

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18101 - L2 Version 1
Chandra X-Ray Center

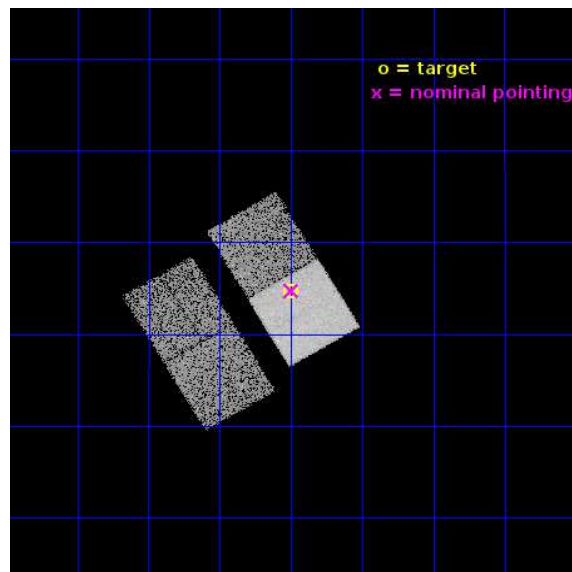
L2 Processing Date : Jan 29 2016

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1 Front

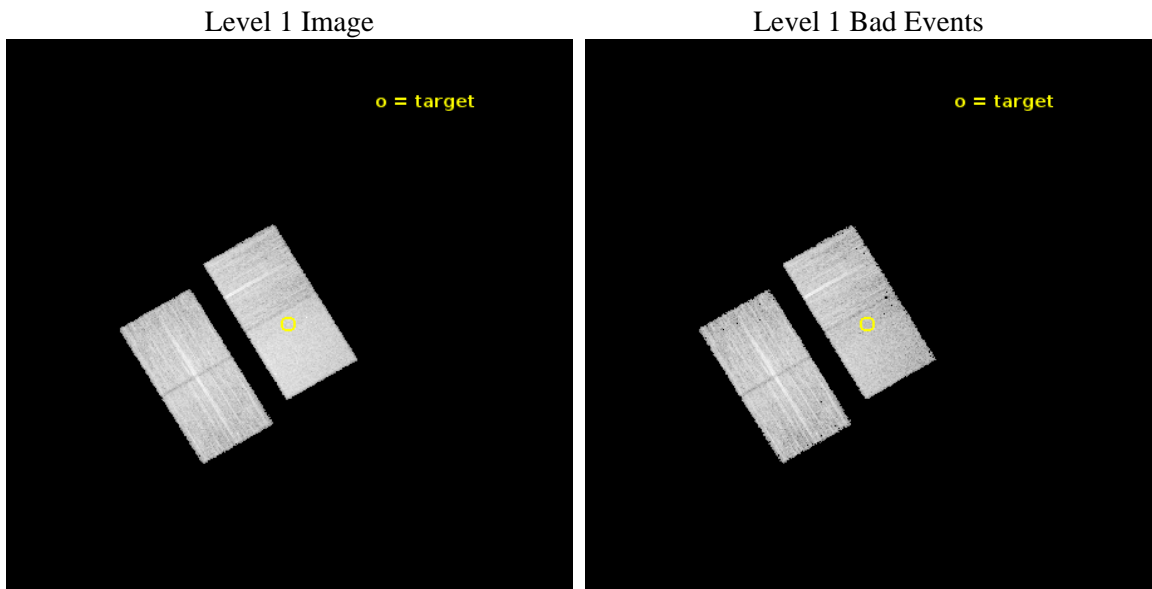
seq_num	703167	Sequence number
obs_id	18101	Observation id
title	Extending the Extragalactic 3CR Chandra Survey to z=1.5	Proposal t
observer	Francesco Massaro	Principal investigator
object	3CR 238	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	152.75125	Observer's specified target RA [deg]
dec_targ	6.411167	Observer's specified target Dec [deg]
ra_nom	152.74923992901	Nominal RA [deg]
dec_nom	6.4125064040092	Nominal Dec [deg]
roll_nom	59.325591463675	Nominal Roll [deg]
revision	1	Processing version of data
ontime	12071.400092959	Sum of GTIs [s]
livetime	11913.678363909	Livetime [s]
ontime2	12071.367617488	Sum of GTIs [s]
ontime3	12071.400092959	Sum of GTIs [s]
ontime6	12071.400092959	Sum of GTIs [s]
ontime7	12071.400092959	Sum of GTIs [s]
l2events	61214	Number of level 2 events



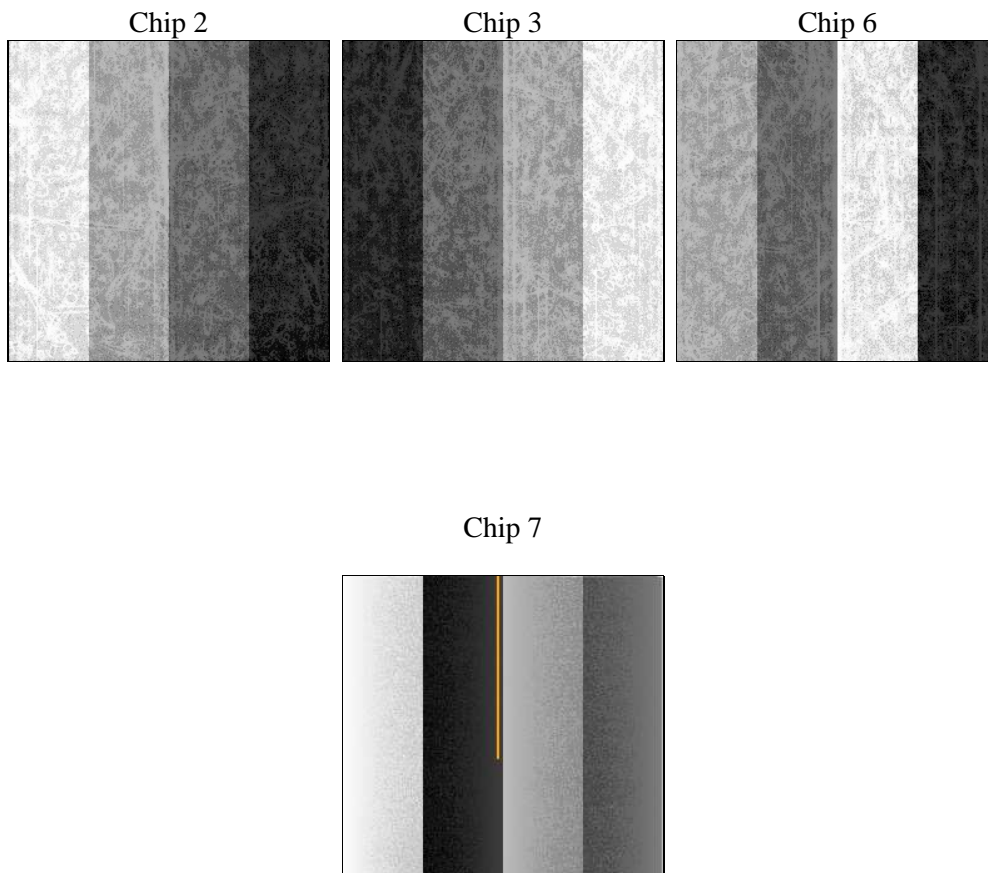
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	12000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	12071.400092959	Sum of GTIs [s]
caldbver	4.7.0	 	ontime2	12071.367617488	Sum of GTIs [s]
date	2016-01-29T11:53:26	Date and time of file creation	ontime3	12071.400092959	Sum of GTIs [s]
revision	1	Processing version of data	ontime6	12071.400092959	Sum of GTIs [s]
			ontime7	12071.400092959	Sum of GTIs [s]
			l1events	311571	Number of level 1 events

2.1.4 Events

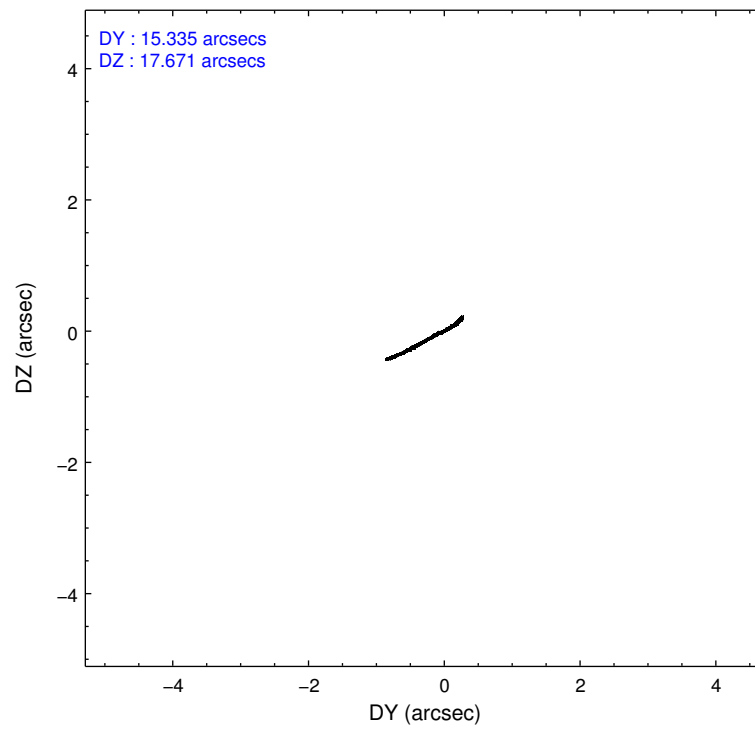
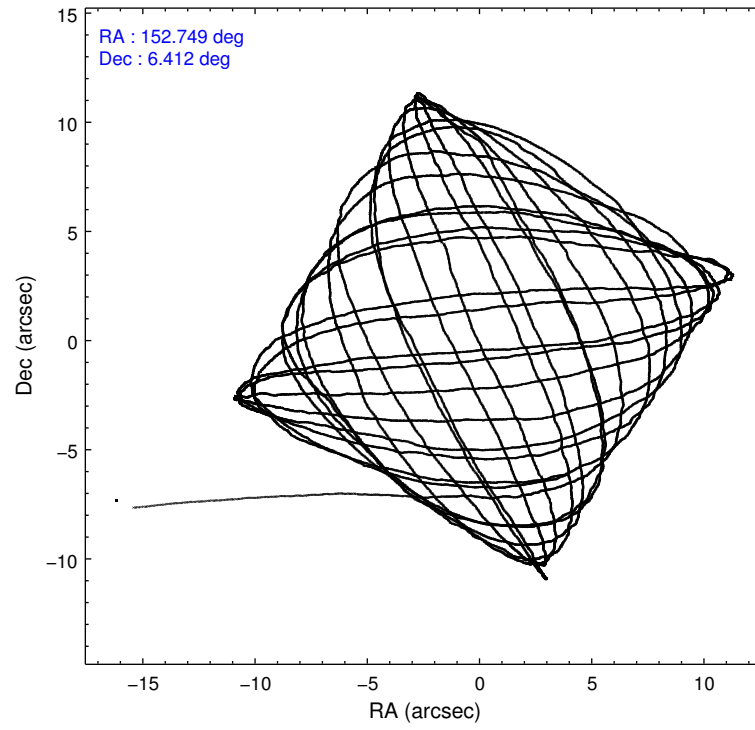
	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	73488	70297	72324	95462
rejected events	65637	62721	63846	53830
rejected %	89%	89%	88%	56%

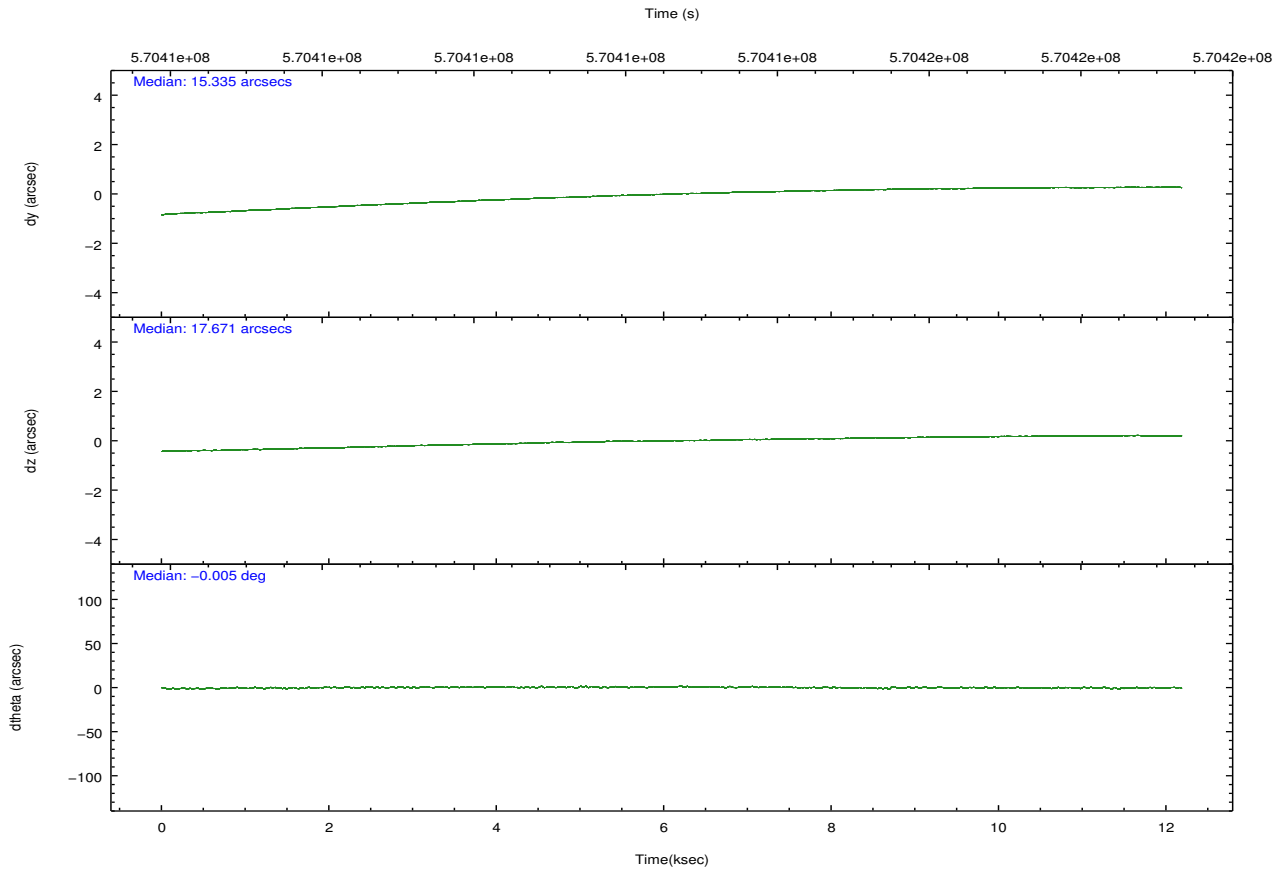
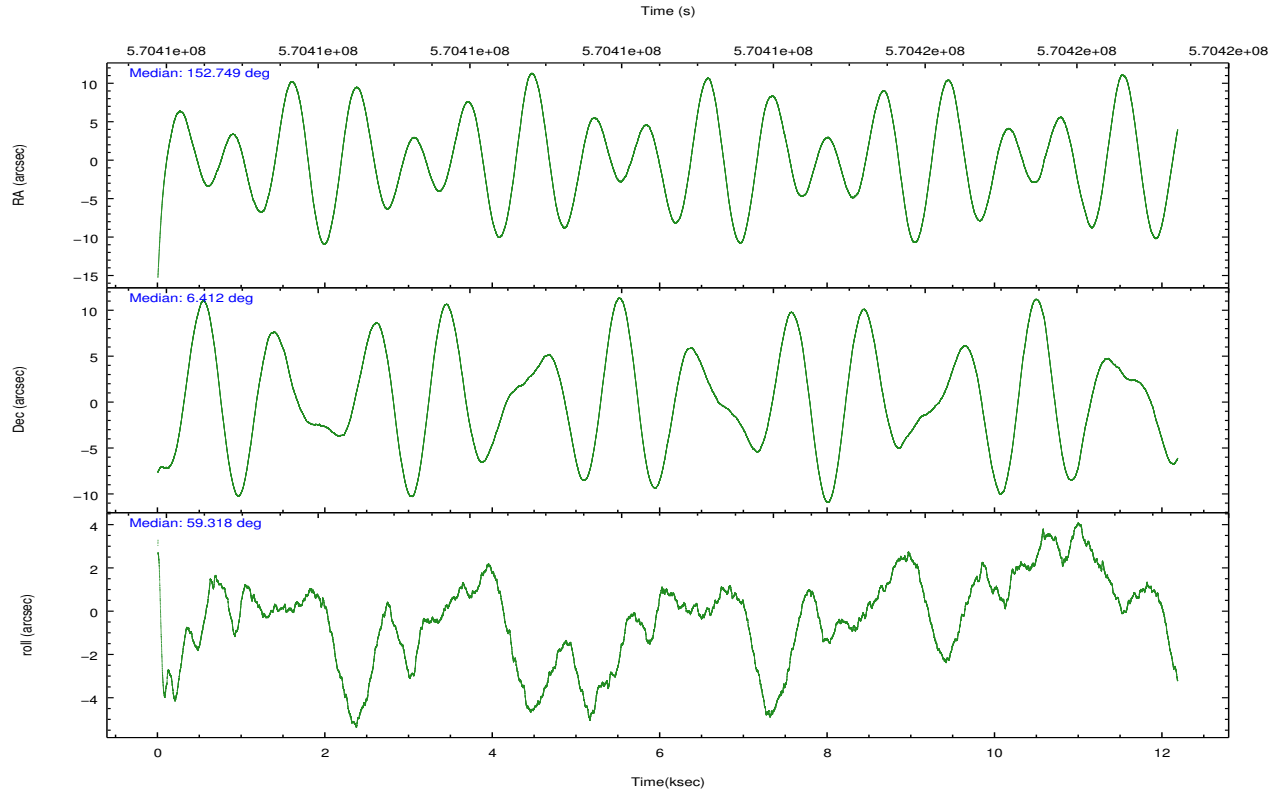
	ccd 2	ccd 3	ccd 6	ccd 7
grade 0 events	2779	2574	2900	3538
	3%	3%	4%	3%
grade 1 events	32	40	38	94
	0%	0%	0%	0%
grade 2 events	1908	1668	2009	8890
	2%	2%	2%	9%
grade 3 events	855	841	850	3376
	1%	1%	1%	3%
grade 4 events	801	819	821	3368
	1%	1%	1%	3%
grade 5 events	3012	3542	3628	9668
	4%	5%	5%	10%
grade 6 events	1512	1679	1901	22481
	2%	2%	2%	23%
grade 7 events	62589	59134	60177	44047
	85%	84%	83%	46%

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	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	152.749301	152.7492399290053	CCD I2 on	O1	Y
[deg] Pointing Dec	6.385087	6.412506404009211	CCD I3 on	O2	Y
[deg] Pointing Roll	59.168939	59.32559146367482	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	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	N	N
[s] Observation start time (MET)	570406717.184000	570405805.97681	CCD S5 on	N	N
Observation start date	2016-01-28T22:17:29	2016-01-28T22:03:25	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	570418717.184000	570419764.42761	On-chip summing requested	N	N
Observation end date	2016-01-29T01:37:29	2016-01-29T01:56:04	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.1

2.3 Aspect





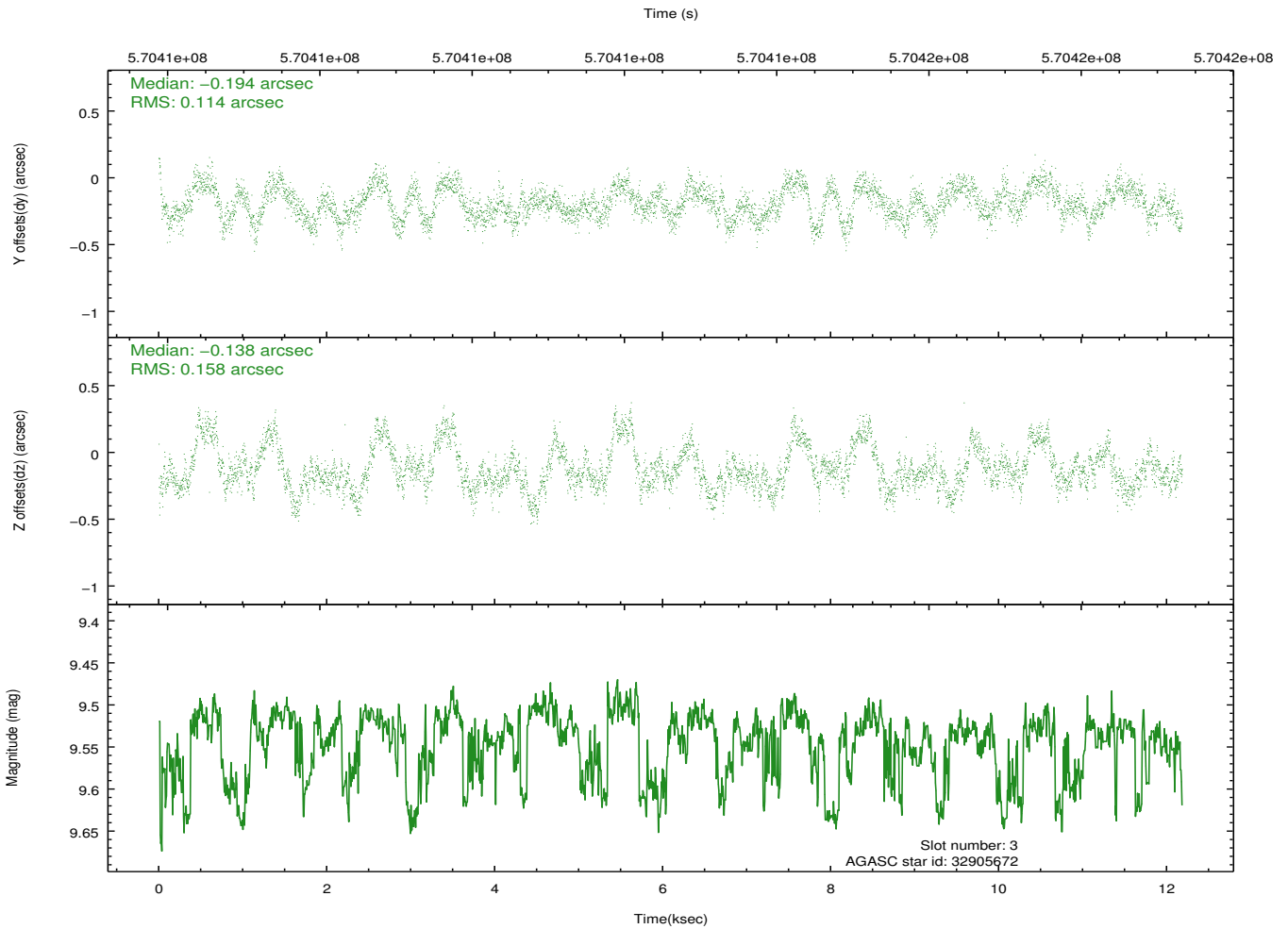
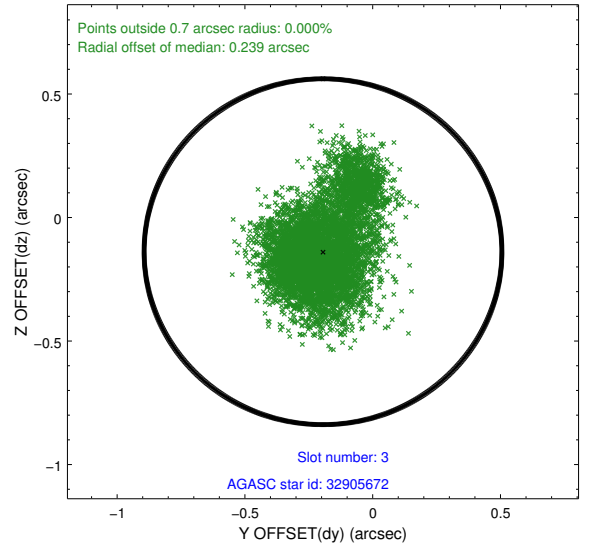
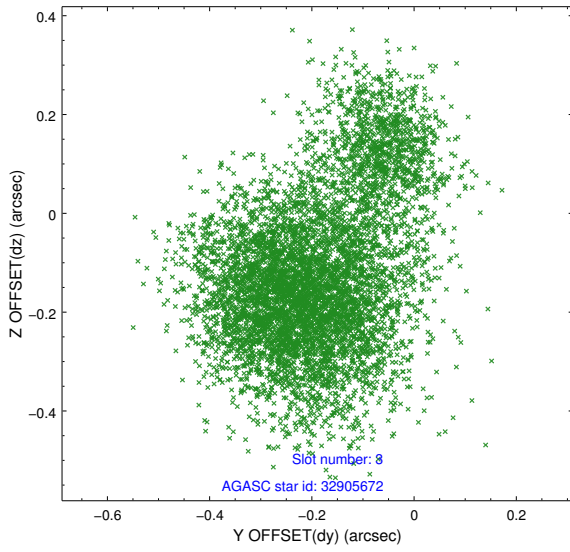
Slot Statistics

slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		ACIS-S-1	7.21	2971	0.065	-0.054	0.015	0.026	0.000000	0.000000	927.88	-1734.77
1	FID		ACIS-S-4	7.22	2972	0.324	0.010	0.007	0.012	0.000000	0.000000	2145.77	169.03
2	FID		ACIS-S-5	7.23	2972	-0.415	0.056	0.013	0.021	0.000000	0.000000	-1820.94	163.13
3	GUIDE	used	32905672	9.54	5941	-0.194	-0.138	0.203	0.354	152.871431	6.515733	628.04	-133.75
4	GUIDE	used	32906088	8.57	5943	-0.000	-0.253	0.098	0.158	153.112067	6.666699	1535.94	-594.25
5	GUIDE	used	32910752	9.29	5937	0.327	0.006	0.118	0.188	152.943593	6.207682	-190.79	-924.14
6	GUIDE	used	32911872	7.50	5943	0.160	0.045	0.097	0.143	152.796739	6.168055	-583.24	-546.10
7	GUIDE	used	32778488	8.62	5940	-0.297	0.323	0.126	0.195	151.923661	6.292767	-1797.86	2368.13

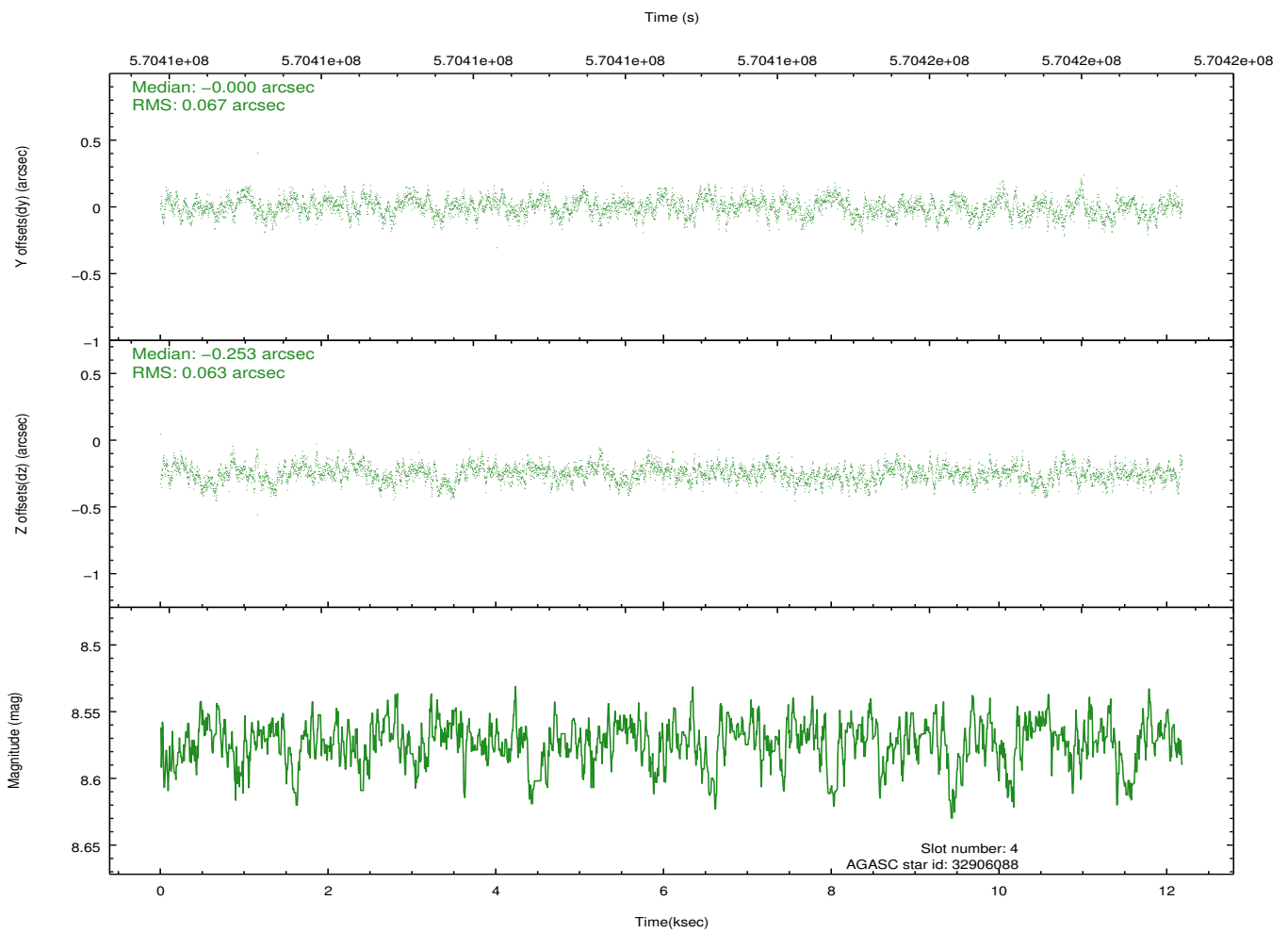
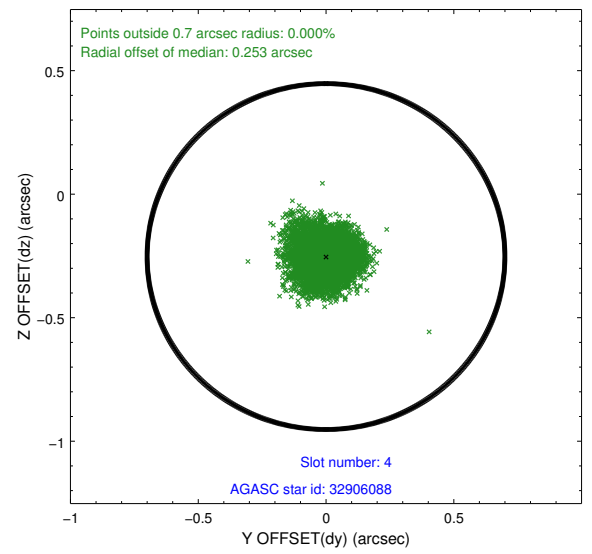
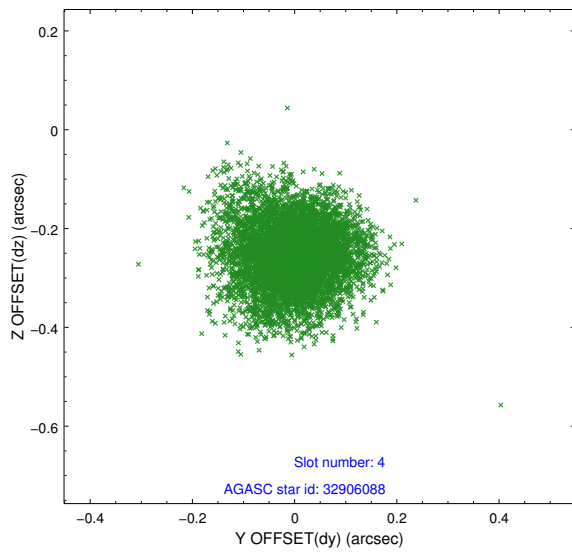
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2.4 Star Slots

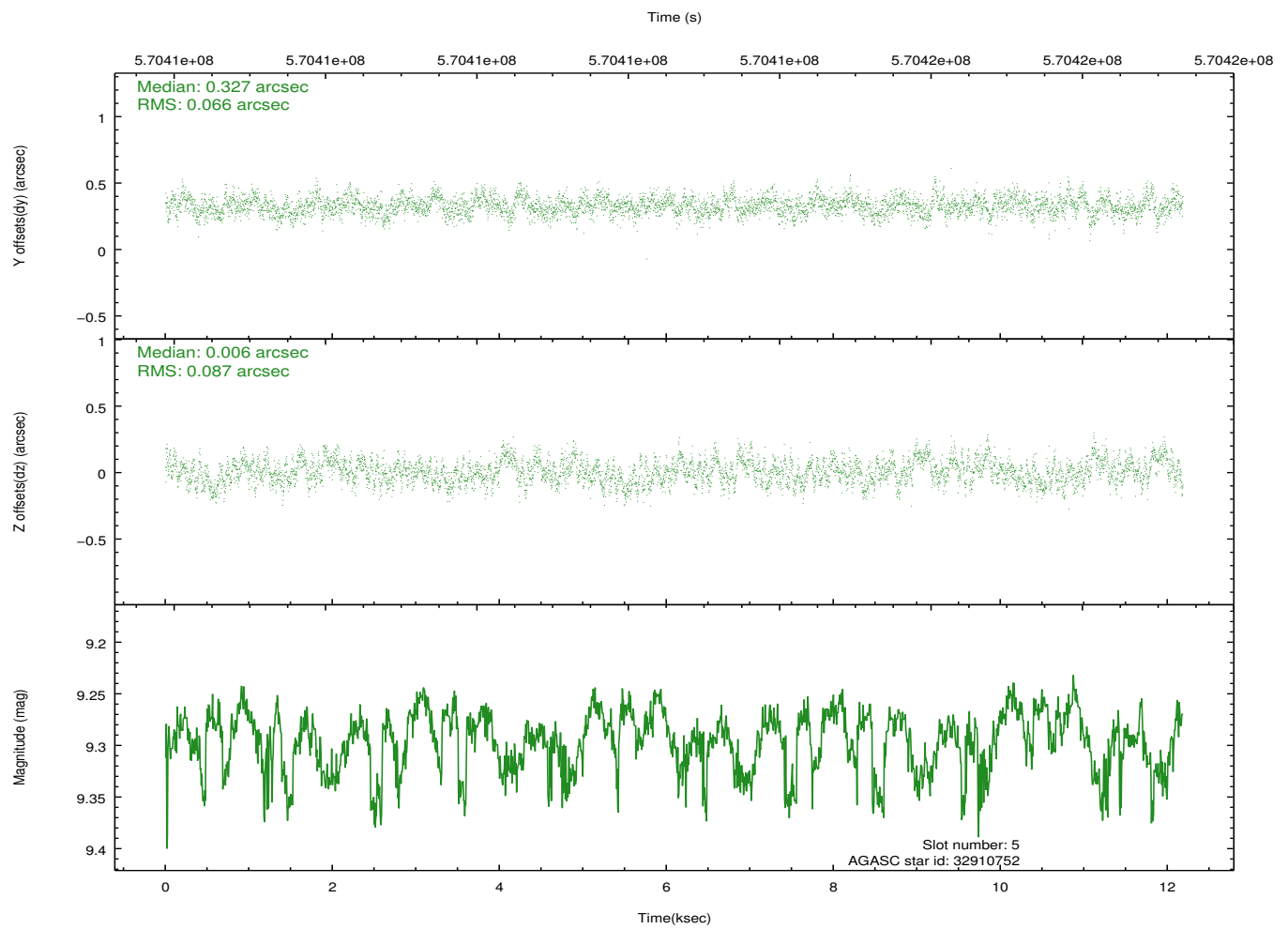
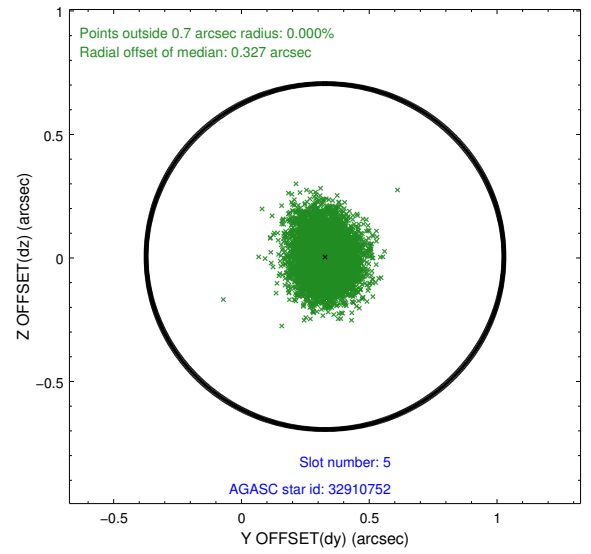
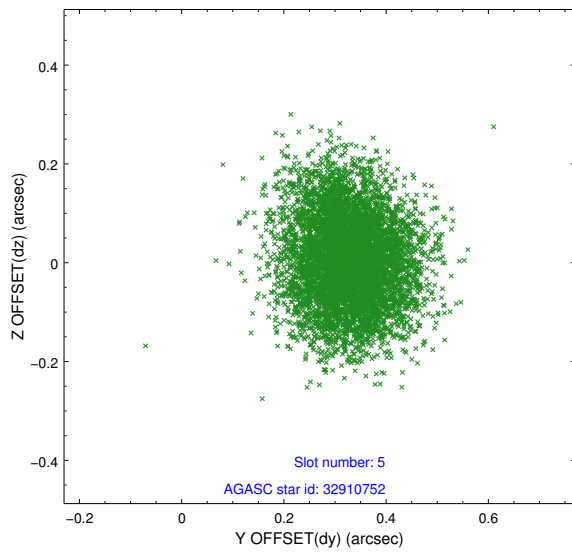
2.4.1 Slot 3



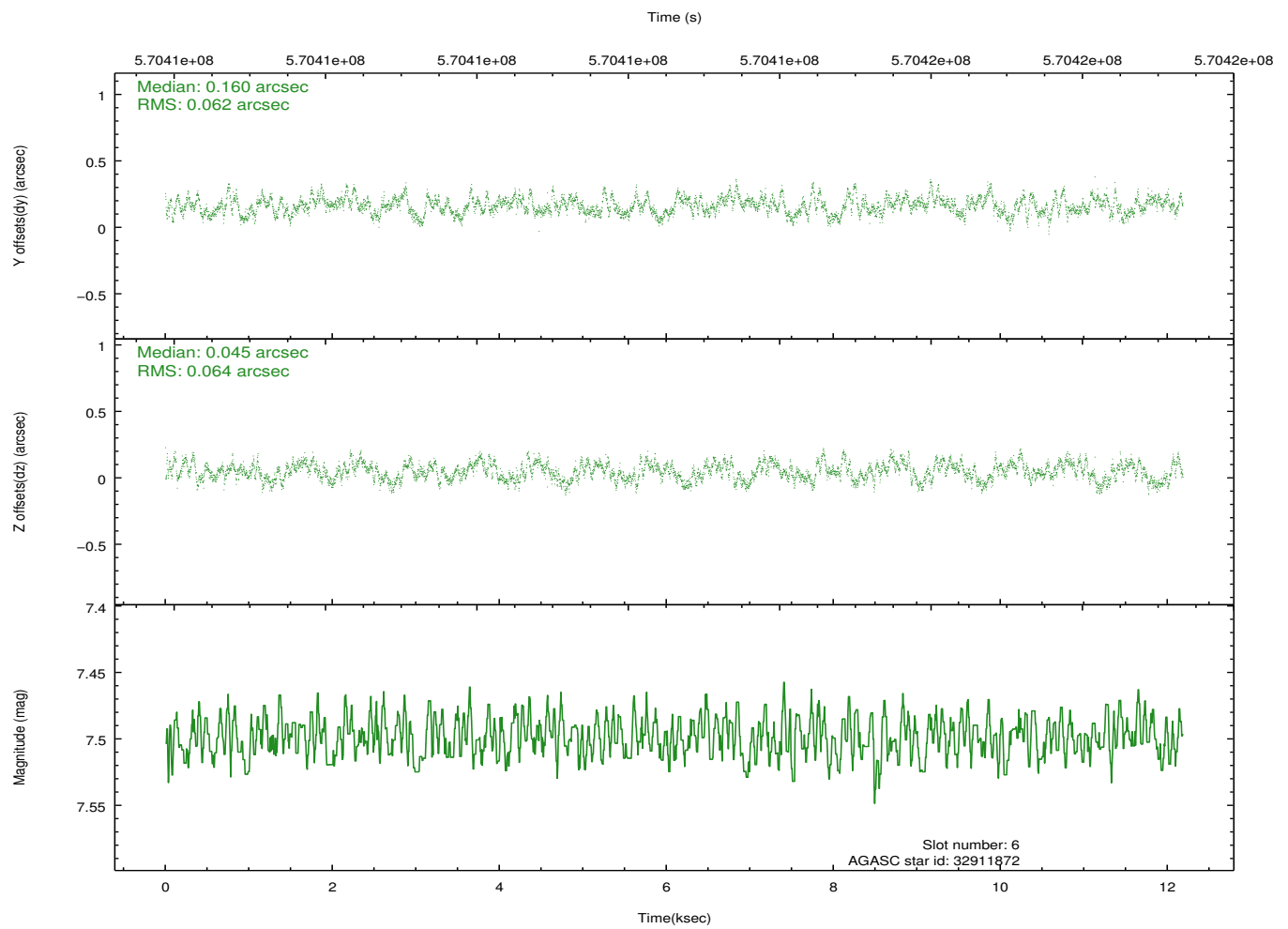
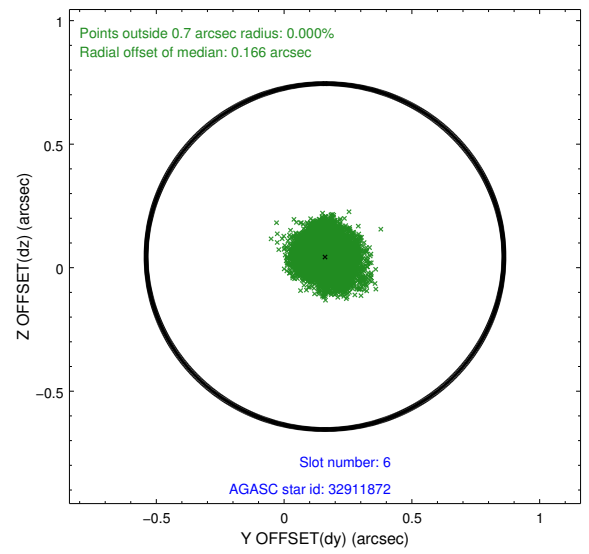
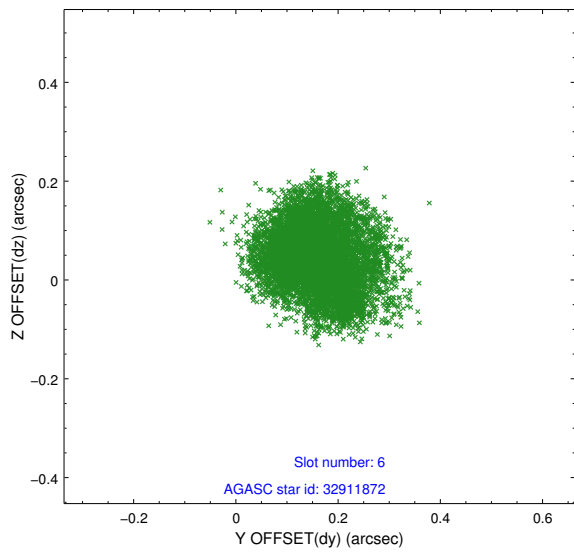
2.4.2 Slot 4



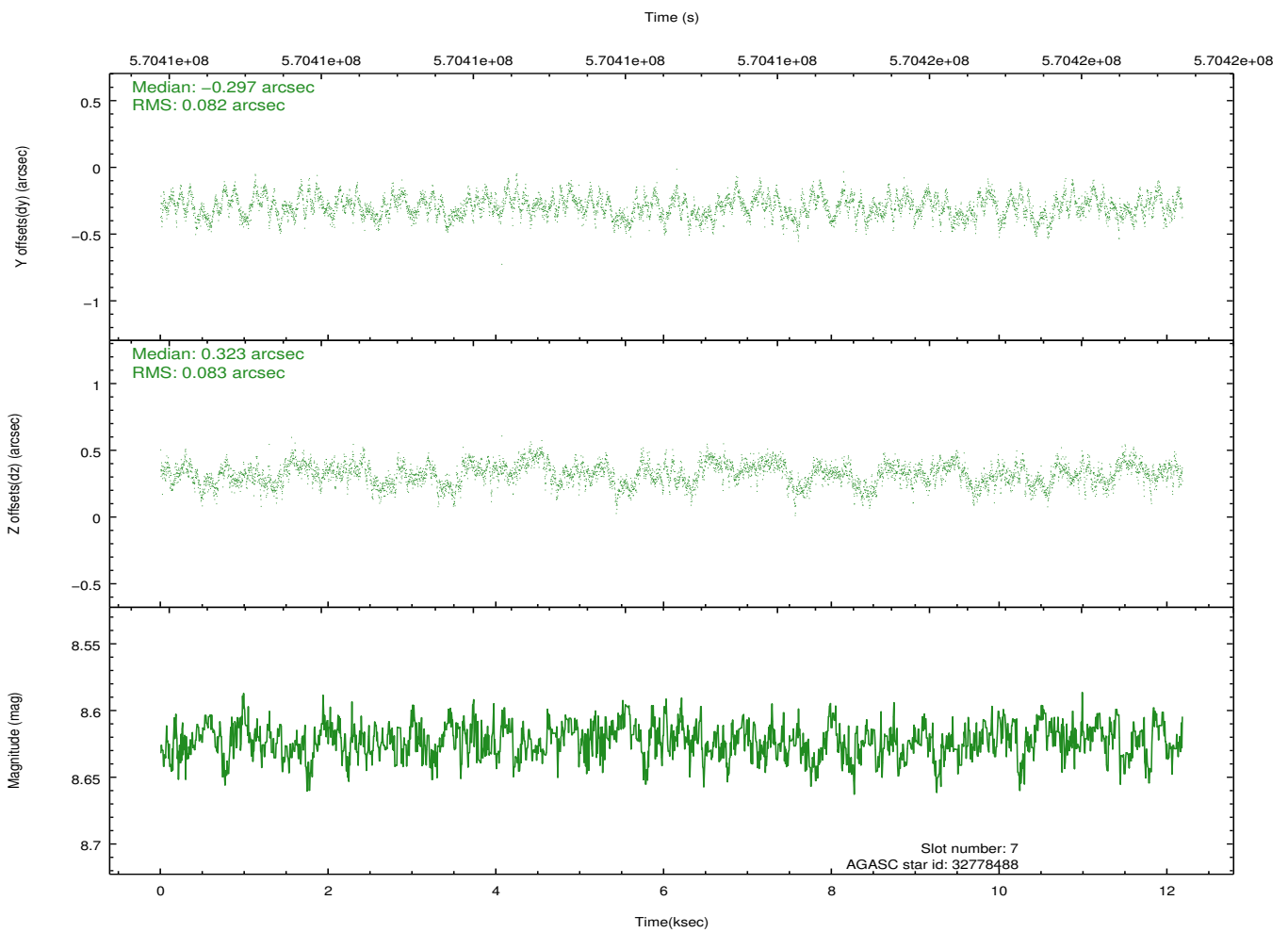
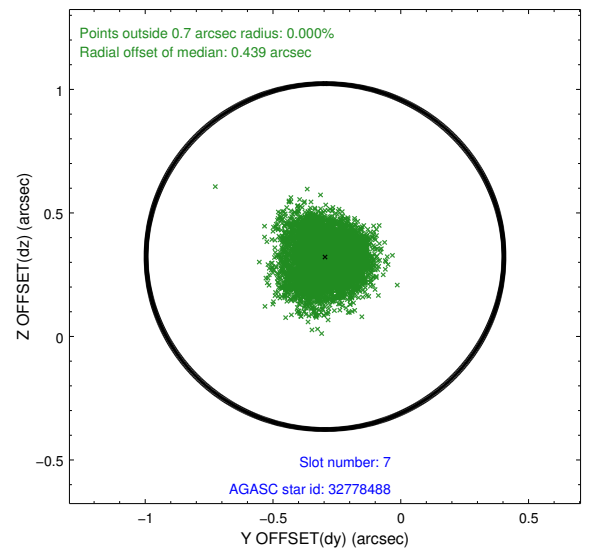
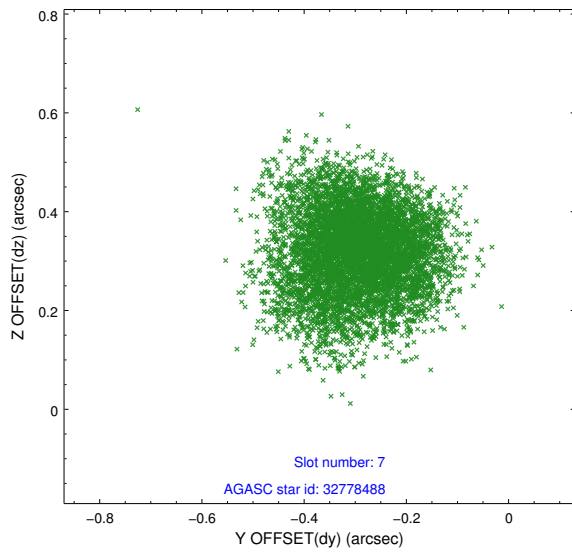
2.4.3 Slot 5



2.4.4 Slot 6

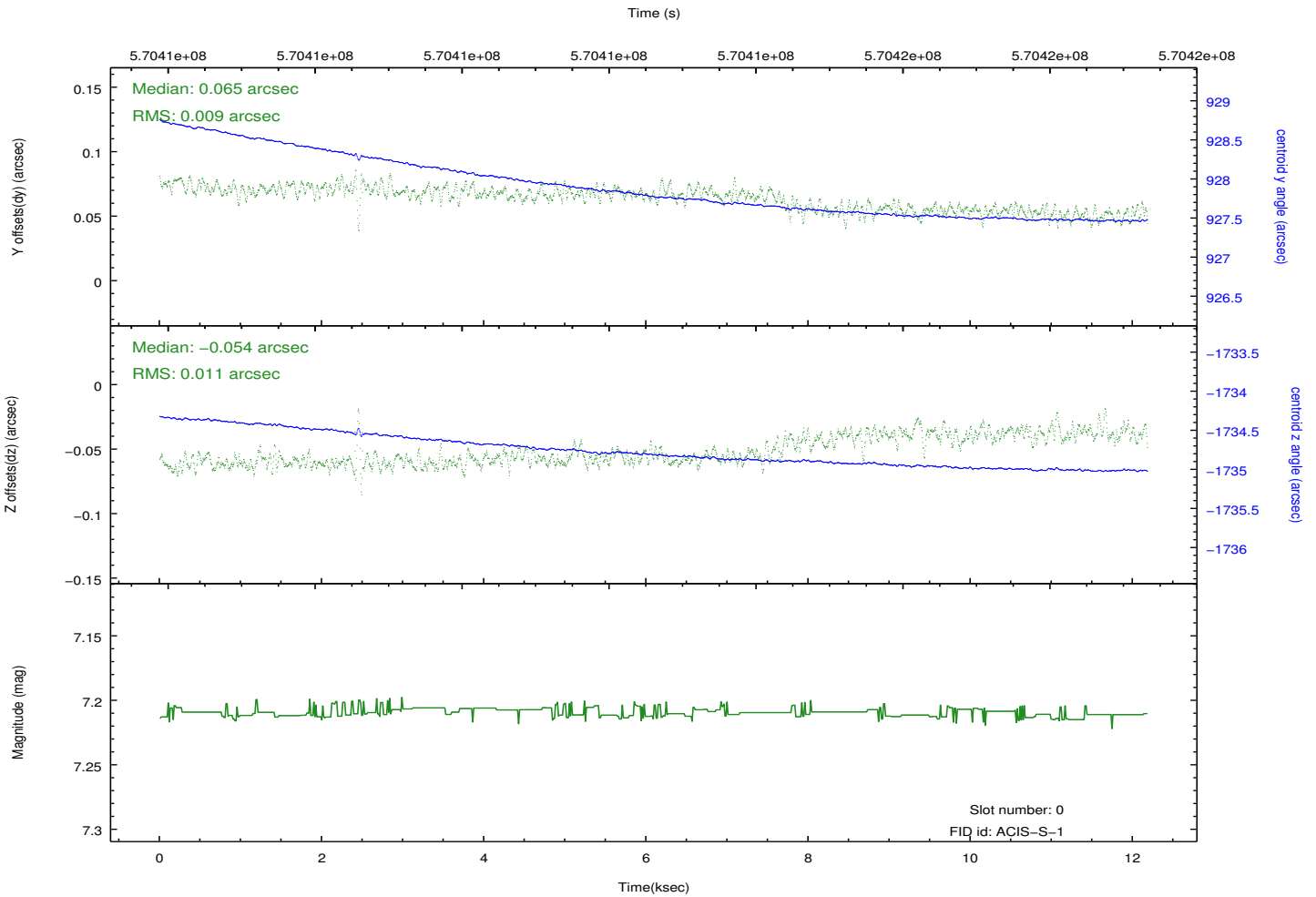
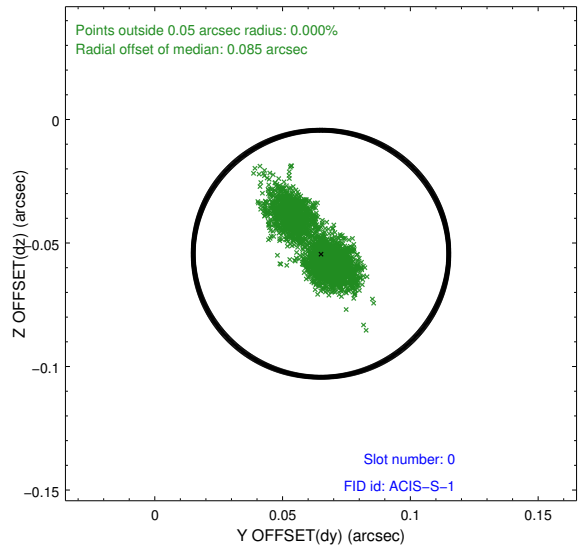
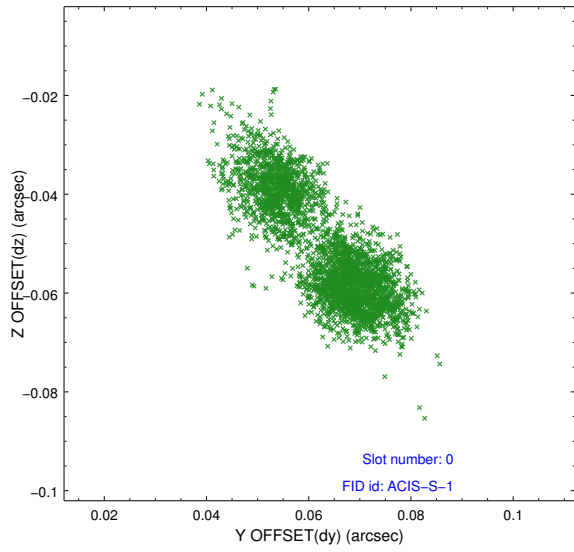


2.4.5 Slot 7

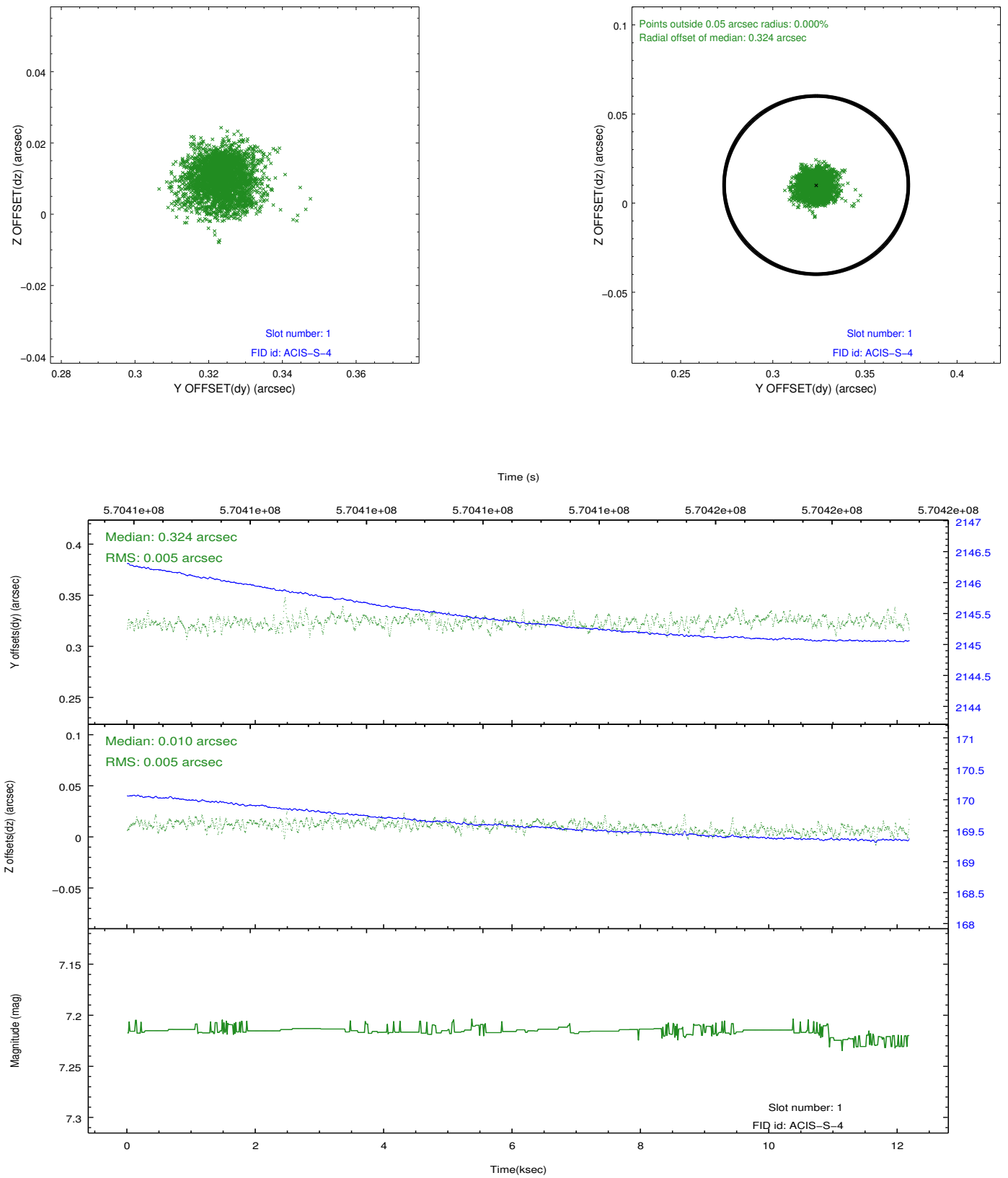


2.5 FID Slots

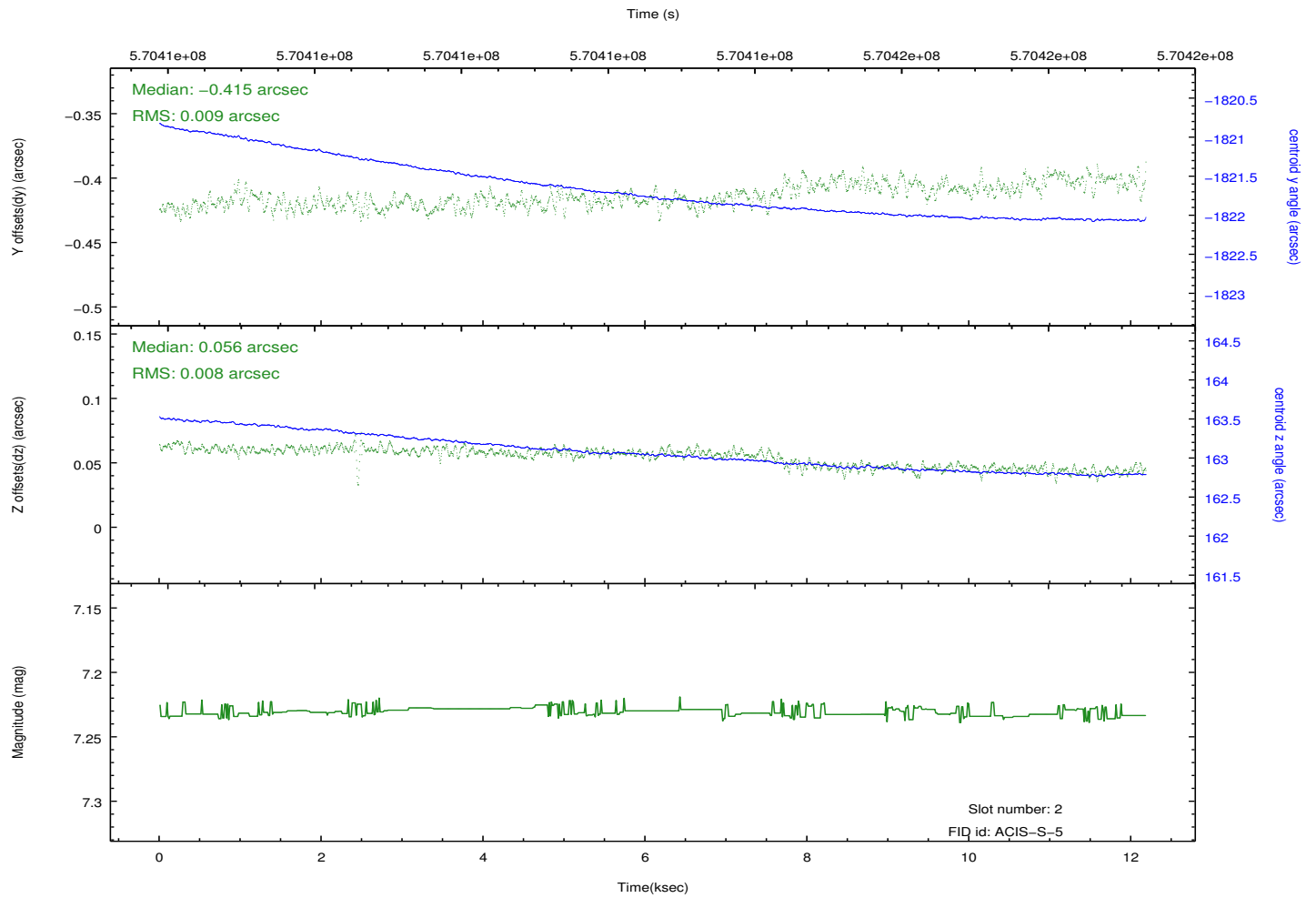
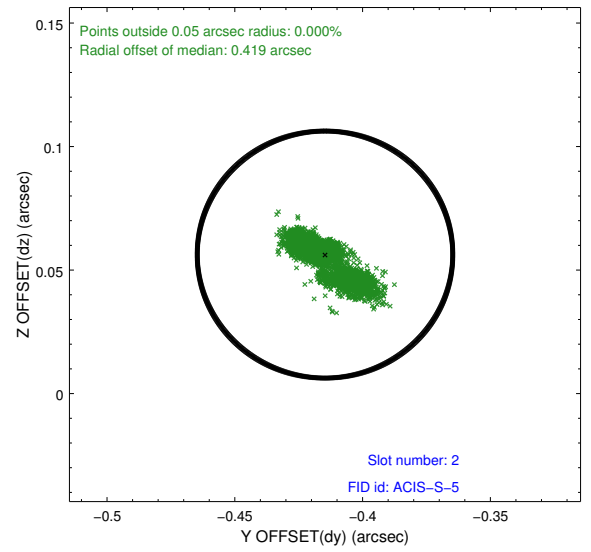
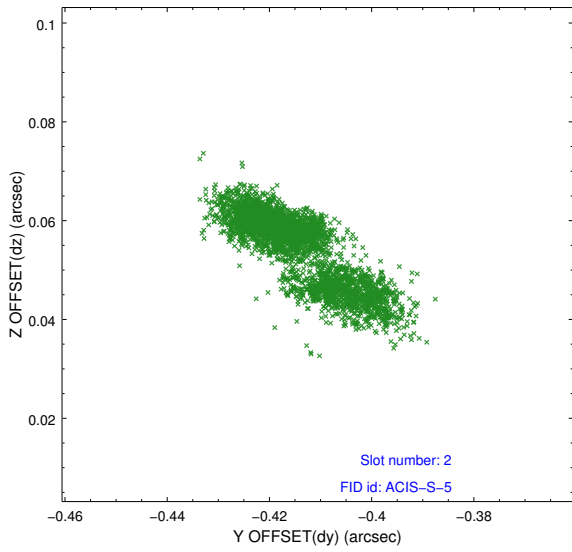
2.5.1 Slot 0



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)	2016.01.29
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	12.071400092959

A.2 Comments