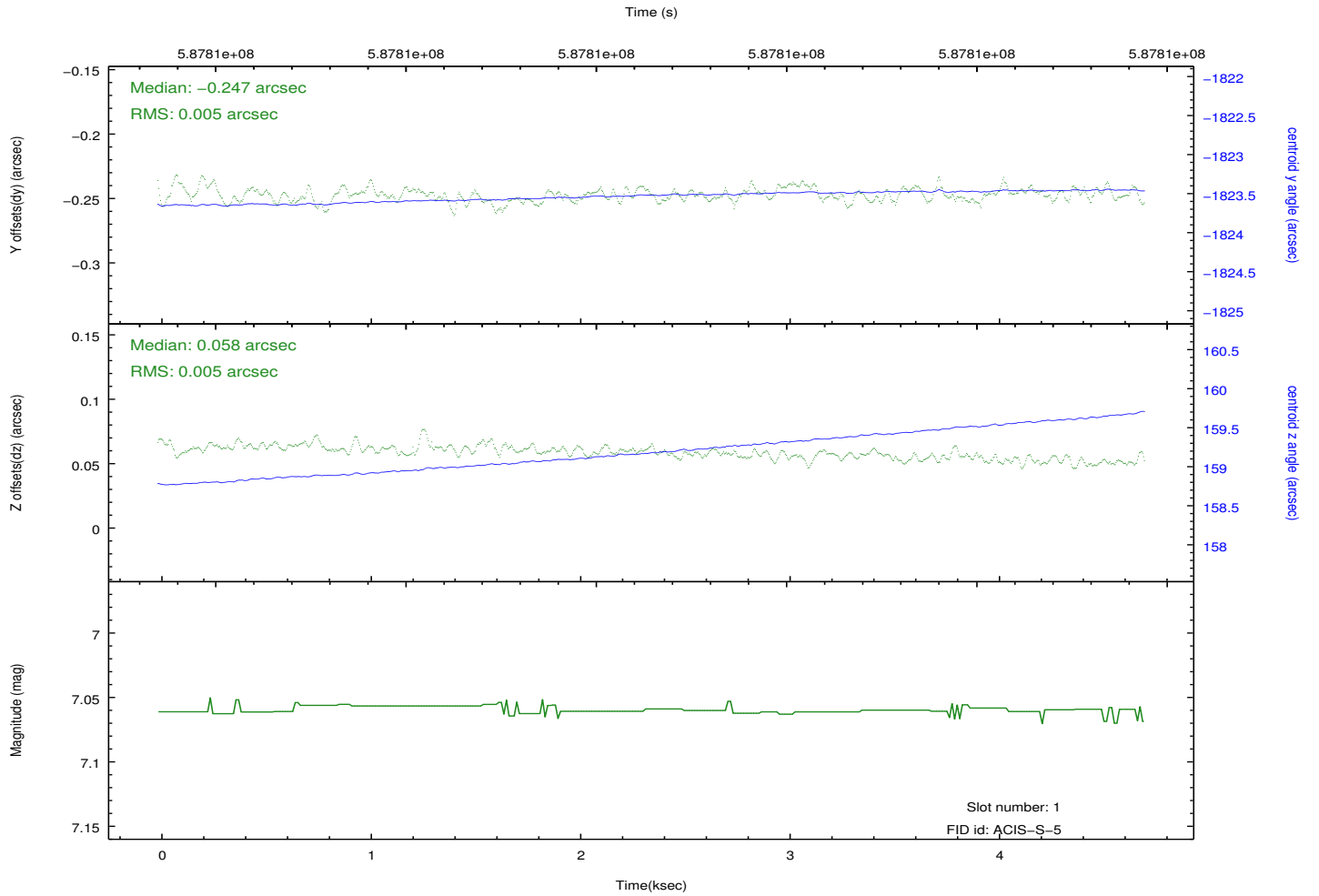
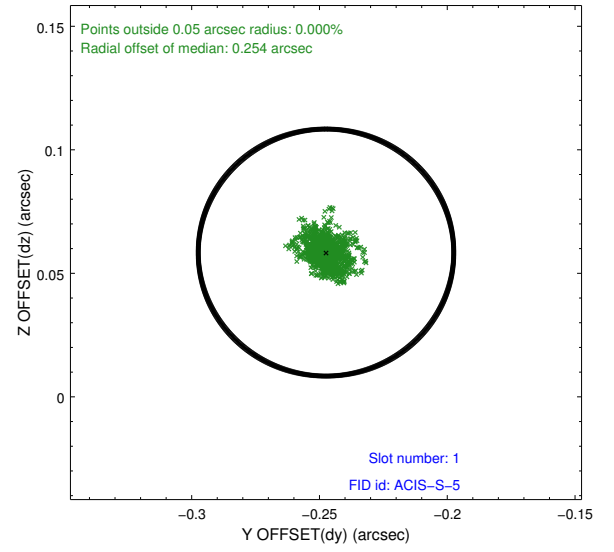
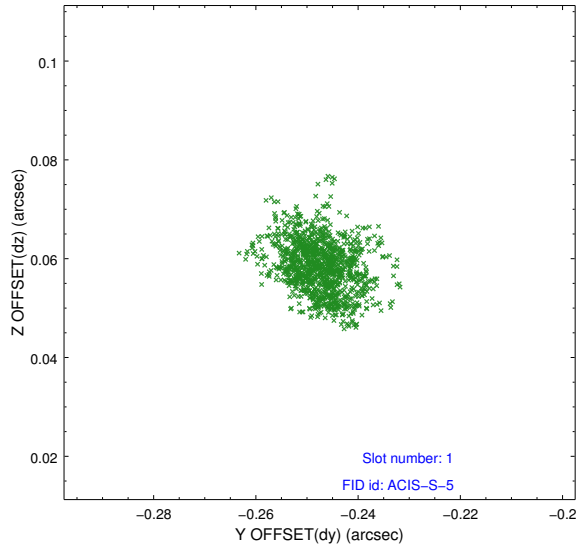


2.5 FID Slots

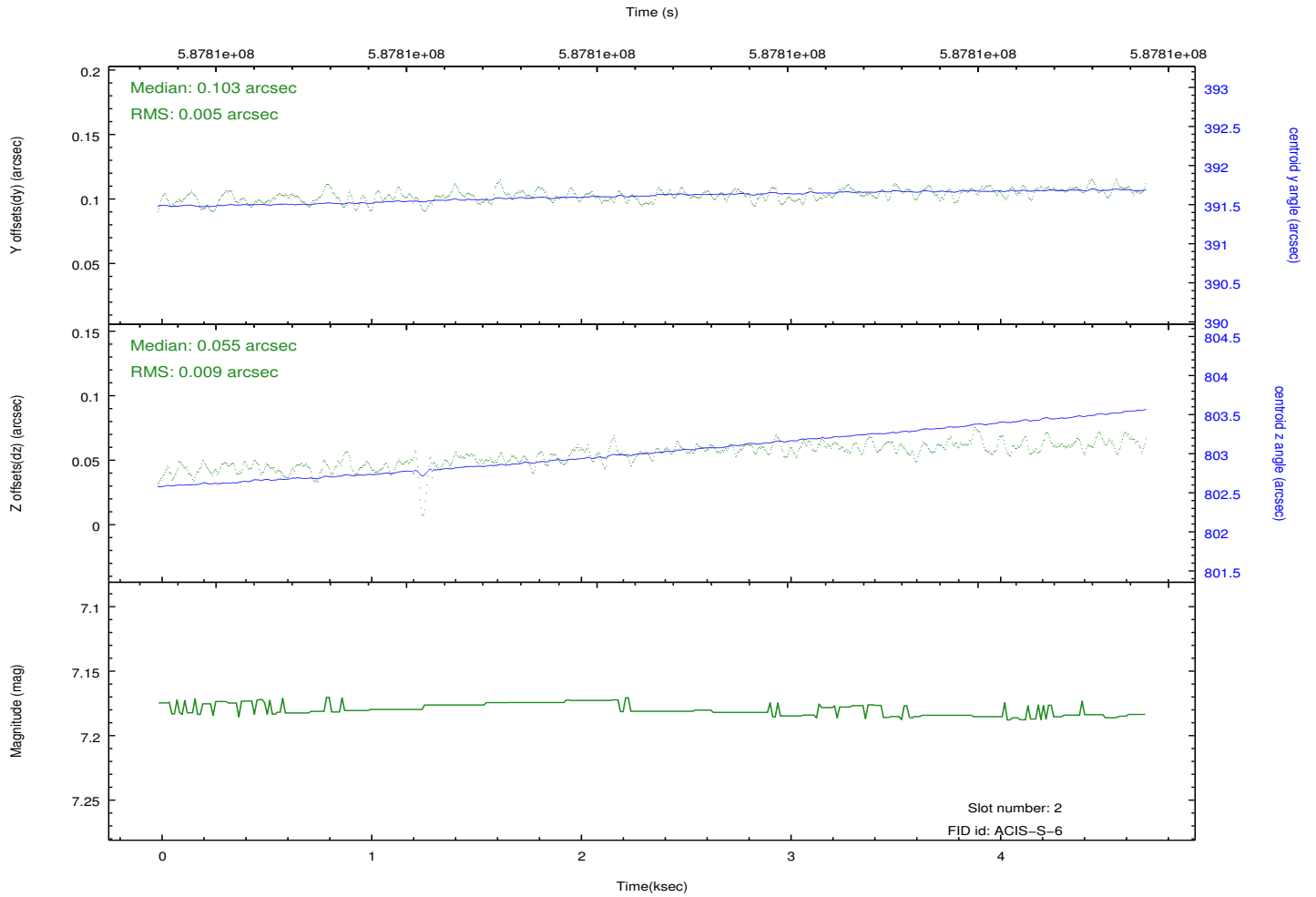
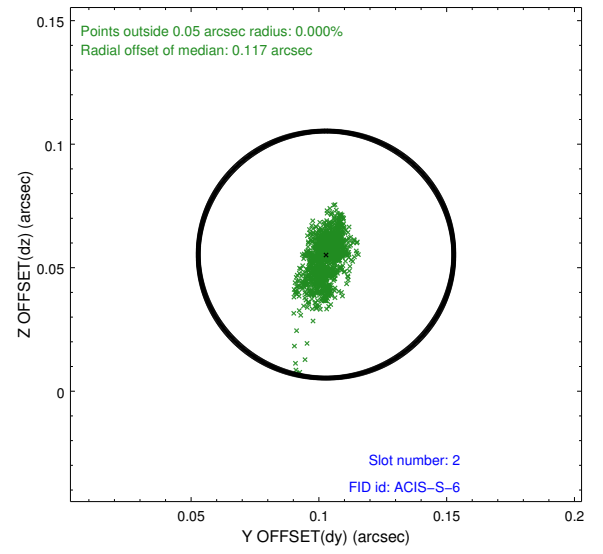
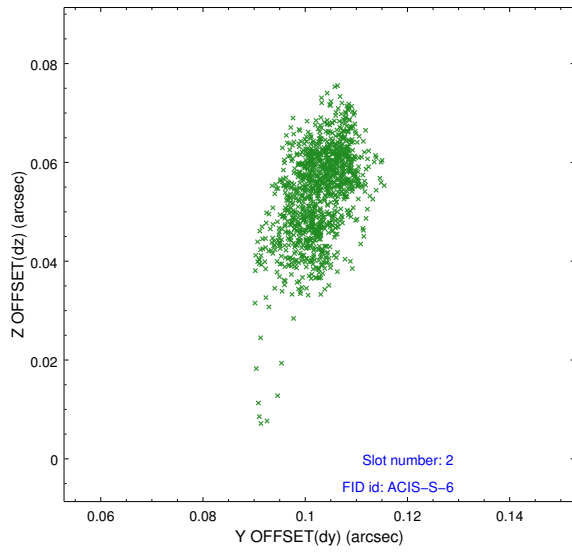
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2016.08.17
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.5201351702213

A.2 Comments

Joint proposal with Swift.

Observation coordinated with MEarth.