

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 17729 - L2 Version 1
Chandra X-Ray Center

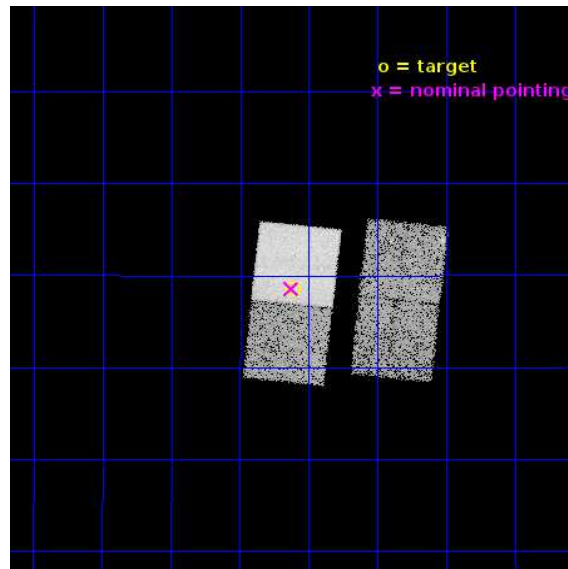
L2 Processing Date : Feb 6 2016

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1 Front

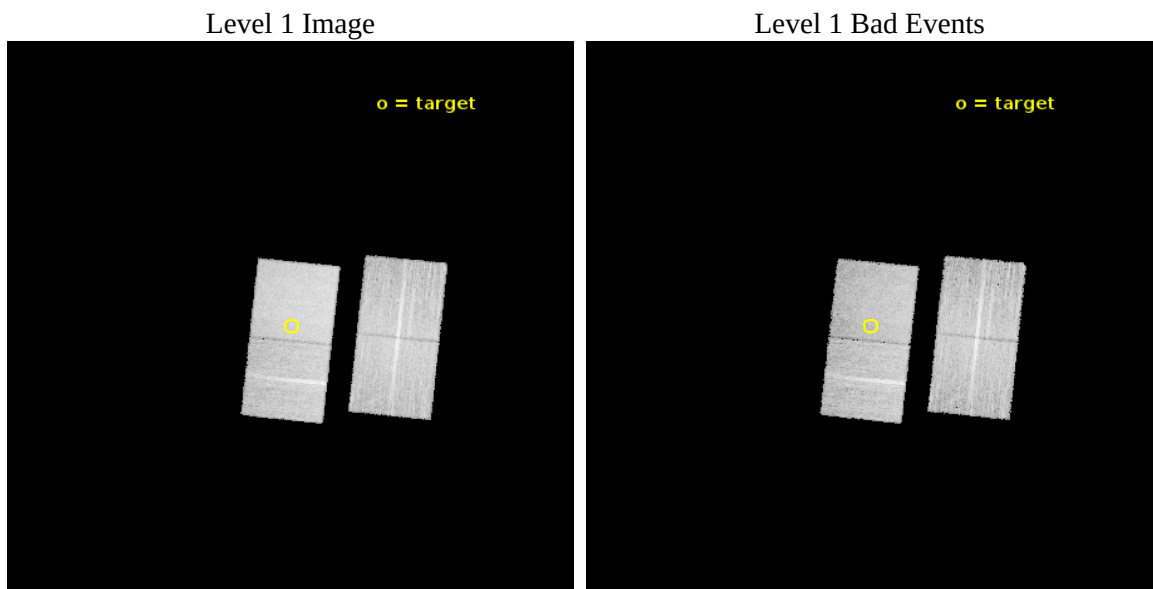
seq_num	201040	Sequence number
obs_id	17729	Observation id
title	The rotation/activity relation of M dwarfs	Proposal title
observer	Dr Beate Stelzer	Principal investigator
object	202059198	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	95.404167	Observer's specified target RA [deg]
dec_targ	16.309444	Observer's specified target Dec [deg]
ra_nom	95.406676665861	Nominal RA [deg]
dec_nom	16.309511174056	Nominal Dec [deg]
roll_nom	276.06857095924	Nominal Roll [deg]
revision	1	Processing version of data
ontime	15072.200116038	Sum of GTIs [s]
livetime	14875.27072553	Livetime [s]
ontime2	15072.200116038	Sum of GTIs [s]
ontime3	15072.200116038	Sum of GTIs [s]
ontime6	15072.200116038	Sum of GTIs [s]
ontime7	15072.200116038	Sum of GTIs [s]
l2events	73330	Number of level 2 events



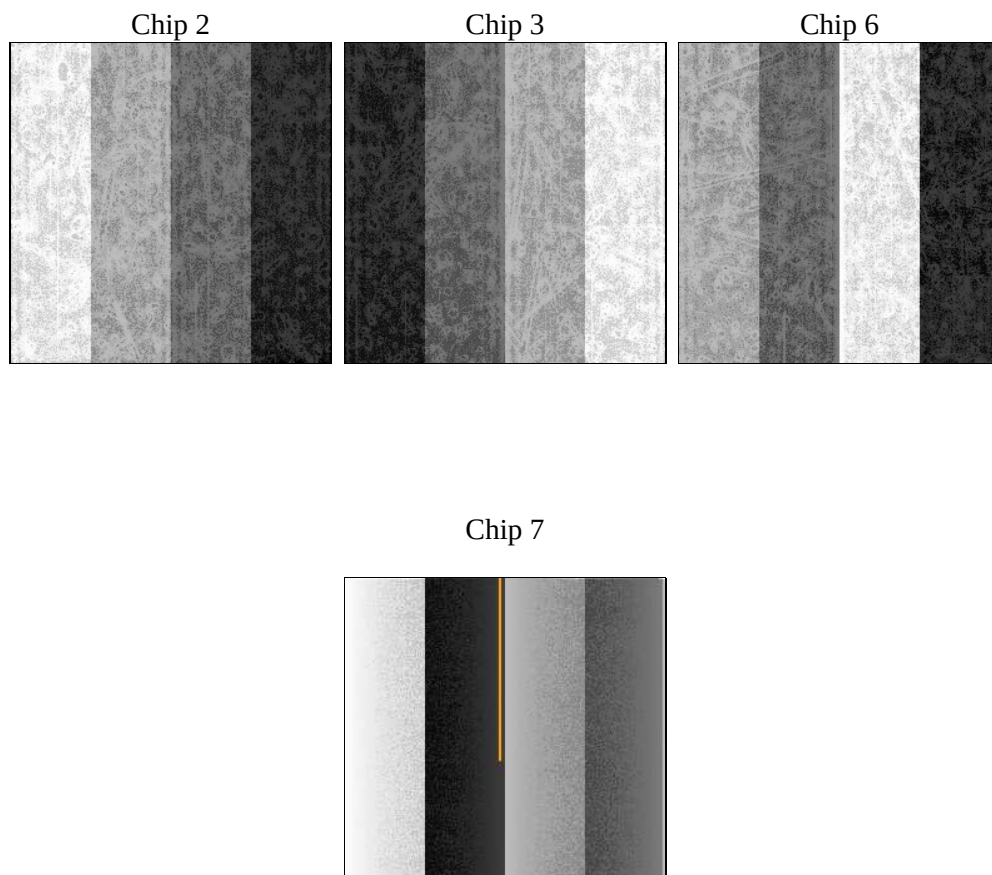
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	15000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	15072.200116038	Sum of GTIs [s]
caldsver	4.7.0	 	ontime2	15072.200116038	Sum of GTIs [s]
date	2016-02-06T06:25:07	Date and time of file creation	ontime3	15072.200116038	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	15072.200116038	Sum of GTIs [s]
			ontime7	15072.200116038	Sum of GTIs [s]
			l1events	387192	Number of level 1 events

2.1.4 Events

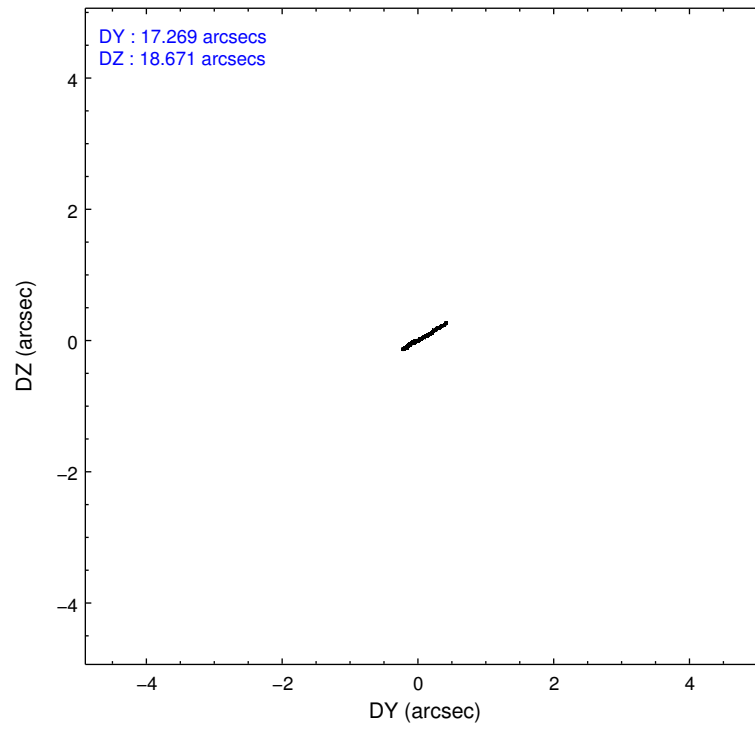
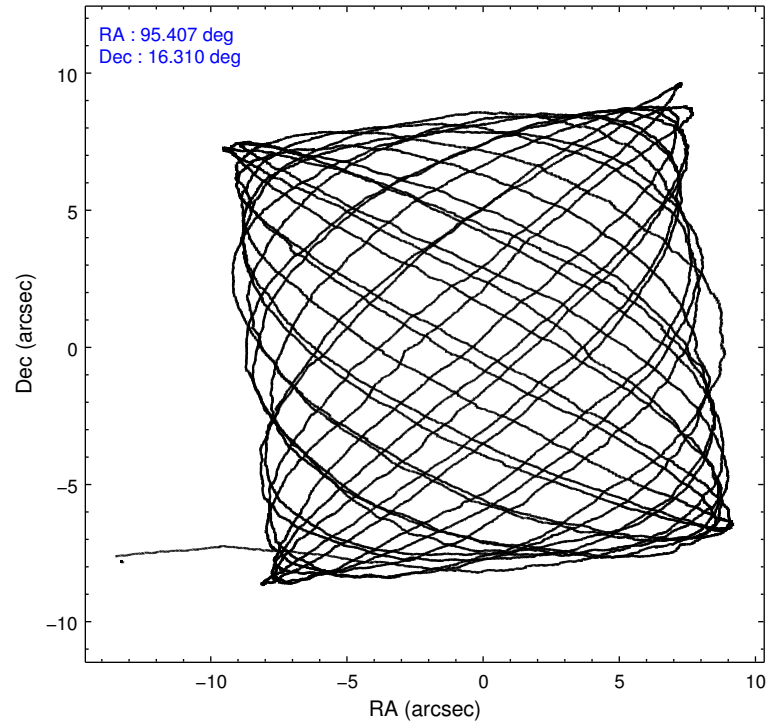
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	90796	89445	90017	116934
rejected events	81762	80029	79868	67318
rejected %	90%	89%	88%	57%

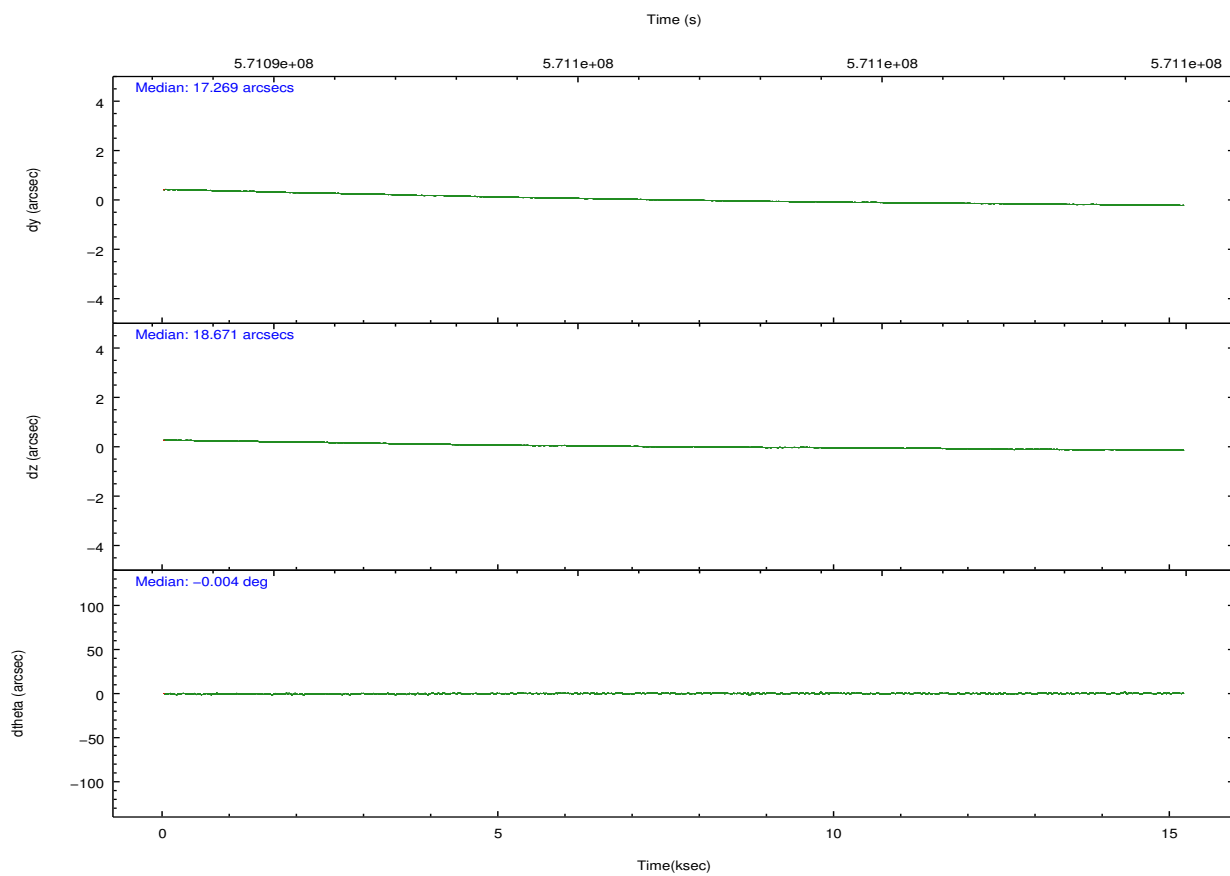
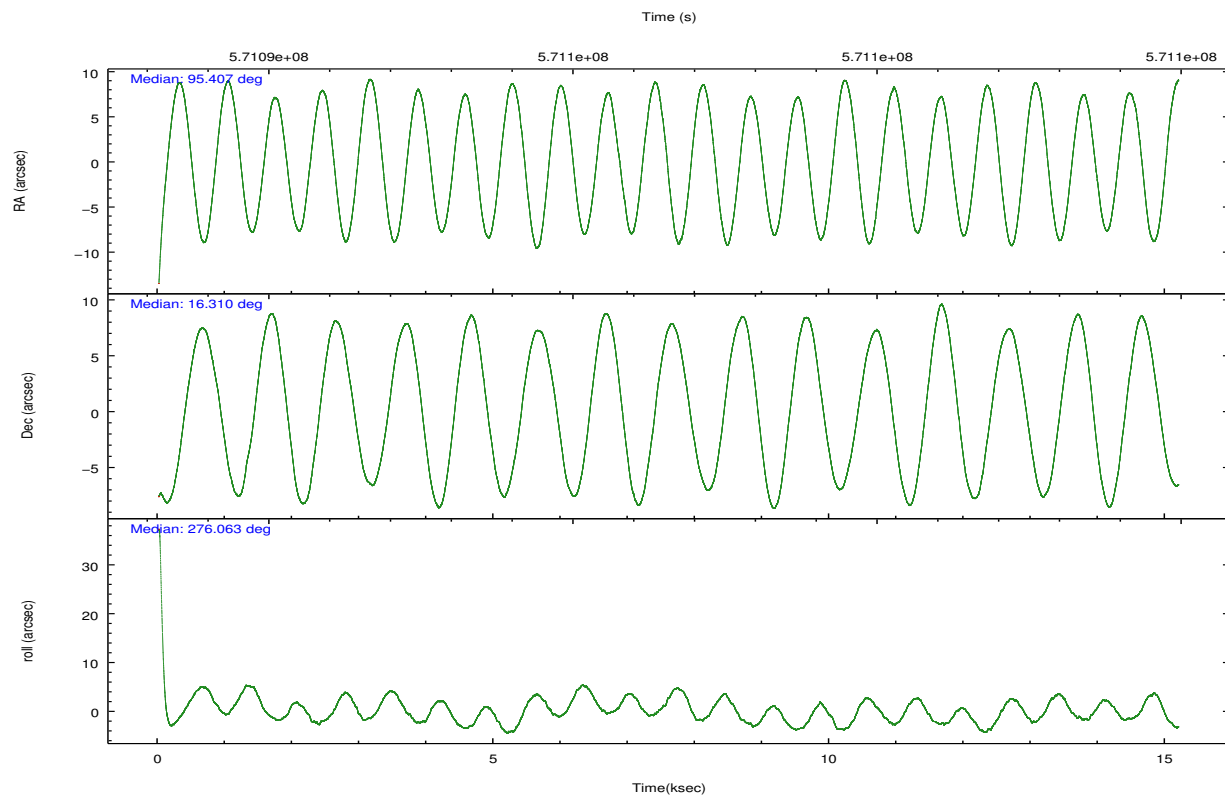
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	3174	3305	3145	3824
	3%	3%	3%	3%
grade 1 events	60	42	39	132
	0%	0%	0%	0%
grade 2 events	2122	2021	2502	10382
	2%	2%	2%	8%
grade 3 events	931	1014	960	3703
	1%	1%	1%	3%
grade 4 events	959	1051	932	3680
	1%	1%	1%	3%
grade 5 events	3442	4225	4176	11213
	3%	4%	4%	9%
grade 6 events	1848	2025	2610	28038
	2%	2%	2%	23%
grade 7 events	78260	75762	75653	55962
	86%	84%	84%	47%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-2367	ACIS-2367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	CCD I0 on	O1	N
Observation mode	POINTING	POINTING	CCD I1 on	O2	N
[deg] Pointing RA	95.389523	95.40667666586116	CCD I2 on	O3	Y
[deg] Pointing Dec	16.331508	16.30951117405644	CCD I3 on	O4	Y
[deg] Pointing Roll	275.916728	276.068570959243	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	N	N
[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	N	N
[s] Observation start time (MET)	571089174.184000	571087598.60308	CCD S5 on	N	N
Observation start date	2016-02-05T19:51:46	2016-02-05T19:26:38	Number of optional ACIS chips dropped	2	2
[s] Observation end time (MET)	571104174.184000	571105704.20411	On-chip summing requested	N	N
Observation end date	2016-02-06T00:01:46	2016-02-06T00:28:24	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect



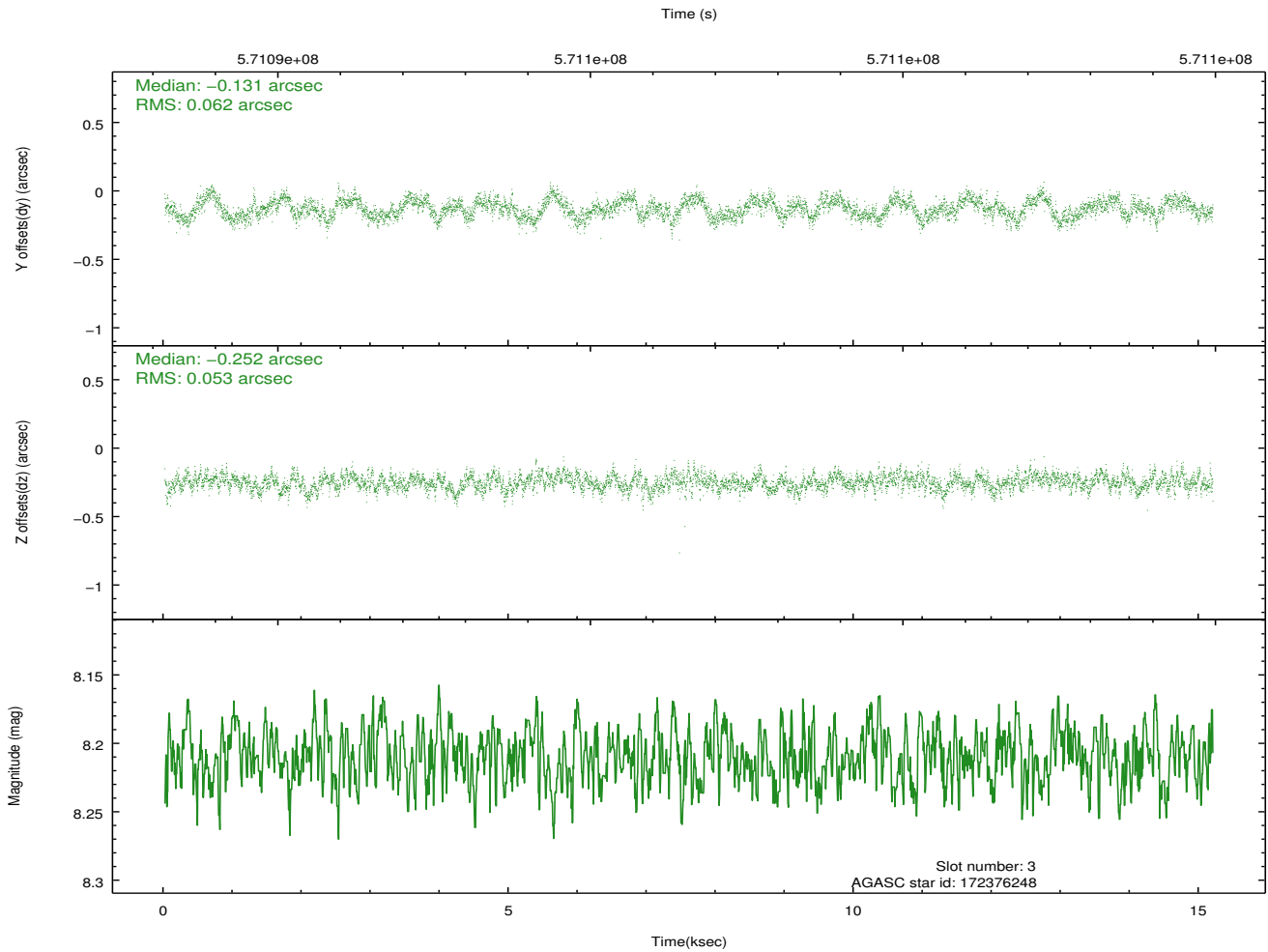
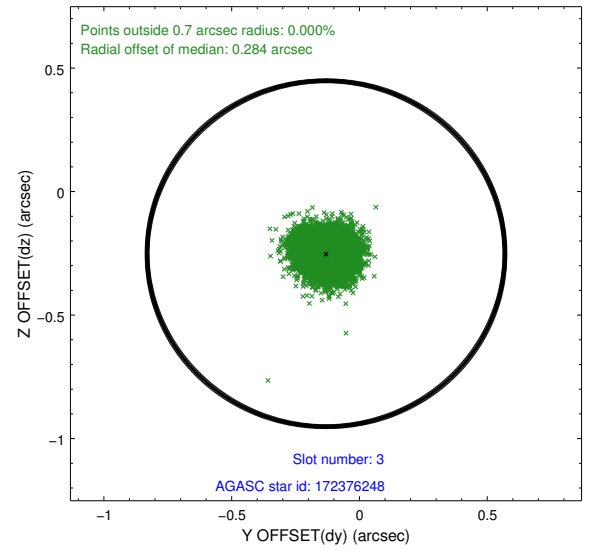
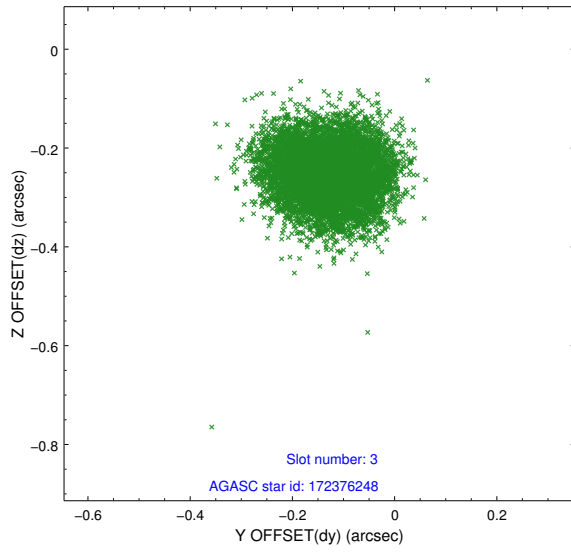


Slot Statistics

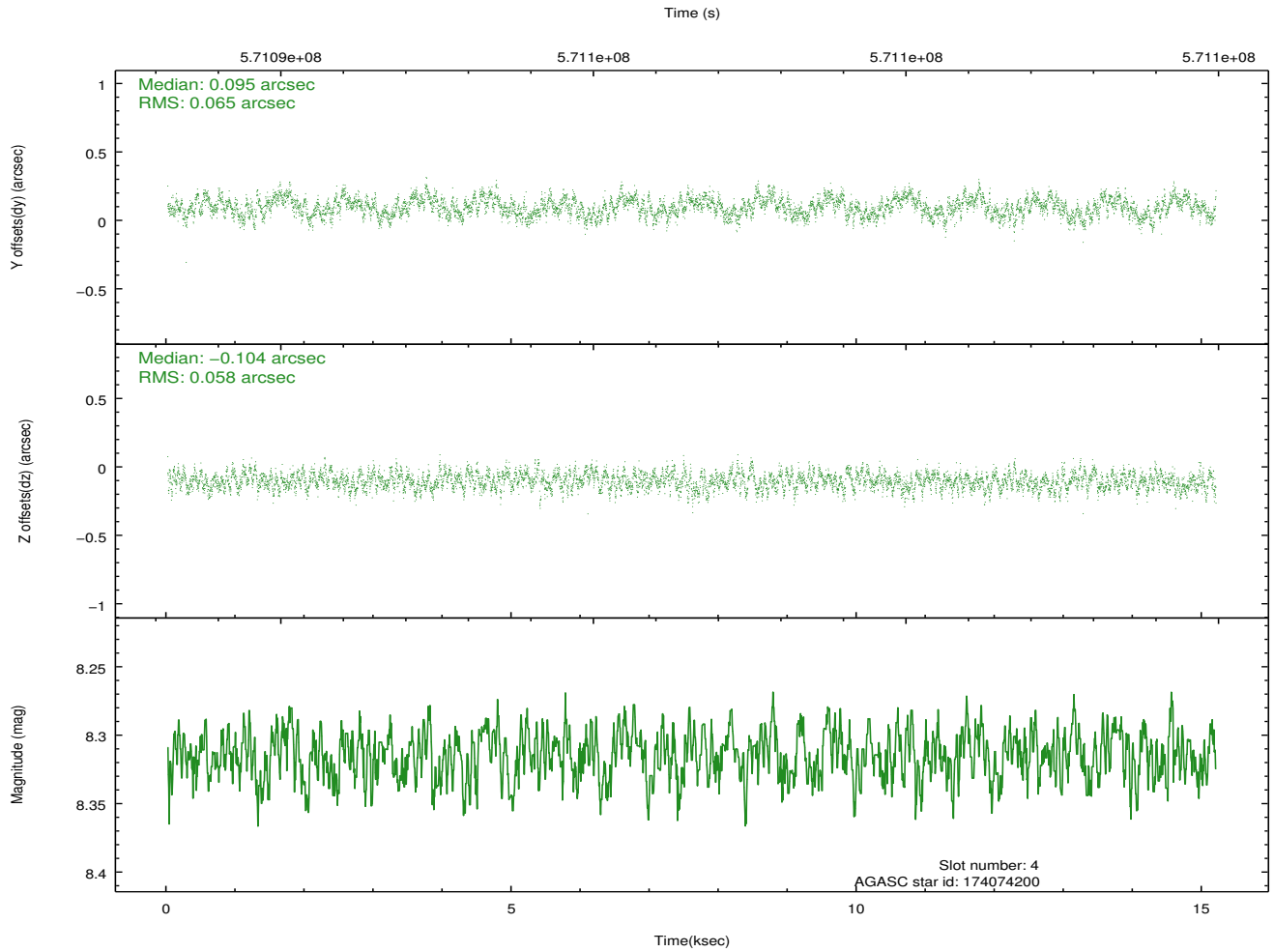
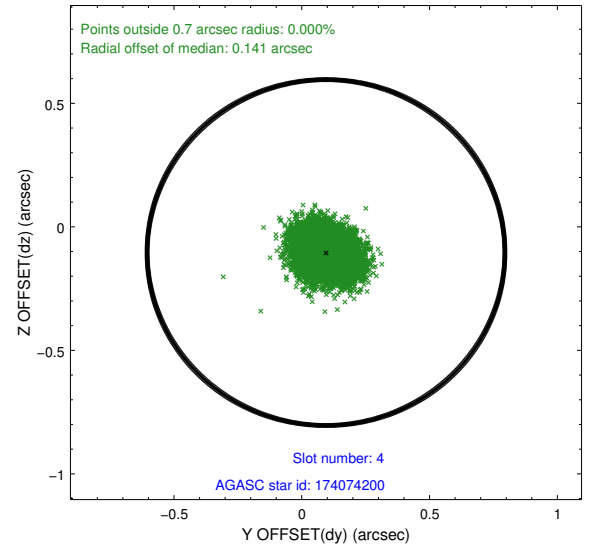
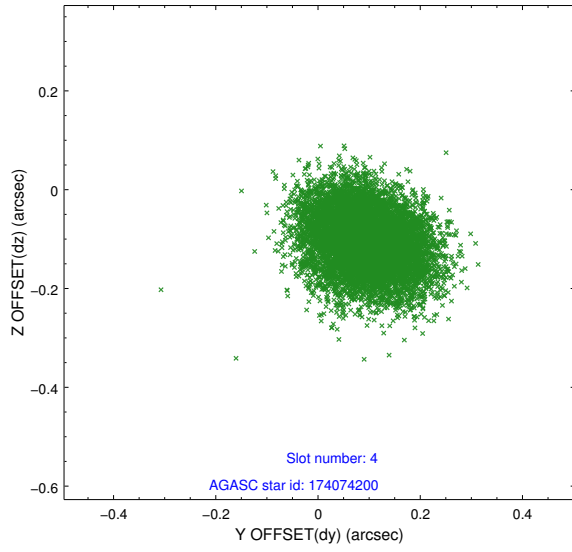
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-2	7.15	3704	-0.172	-0.164	0.007	0.012	0.000000	0.000000	-770.50	-1740.29
1	FID		ACIS-S-4	7.25	3704	0.452	0.127	0.010	0.017	0.000000	0.000000	2143.25	168.19
2	FID		ACIS-S-5	7.26	3703	-0.312	0.046	0.009	0.015	0.000000	0.000000	-1823.11	162.10
3	GUIDE	used	172376248	8.21	7404	-0.131	-0.252	0.089	0.136	95.632175	15.752655	2159.08	621.61
4	GUIDE	used	174074200	8.31	7403	0.095	-0.104	0.095	0.148	96.048763	15.850832	1953.50	2093.23
5	GUIDE	used	172374648	6.77	7407	0.054	0.124	0.097	0.166	94.917385	16.013251	970.34	-1742.64
6	GUIDE	used	172361072	9.23	7408	0.236	0.079	0.176	0.271	94.981736	15.824532	1669.24	-1592.79
7	GUIDE	used	172901720	8.17	7407	-0.234	0.153	0.091	0.155	95.975022	17.043436	-2344.47	2268.99

2.4 Star Slots

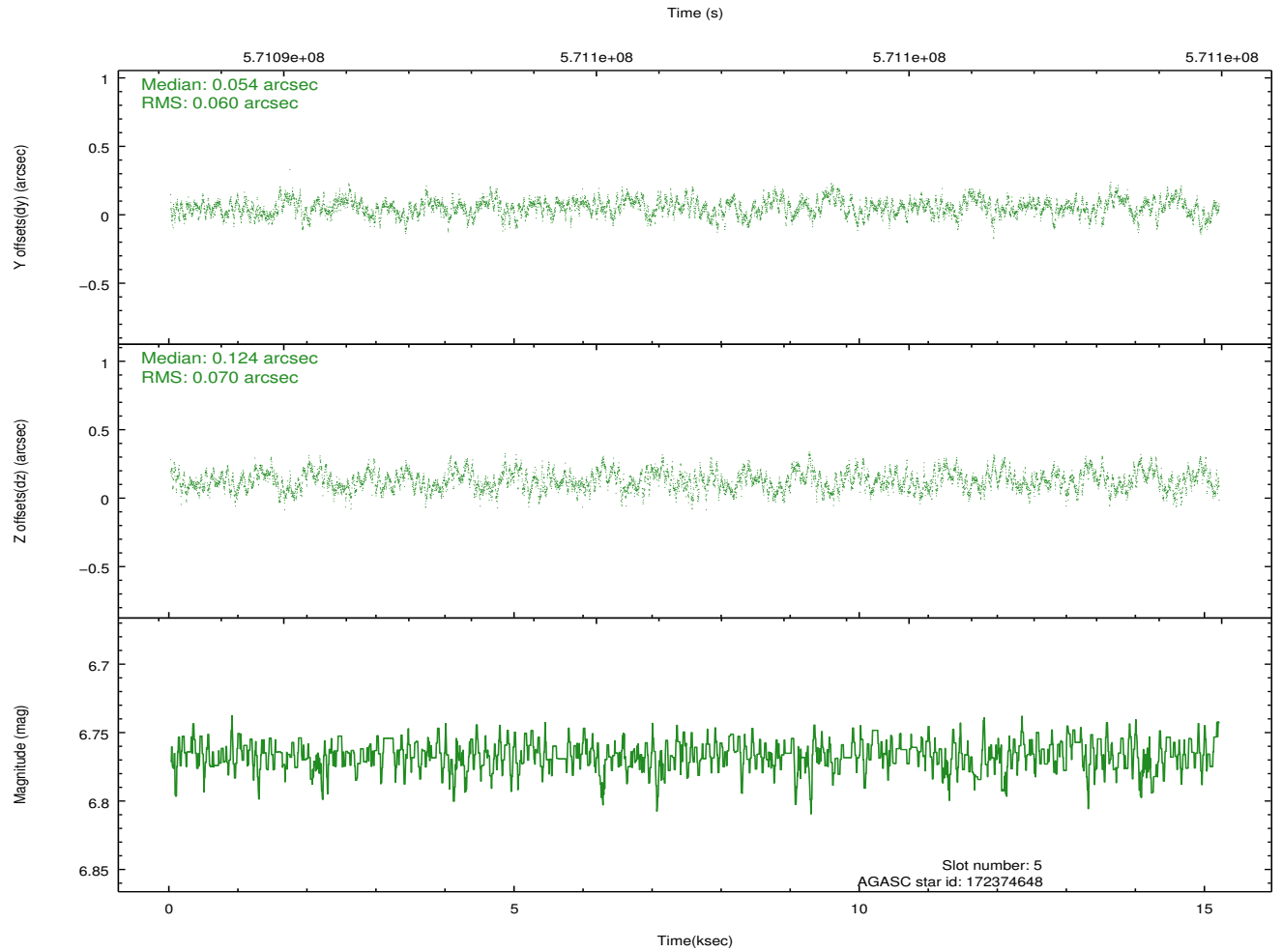
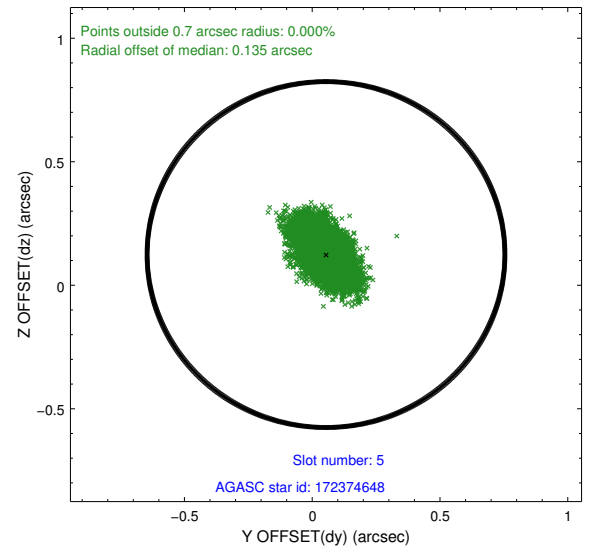
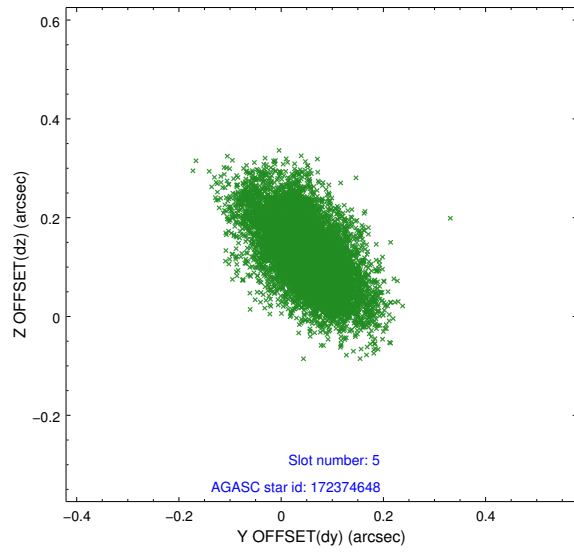
2.4.1 Slot 3



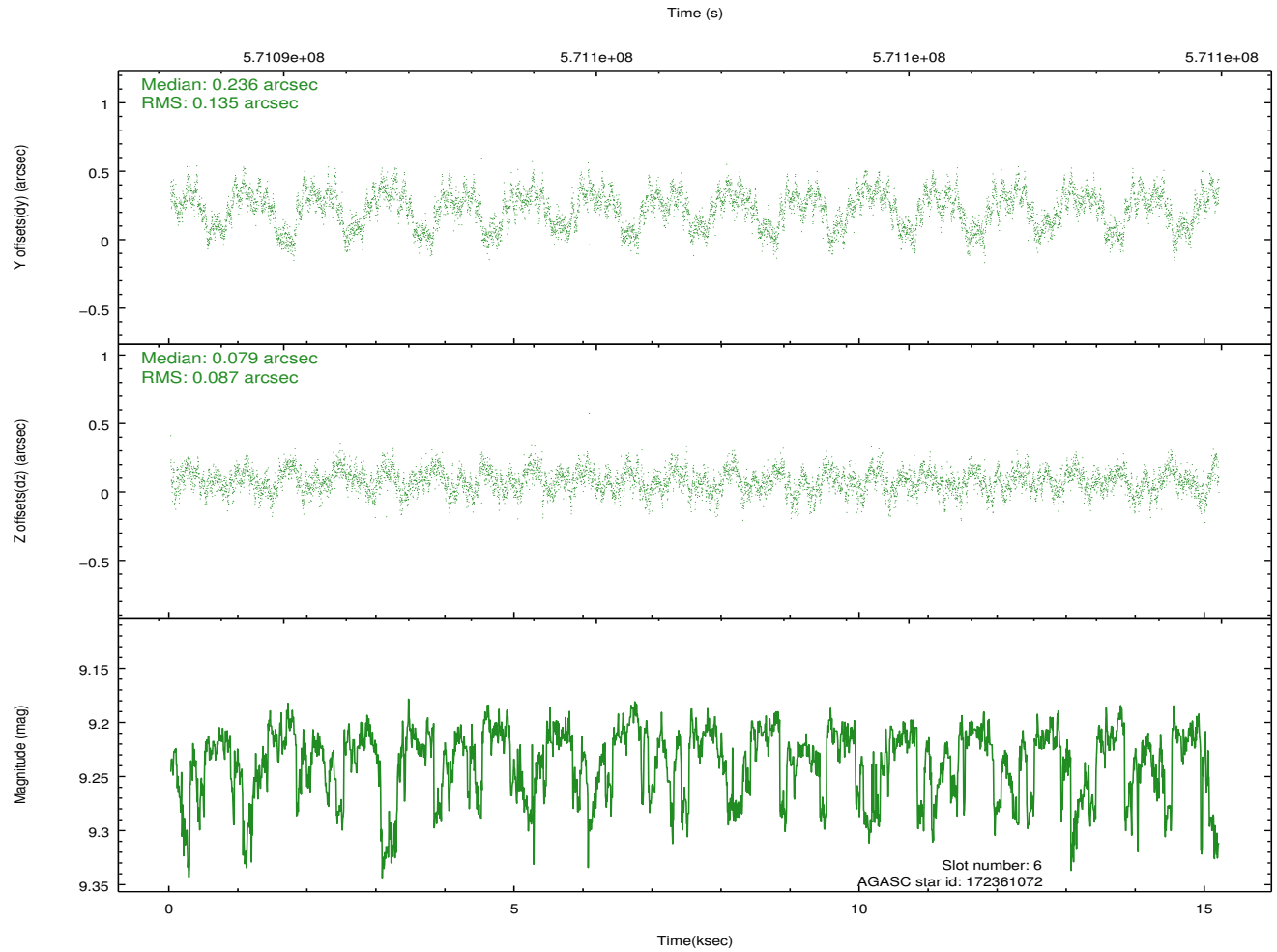
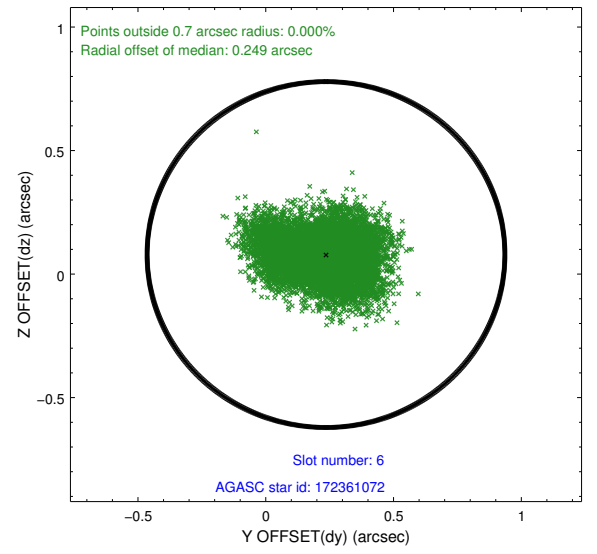
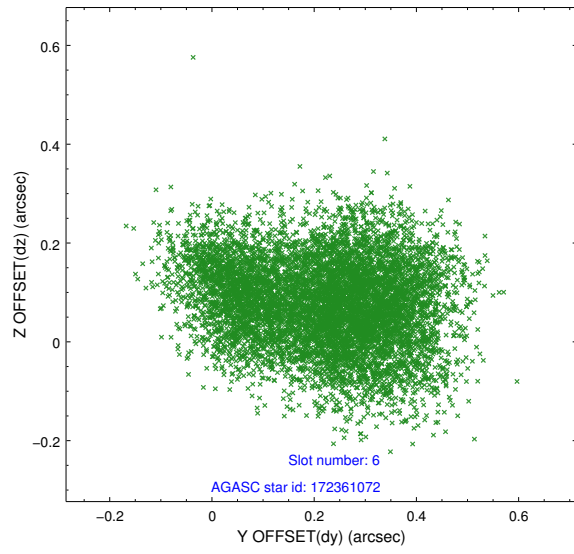
2.4.2 Slot 4



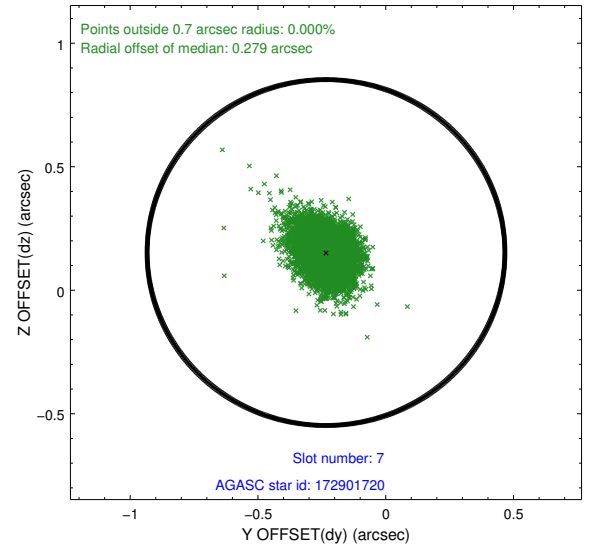
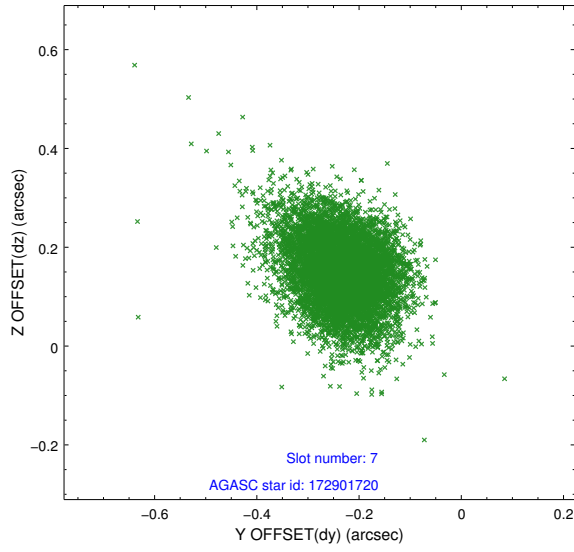
2.4.3 Slot 5



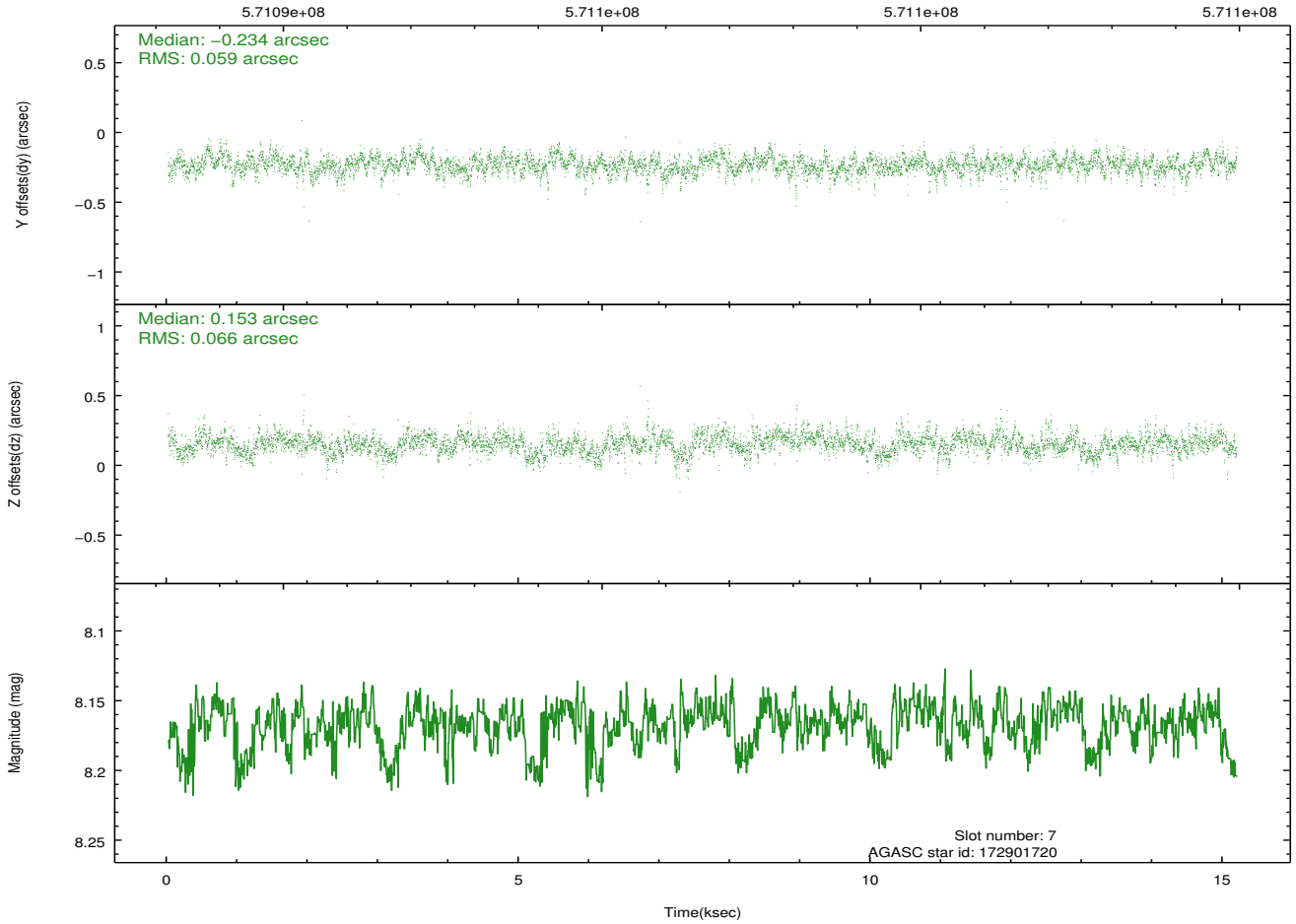
2.4.4 Slot 6



2.4.5 Slot 7

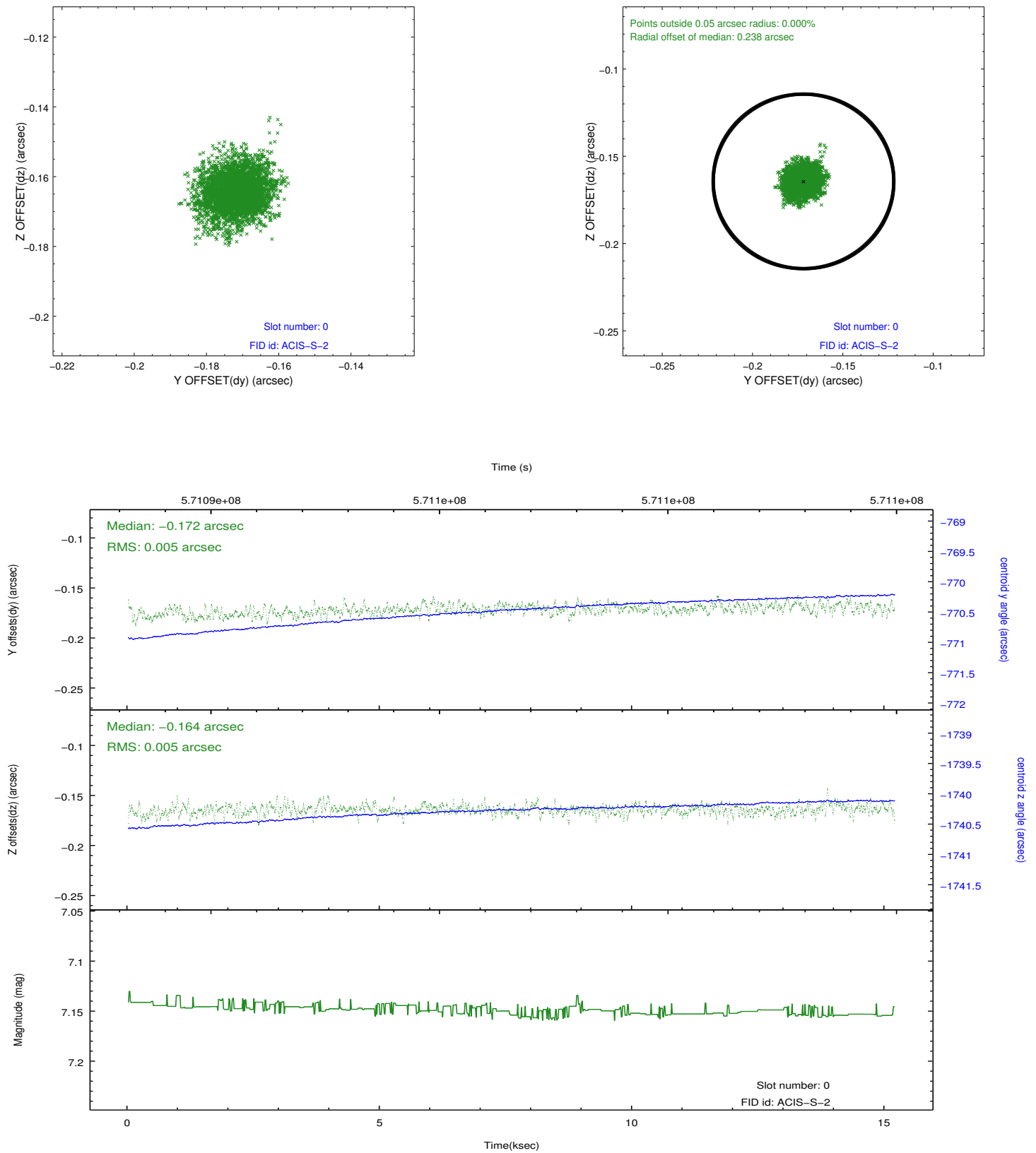


Time (s)

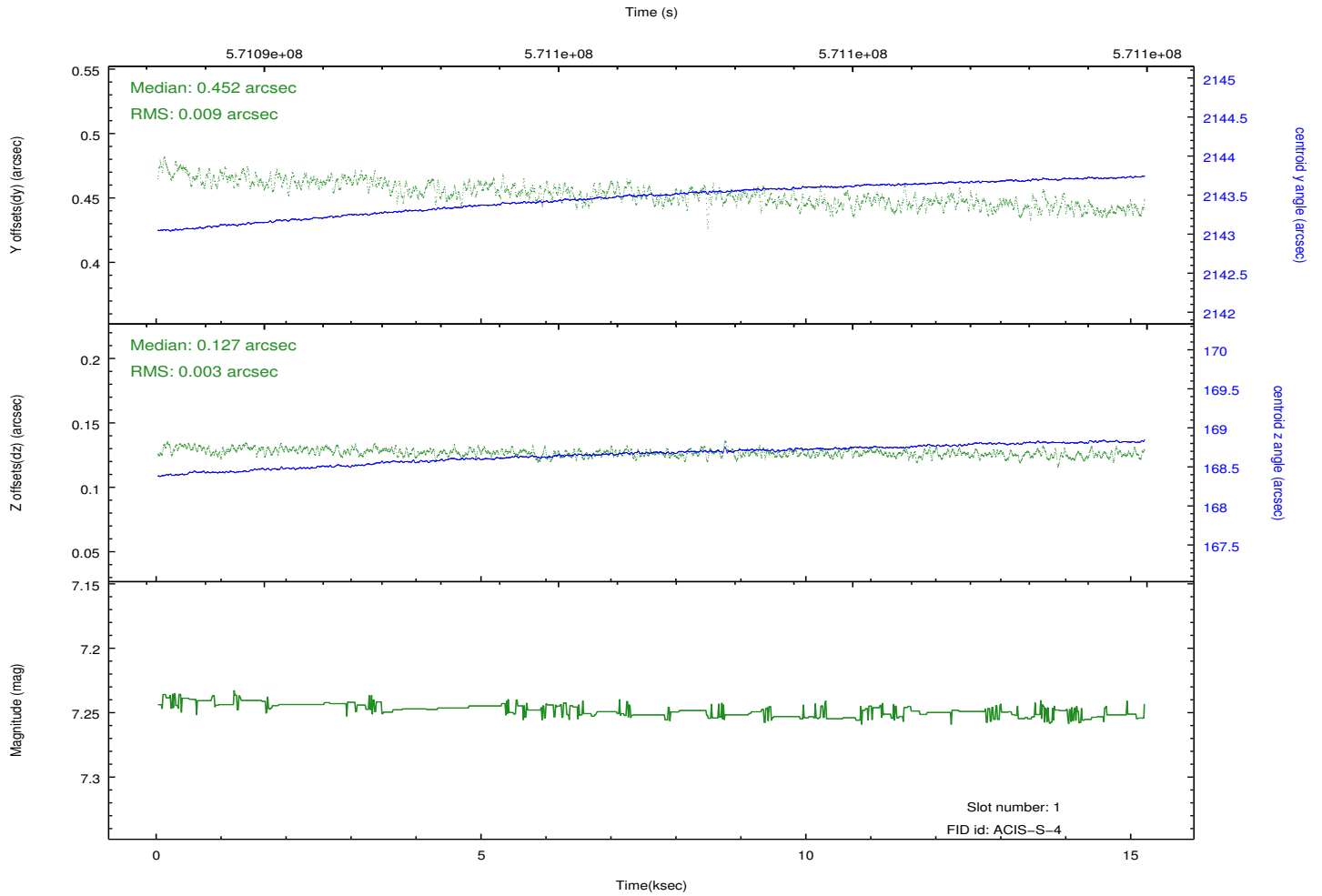
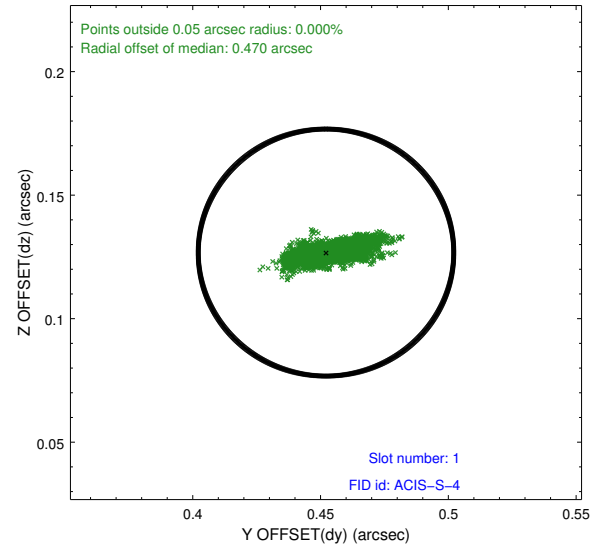
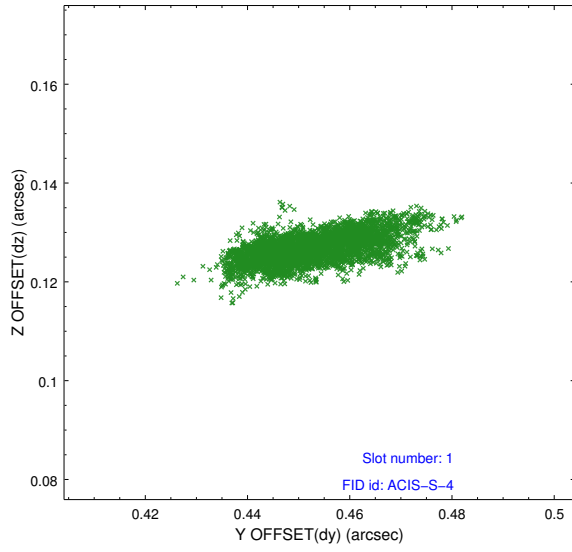


2.5 FID Slots

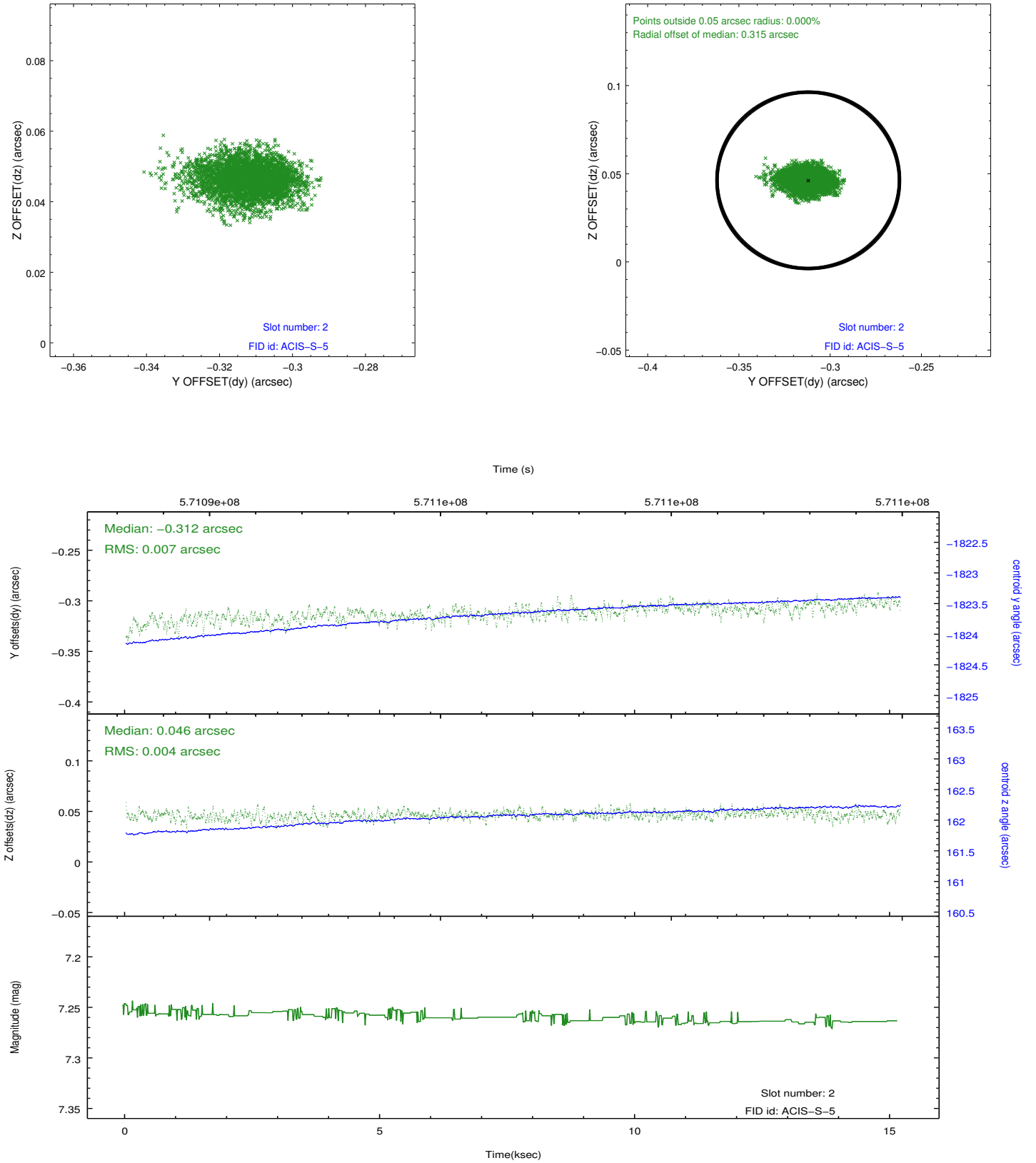
2.5.1 Slot 0



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)	2016.02.06
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	15.072200116038

A.2 Comments

Optional chips I0 and I1 not included.