

V&V Reference Report

L2 ASCDS Version : 10.5

Observation 17753 - L2 Version 1
Chandra X-Ray Center

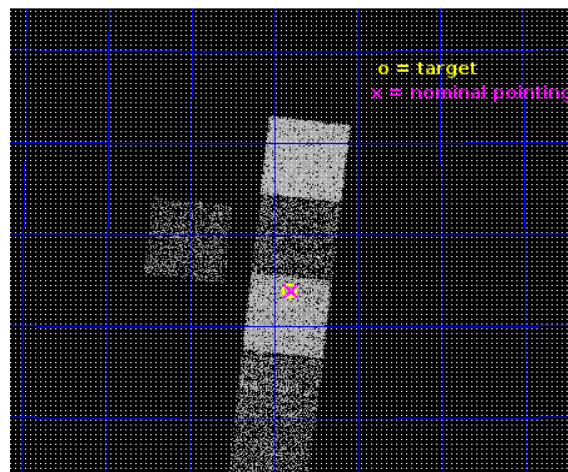
L2 Processing Date : Aug 8 2016

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1 Front

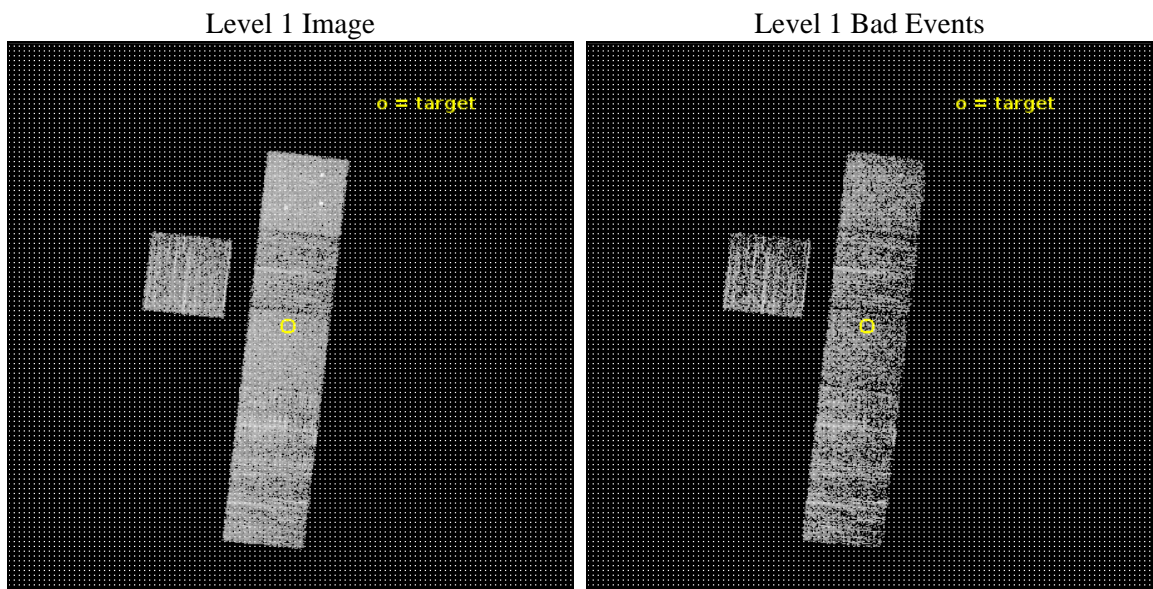
seq_num	201062	Sequence number
obs_id	17753	Observation id
title	Understanding the Rotation/Activity Relation: A New Low-Mass, Extreme-Spin Sample	Proposal title
observer	Peter Williams	Principal investigator
object	2MASS J03304890+5413551	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	52.7025	Observer's specified target RA [deg]
dec_targ	54.232	Observer's specified target Dec [deg]
ra_nom	52.69808835426	Nominal RA [deg]
dec_nom	54.232026381725	Nominal Dec [deg]
roll_nom	96.382891291571	Nominal Roll [deg]
revision	1	Processing version of data
ontime	2609.7622914314	Sum of GTIs [s]
livetime	2576.7159098871	Livetime [s]
ontime2	2609.5981314182	Sum of GTIs [s]
ontime5	2609.7212513685	Sum of GTIs [s]
ontime6	2609.6802114248	Sum of GTIs [s]
ontime7	2609.7622914314	Sum of GTIs [s]
ontime8	2609.6391713619	Sum of GTIs [s]
ontime9	2609.8033313751	Sum of GTIs [s]
l2events	28083	Number of level 2 events



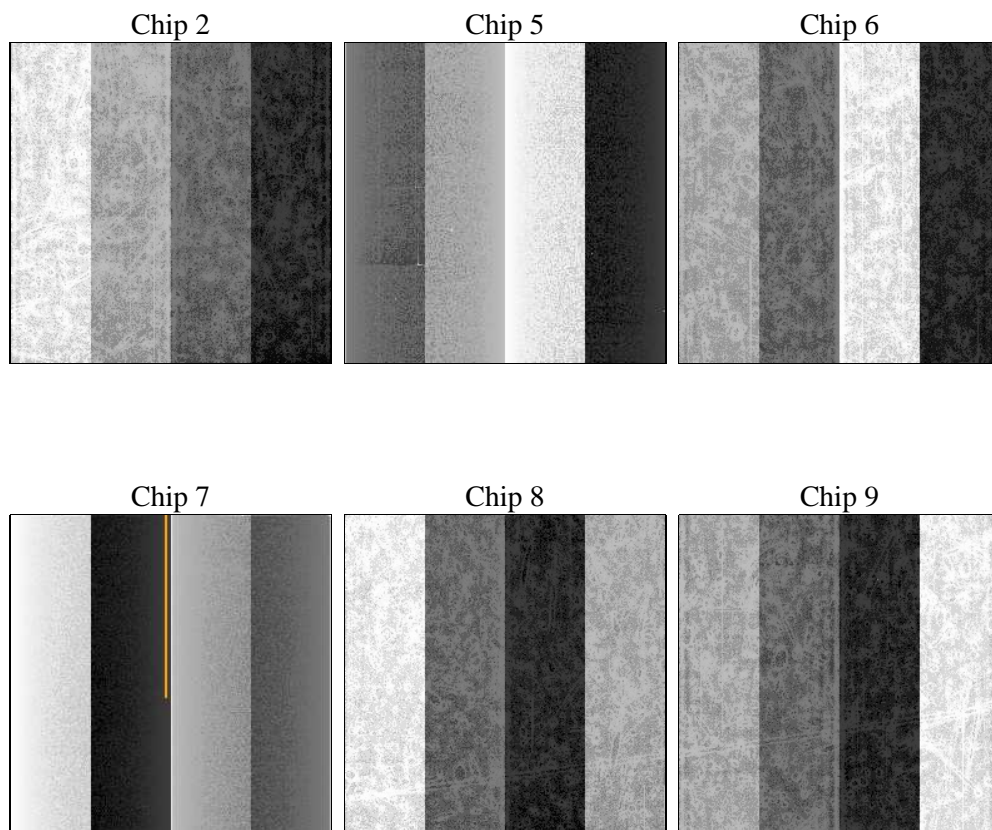
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2670.000000	[s] Scheduled observation exposure time
ascdsver	10.5	Processing system revision	ontime	2609.7622914314	Sum of GTIs [s]
caldsver	4.7.2	 	ontime2	2609.5981314182	Sum of GTIs [s]
date	2016-08-09T02:49:16	Date and time of file creation	ontime5	2609.7212513685	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	2609.6802114248	Sum of GTIs [s]
			ontime7	2609.7622914314	Sum of GTIs [s]
			ontime8	2609.6391713619	Sum of GTIs [s]
			ontime9	2609.8033313751	Sum of GTIs [s]
			l1events	119078	Number of level 1 events

2.1.4 Events

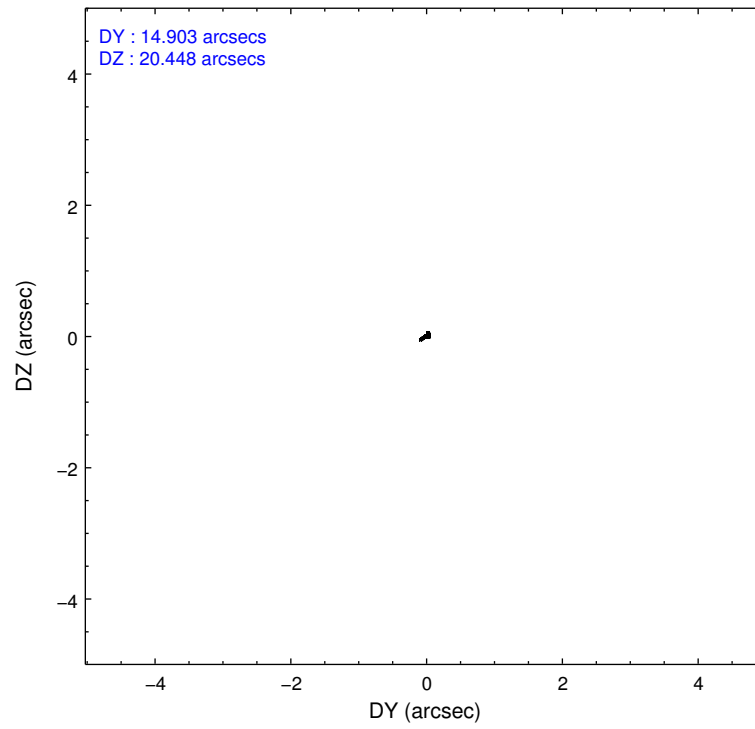
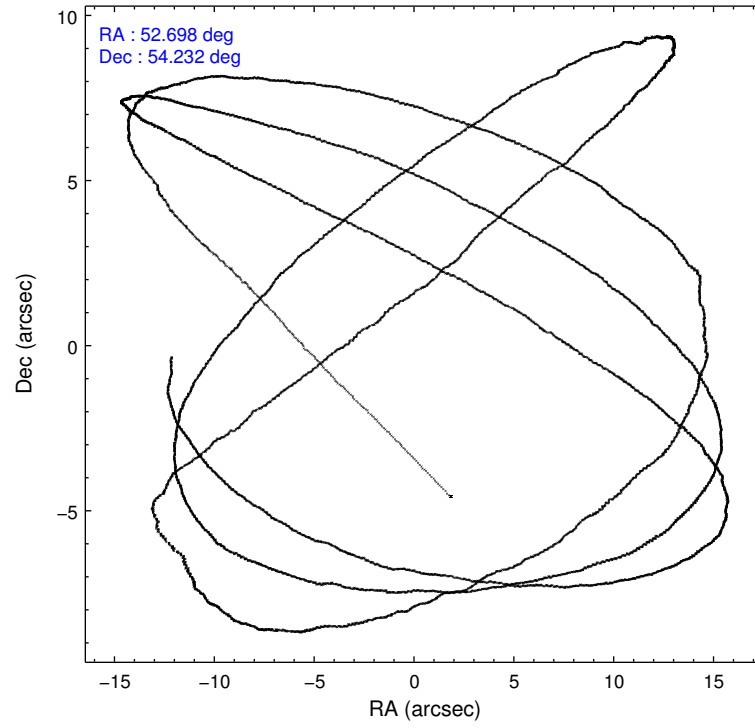
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	15577	27108	15453	21267	22759	16914
rejected events	13900	13533	13492	12068	16191	14769
rejected %	89%	49%	87%	56%	71%	87%

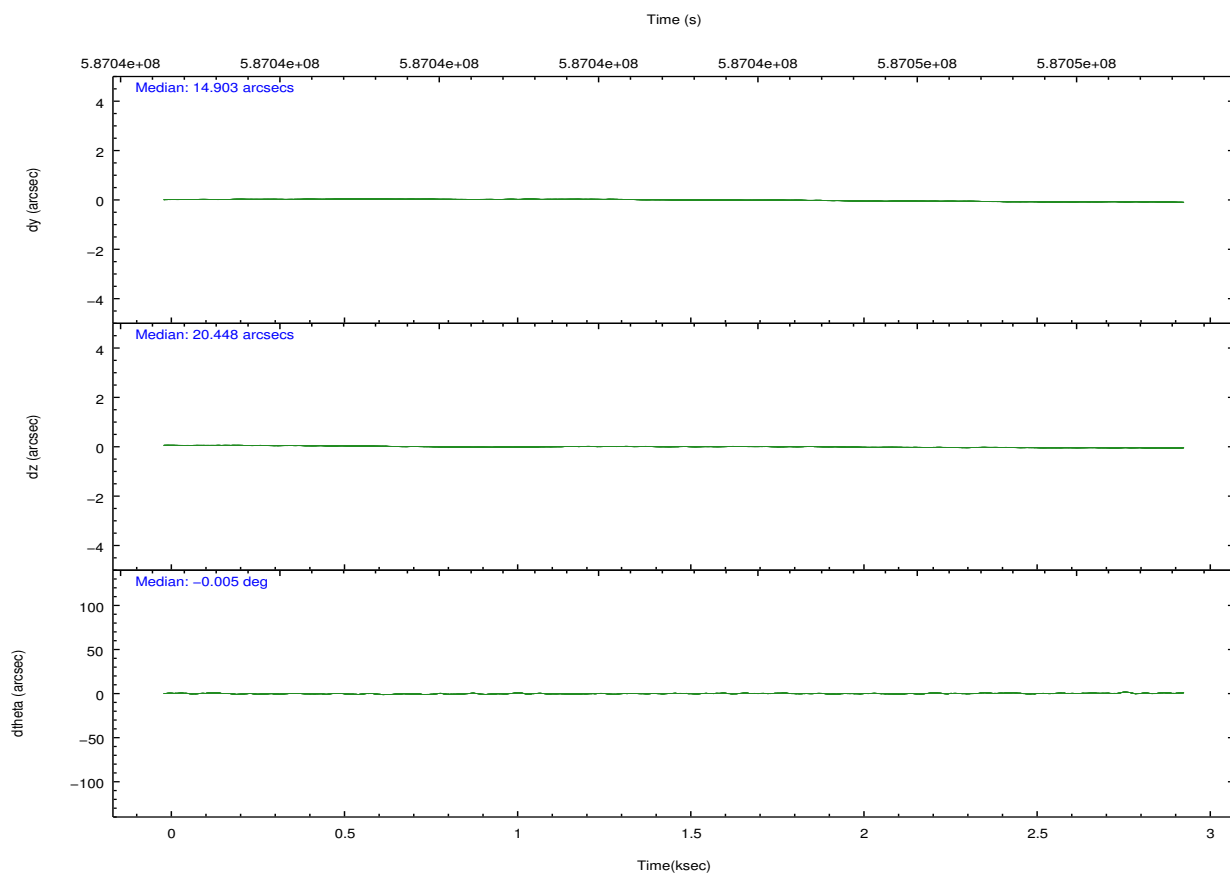
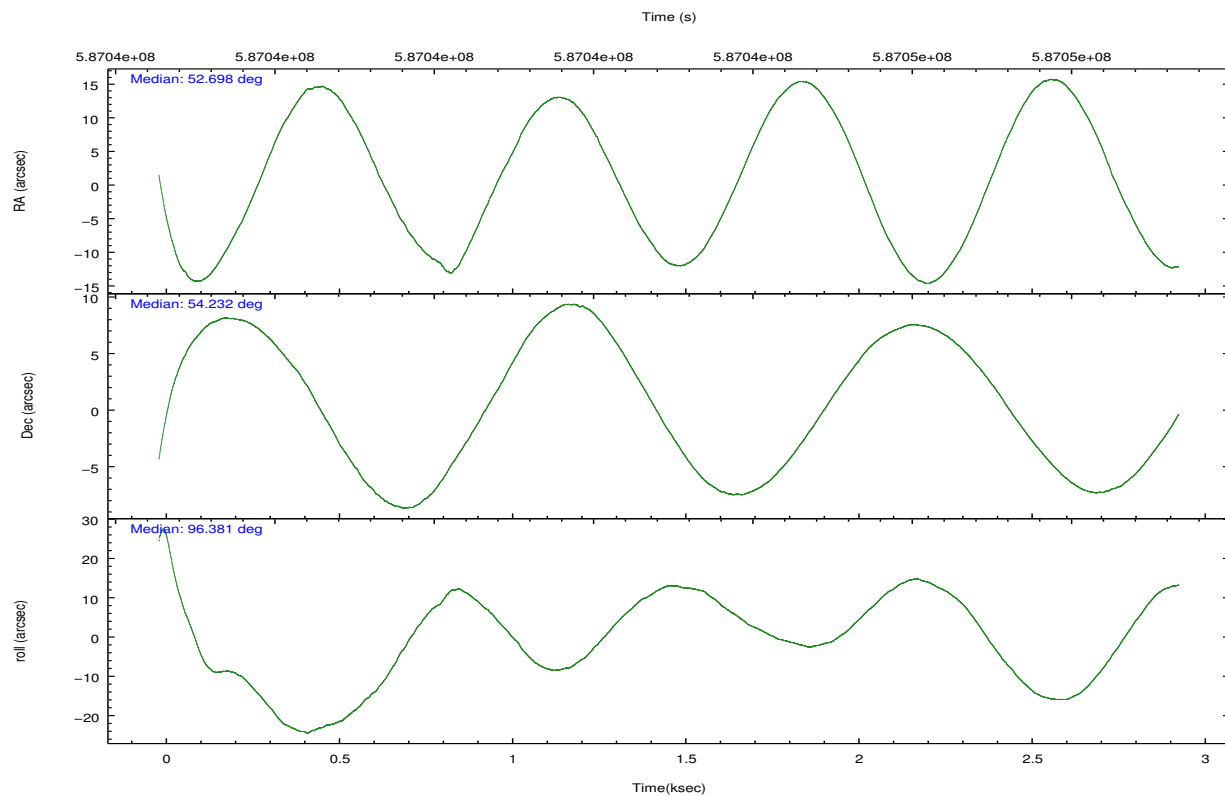
	ccd 2	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	593	1680	717	830	1867	763
	3%	6%	4%	3%	8%	4%
grade 1 events	9	64	5	27	18	11
	0%	0%	0%	0%	0%	0%
grade 2 events	428	4216	396	1935	1482	511
	2%	15%	2%	9%	6%	3%
grade 3 events	169	473	197	733	727	218
	1%	1%	1%	3%	3%	1%
grade 4 events	170	404	201	772	668	201
	1%	1%	1%	3%	2%	1%
grade 5 events	639	1951	765	2232	1136	945
	4%	7%	4%	10%	4%	5%
grade 6 events	318	6845	453	4946	1850	457
	2%	25%	2%	23%	8%	2%
grade 7 events	13251	11475	12719	9792	15011	13808
	85%	42%	82%	46%	65%	81%

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	52.726520	52.69808835426036	CCD I2 on	O1	Y
[deg] Pointing Dec	54.210180	54.23202638172481	CCD I3 on	N	N
[deg] Pointing Roll	96.203016	96.38289129157128	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)	587043517.184000	587042494.73851	CCD S5 on	O2	Y
Observation start date	2016-08-08T11:37:29	2016-08-08T11:21:34	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	587046187.184000	587047081.61378	On-chip summing requested	N	N
Observation end date	2016-08-08T12:21:59	2016-08-08T12:38:01	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



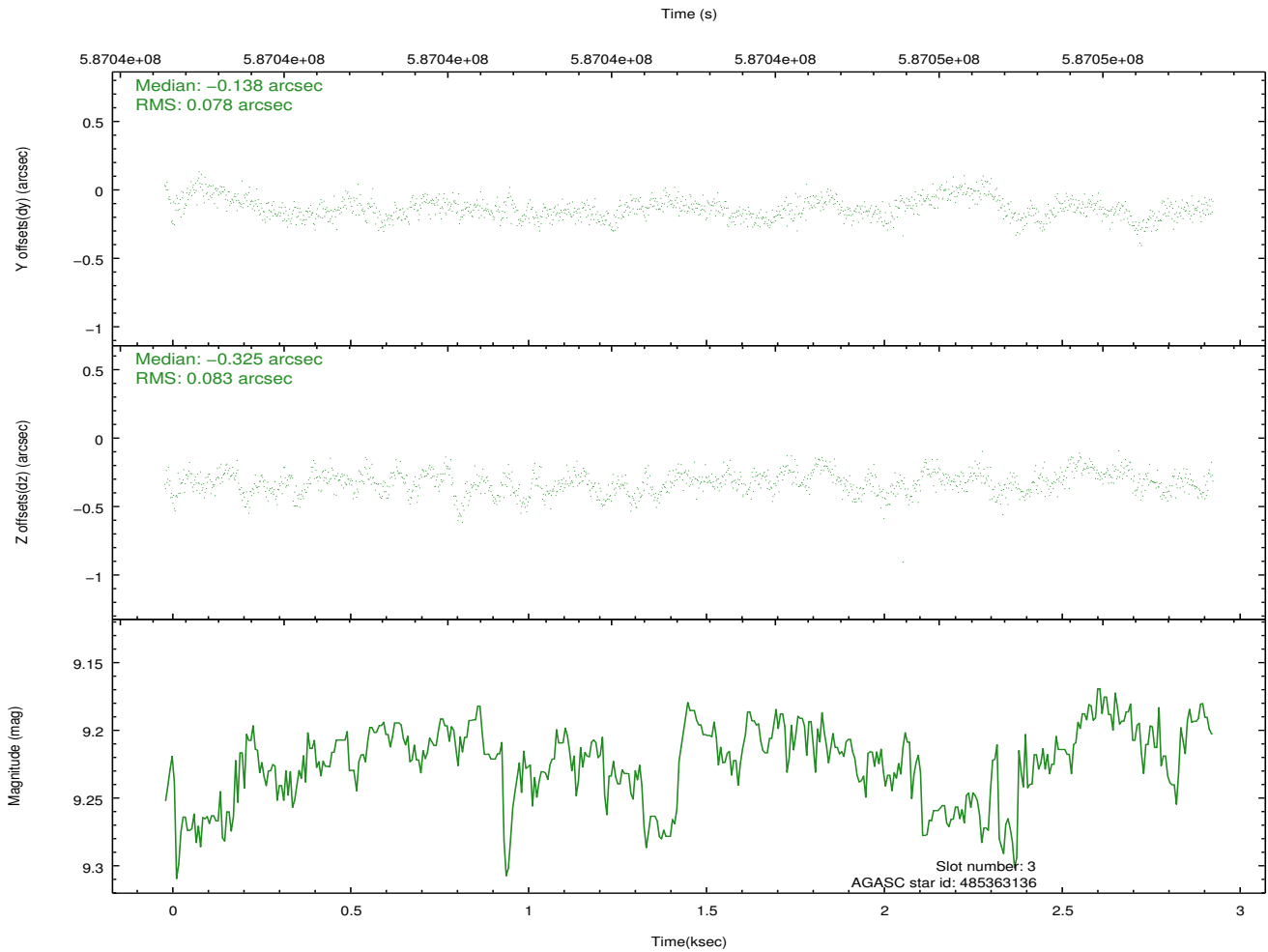
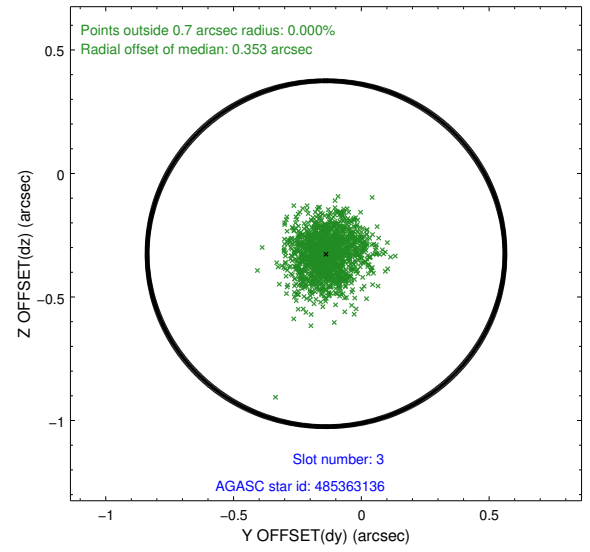
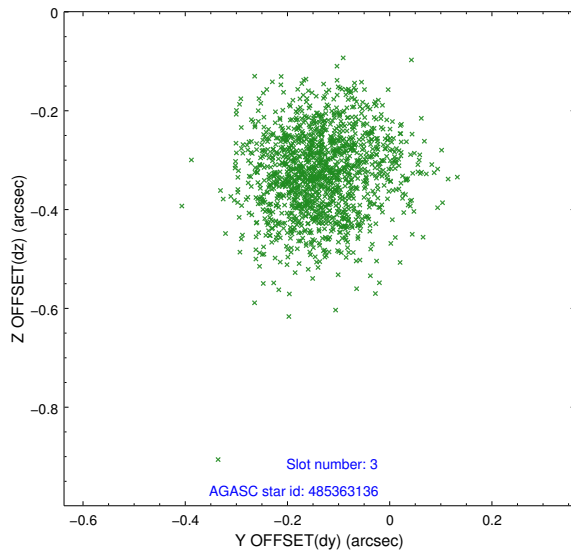


Slot Statistics

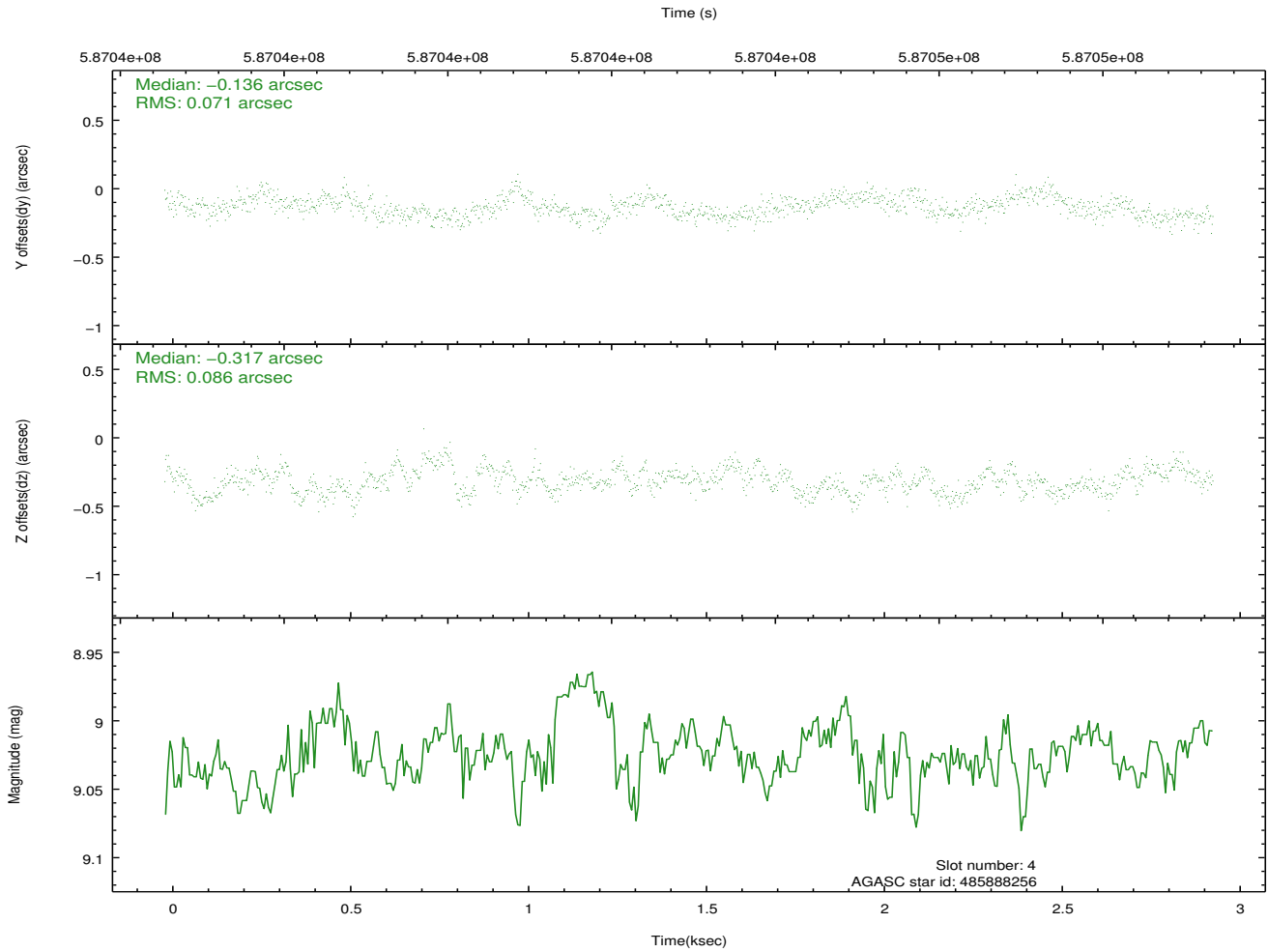
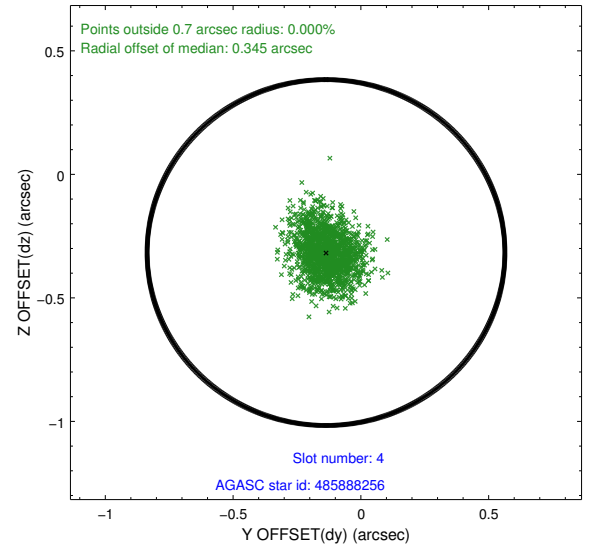
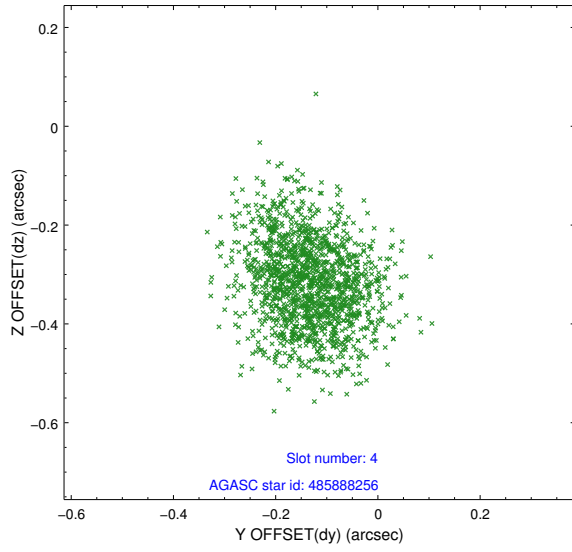
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	6.92	719	-0.189	-0.023	0.007	0.011	0.000000	0.000000	-768.03	-1741.95
1	FID		ACIS-S-4	7.02	719	0.369	0.097	0.005	0.009	0.000000	0.000000	2144.79	164.41
2	FID		ACIS-S-5	7.02	719	-0.211	-0.066	0.007	0.013	0.000000	0.000000	-1818.13	160.36
3	GUIDE	used	485363136	9.22	1435	-0.138	-0.325	0.122	0.194	52.216395	54.201800	89.98	1069.57
4	GUIDE	used	485888256	9.02	1438	-0.136	-0.317	0.117	0.191	52.273032	54.541271	1290.57	812.69
5	GUIDE	used	485889088	8.93	1438	-0.137	0.088	0.113	0.170	53.154894	54.397210	576.41	-964.99
6	GUIDE	used	485889680	8.66	1435	-0.064	0.002	0.135	0.196	52.796547	54.592979	1355.18	-294.86
7	GUIDE	used	487066136	9.29	1433	0.487	0.558	0.181	0.266	53.725008	53.937613	-1187.30	-1998.93

2.4 Star Slots

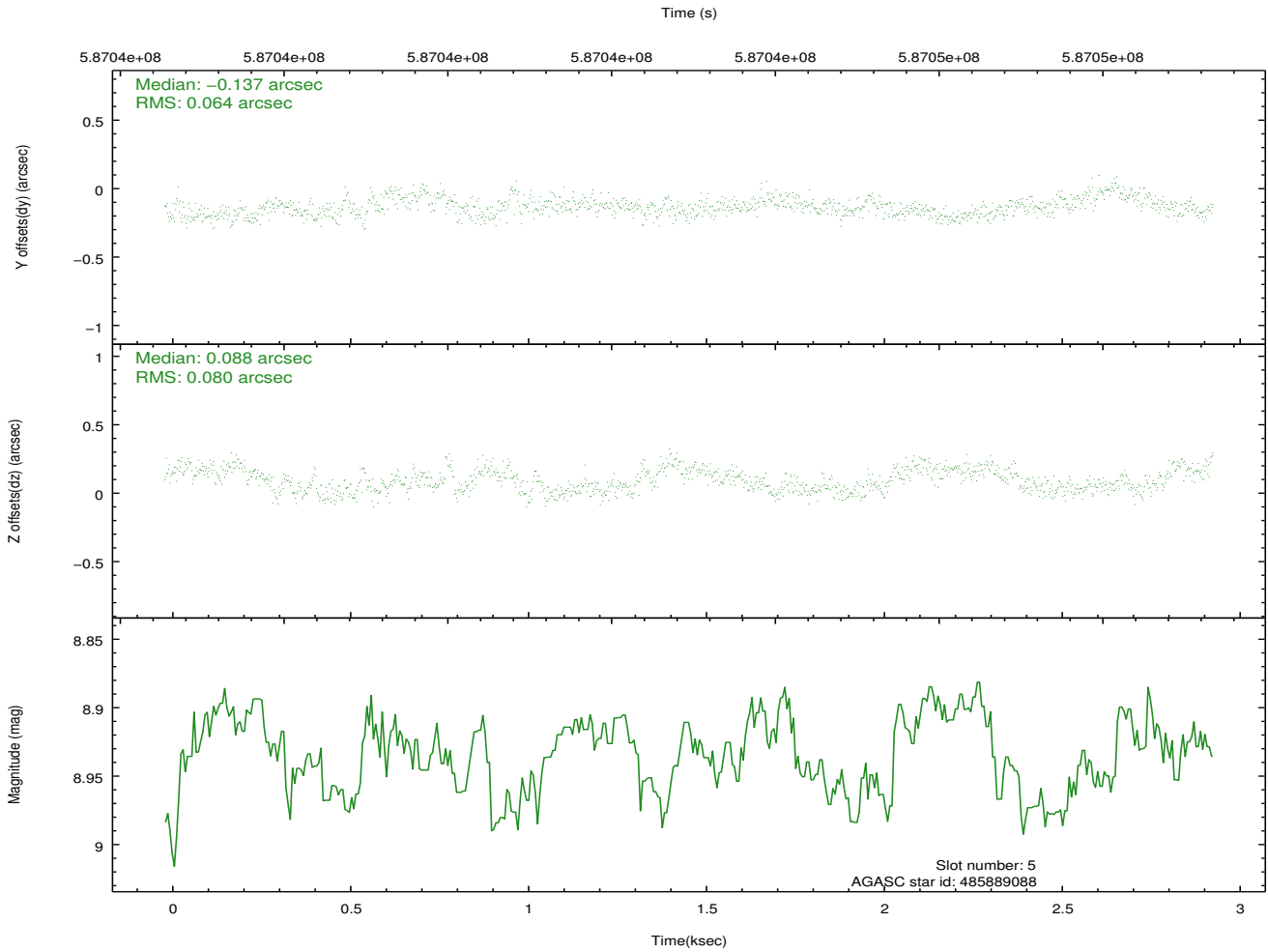
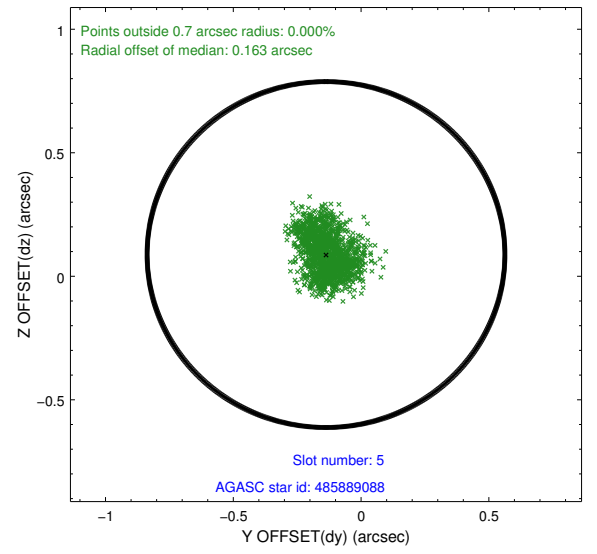
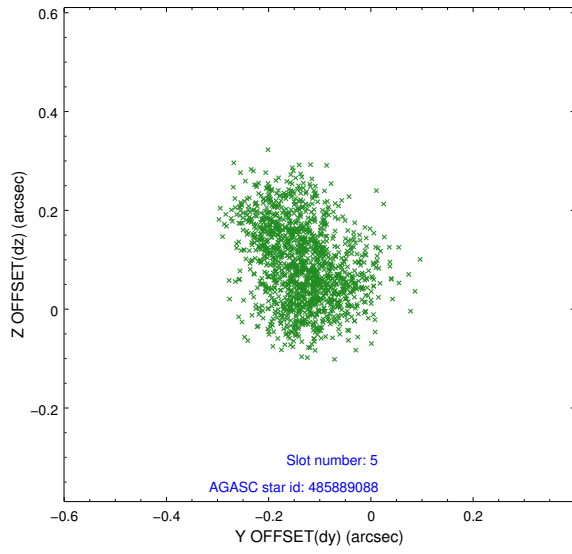
2.4.1 Slot 3



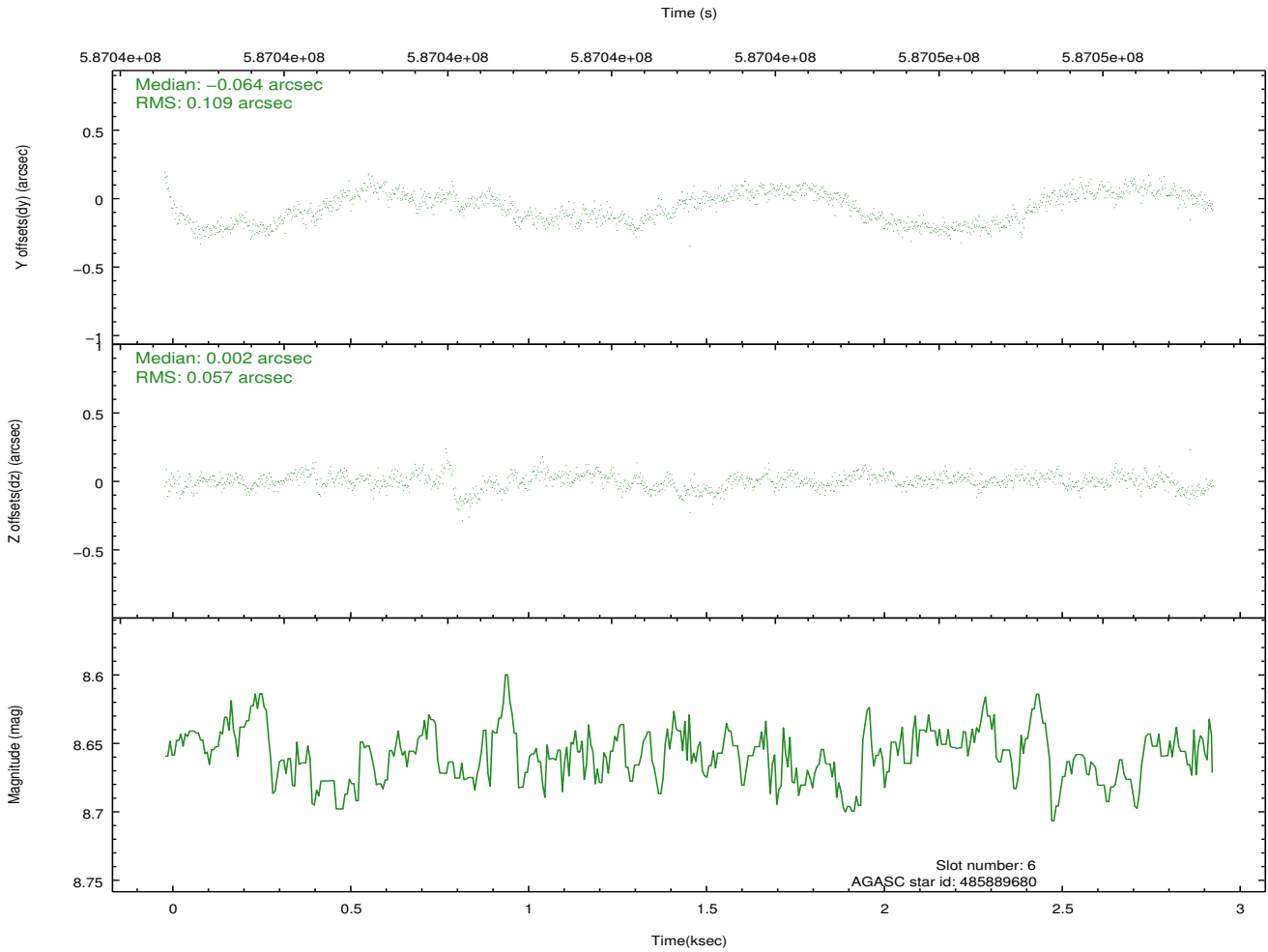
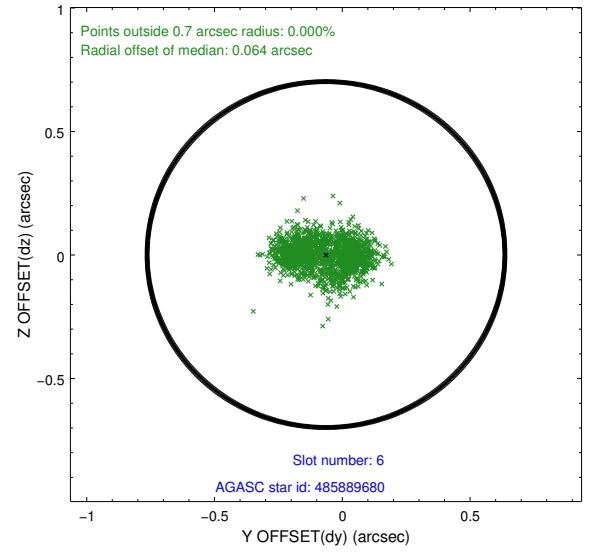
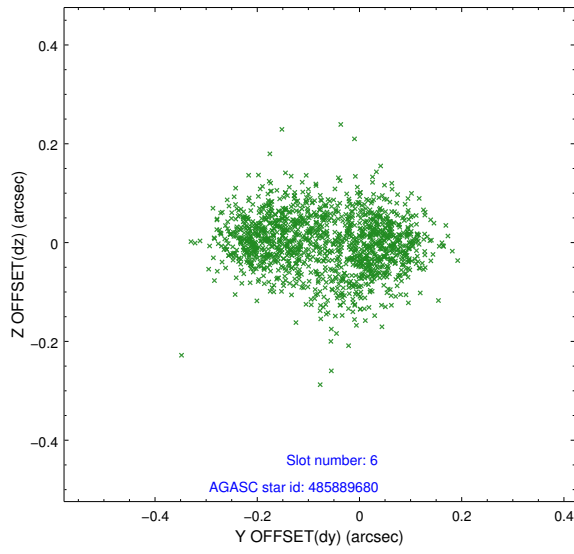
2.4.2 Slot 4



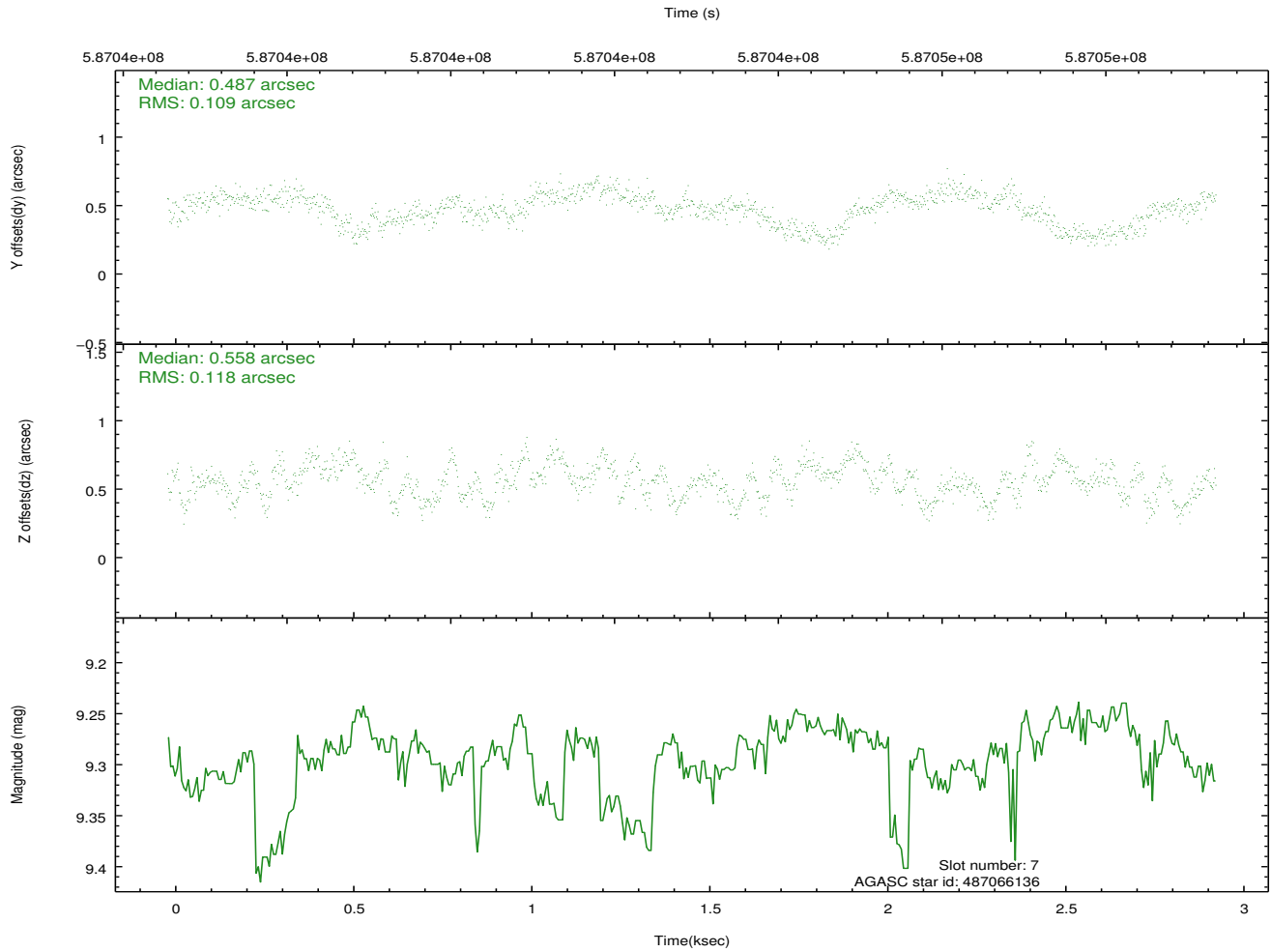
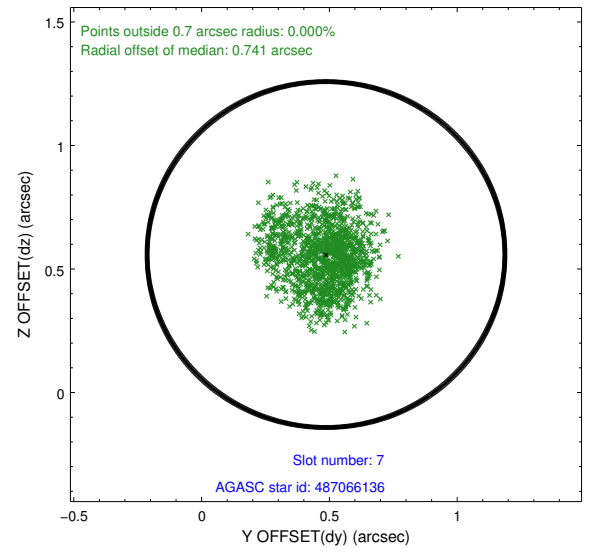
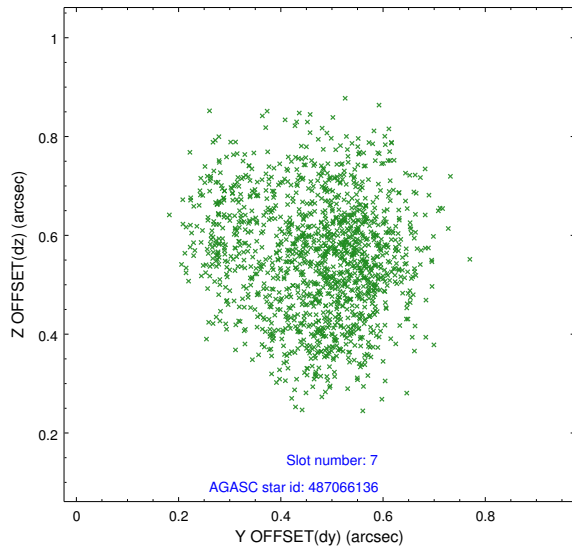
2.4.3 Slot 5



2.4.4 Slot 6

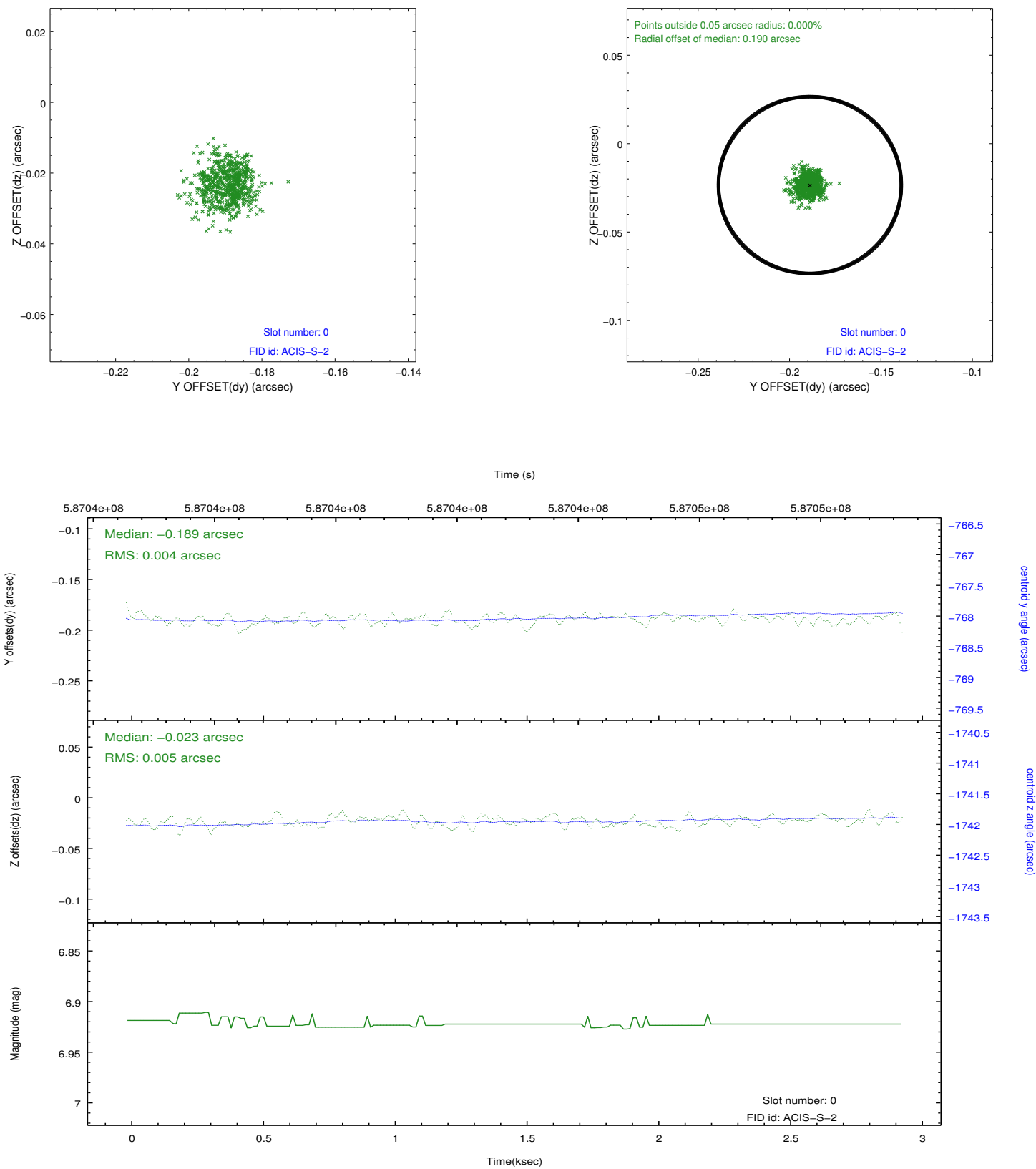


2.4.5 Slot 7

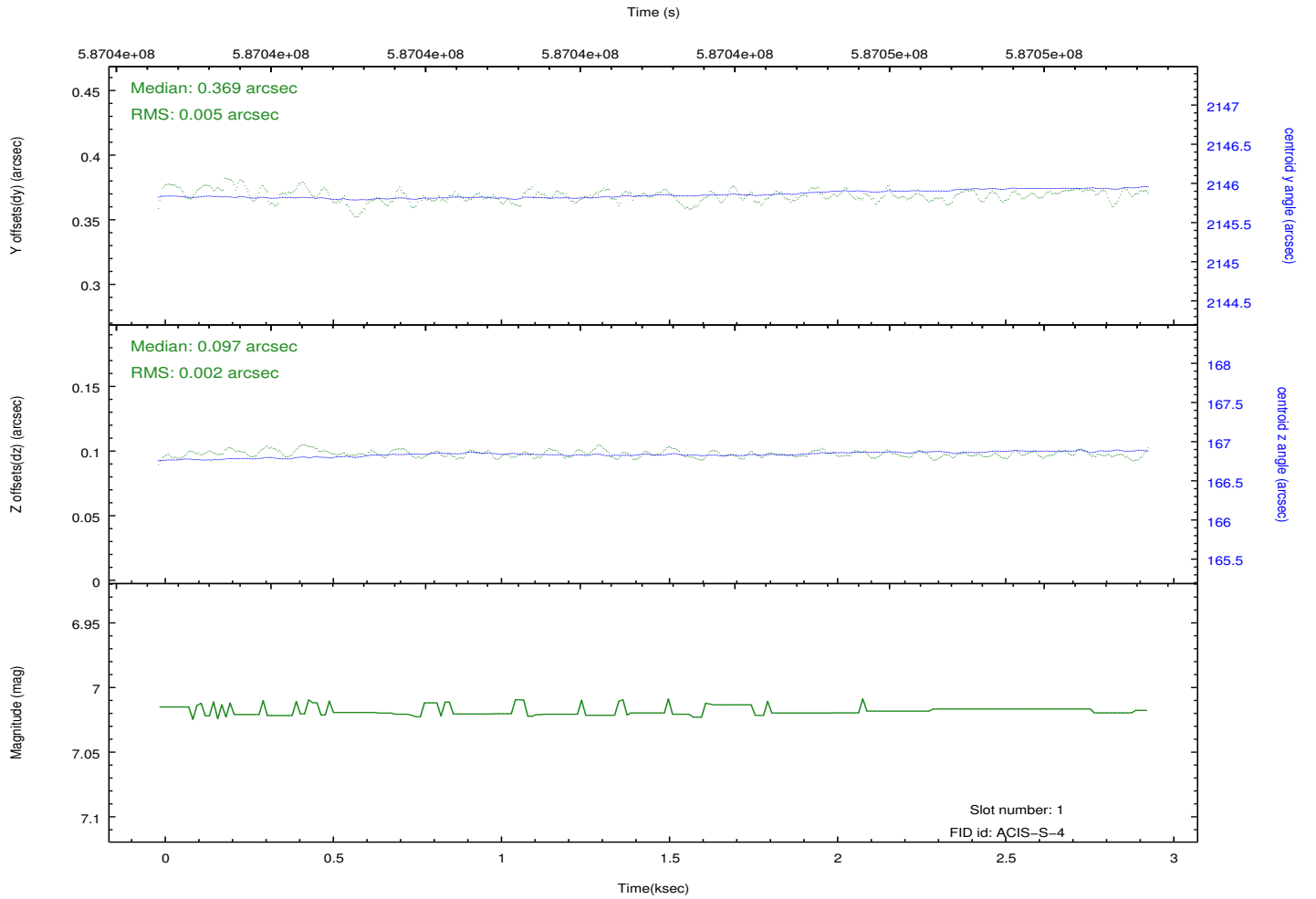
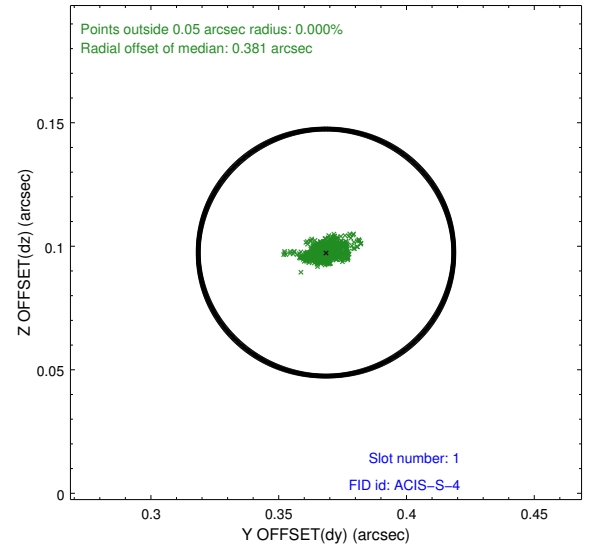
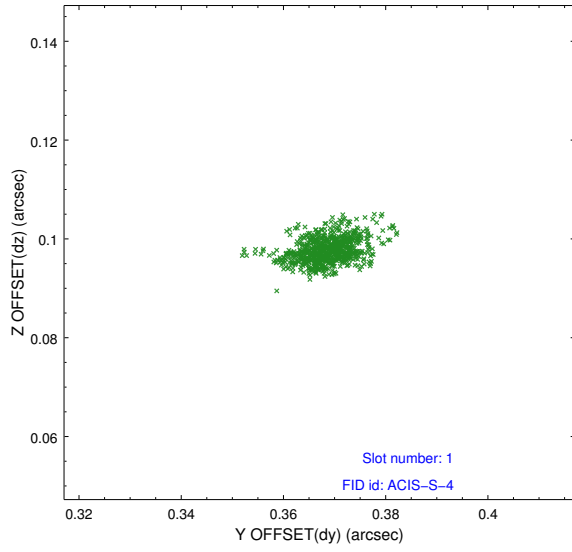


2.5 FID Slots

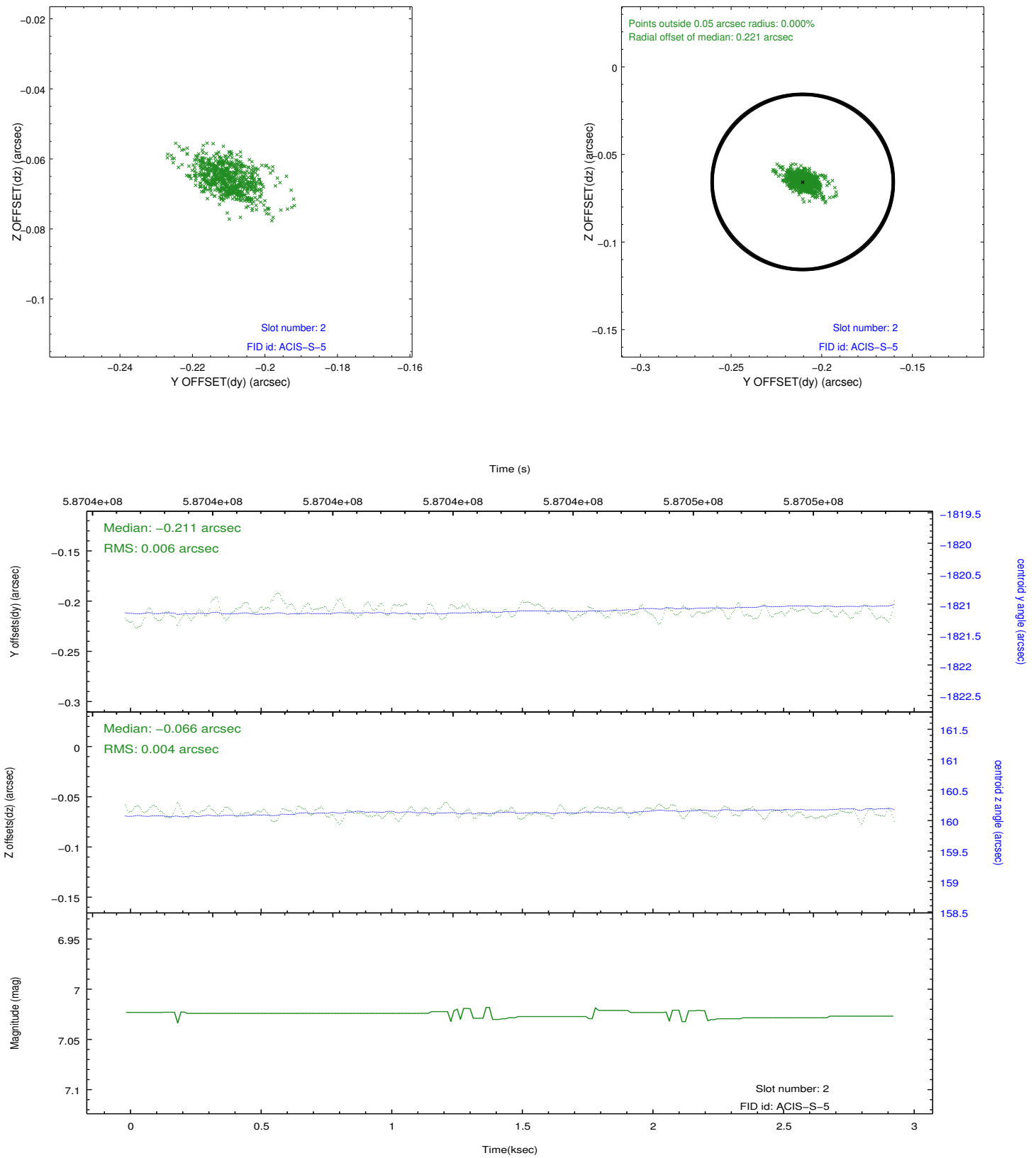
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2016.08.09
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.6097622914314

A.2 Comments

Joint Proposal: Swift