

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 8518 - L2 Version 3
Chandra X-Ray Center

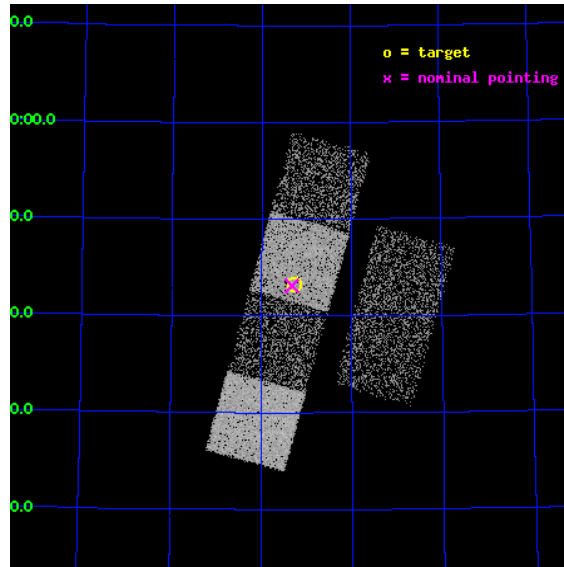
L2 Processing Date : Apr 20 2012

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1 Front

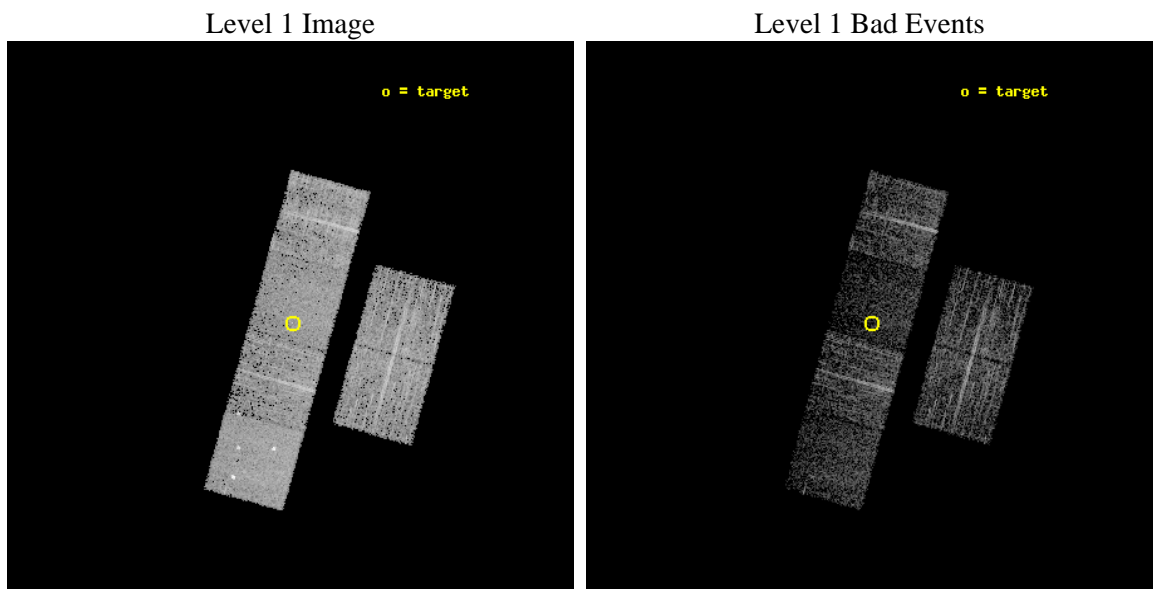
seq_num	500822	Sequence number
obs_id	8518	Observation id
title	Localization of SN 2005kd	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2005kd	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	60.820417	Observer's specified target RA [deg]
dec_targ	71.721917	Observer's specified target Dec [deg]
ra_nom	60.832302188791	Nominal RA [deg]
dec_nom	71.718682482918	Nominal Dec [deg]
roll_nom	285.48036544171	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3043.1999887228	Sum of GTIs [s]
livetime	3004.6651580706	Livetime [s]
ontime2	3043.1999887228	Sum of GTIs [s]
ontime3	3043.1999887228	Sum of GTIs [s]
ontime5	3043.1999887228	Sum of GTIs [s]
ontime6	3043.1999887228	Sum of GTIs [s]
ontime7	3043.1999887228	Sum of GTIs [s]
ontime8	3043.1999887228	Sum of GTIs [s]
l2events	31088	Number of level 2 events



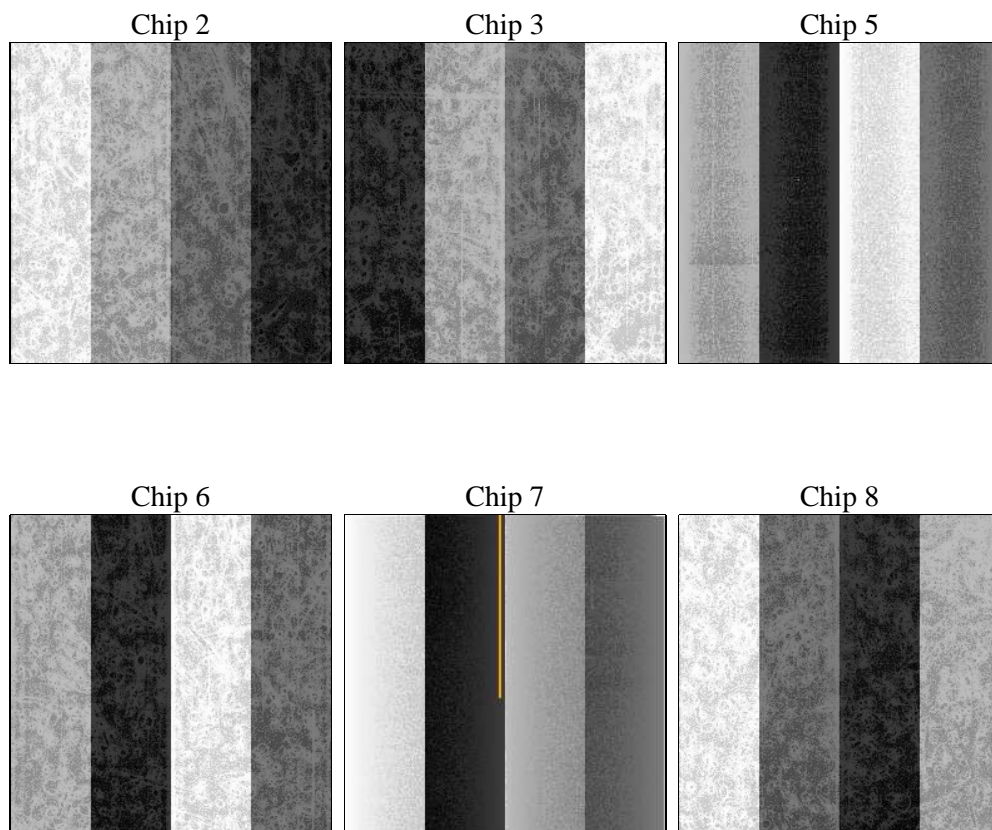
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	3000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	3043.1999887228	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3043.1999887228	Sum of GTIs [s]
date	2012-04-21T00:48:35	Date and time of file creation	ontime3	3043.1999887228	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	3043.1999887228	Sum of GTIs [s]
			ontime6	3043.1999887228	Sum of GTIs [s]
			ontime7	3043.1999887228	Sum of GTIs [s]
			ontime8	3043.1999887228	Sum of GTIs [s]
			l1events	144797	Number of level 1 events

2.1.4 Events

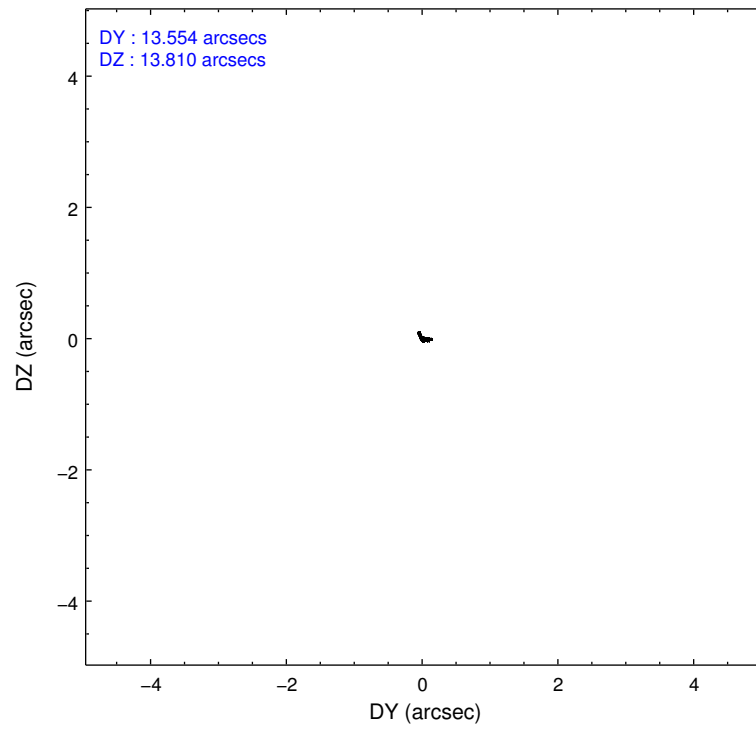
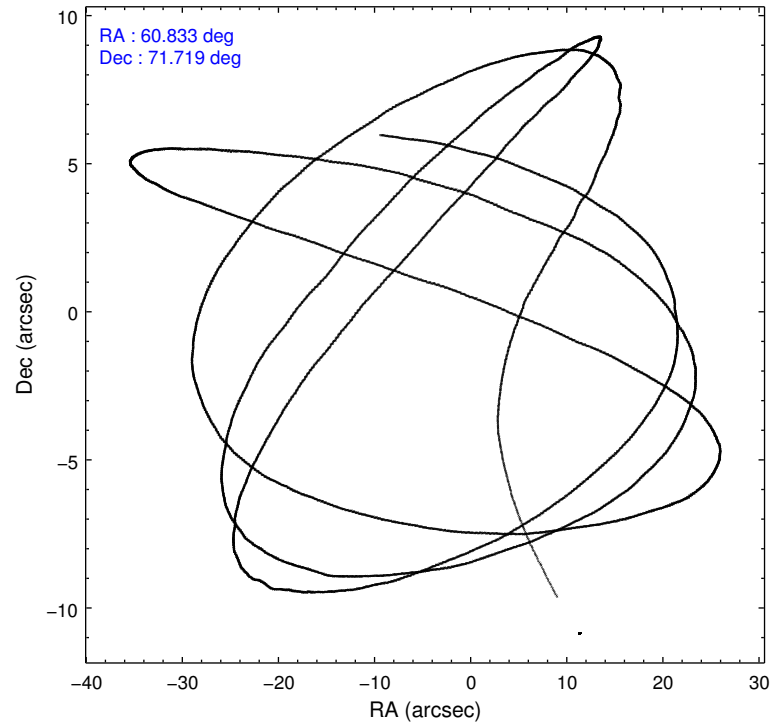
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	23289	21843	29143	22239	20921	27362
rejected events	21200	19827	12950	20003	10598	20919
rejected %	91%	90%	44%	89%	50%	76%

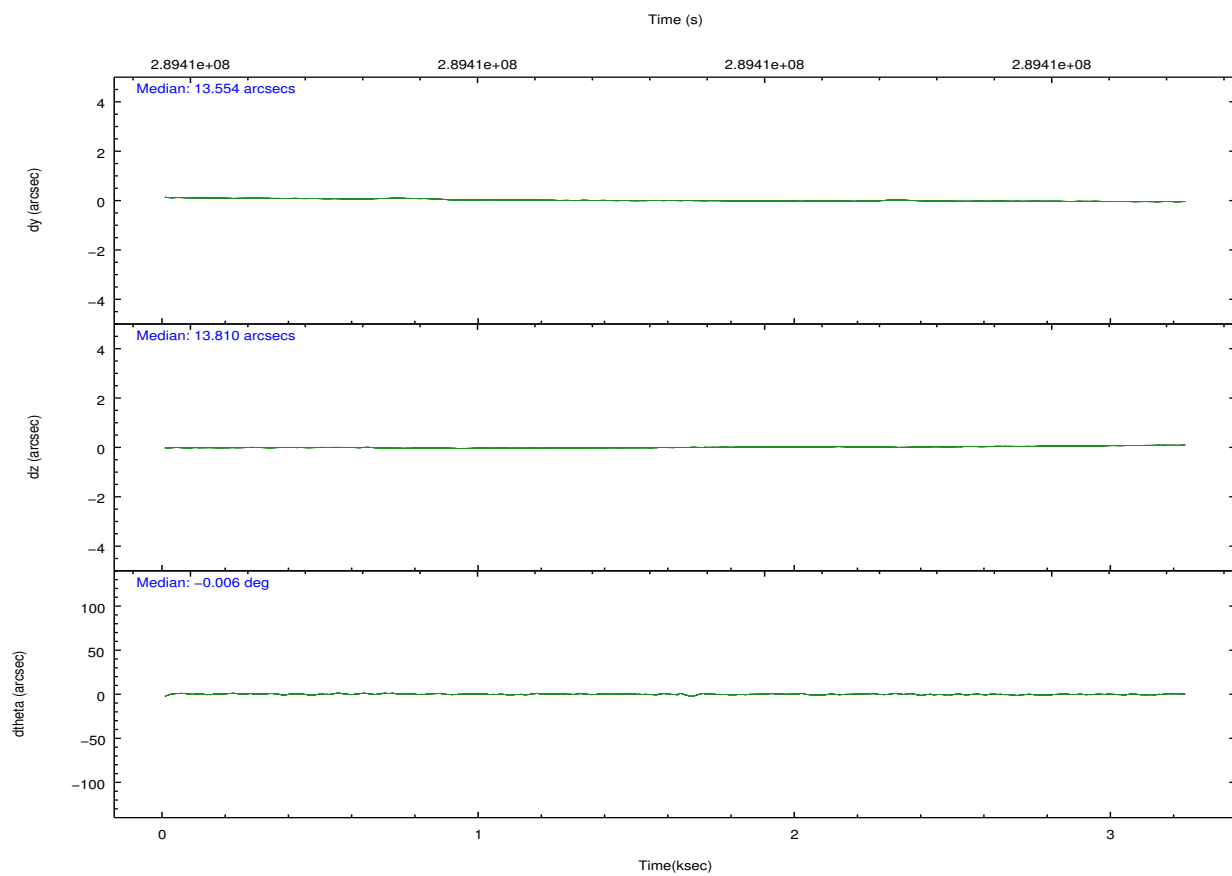
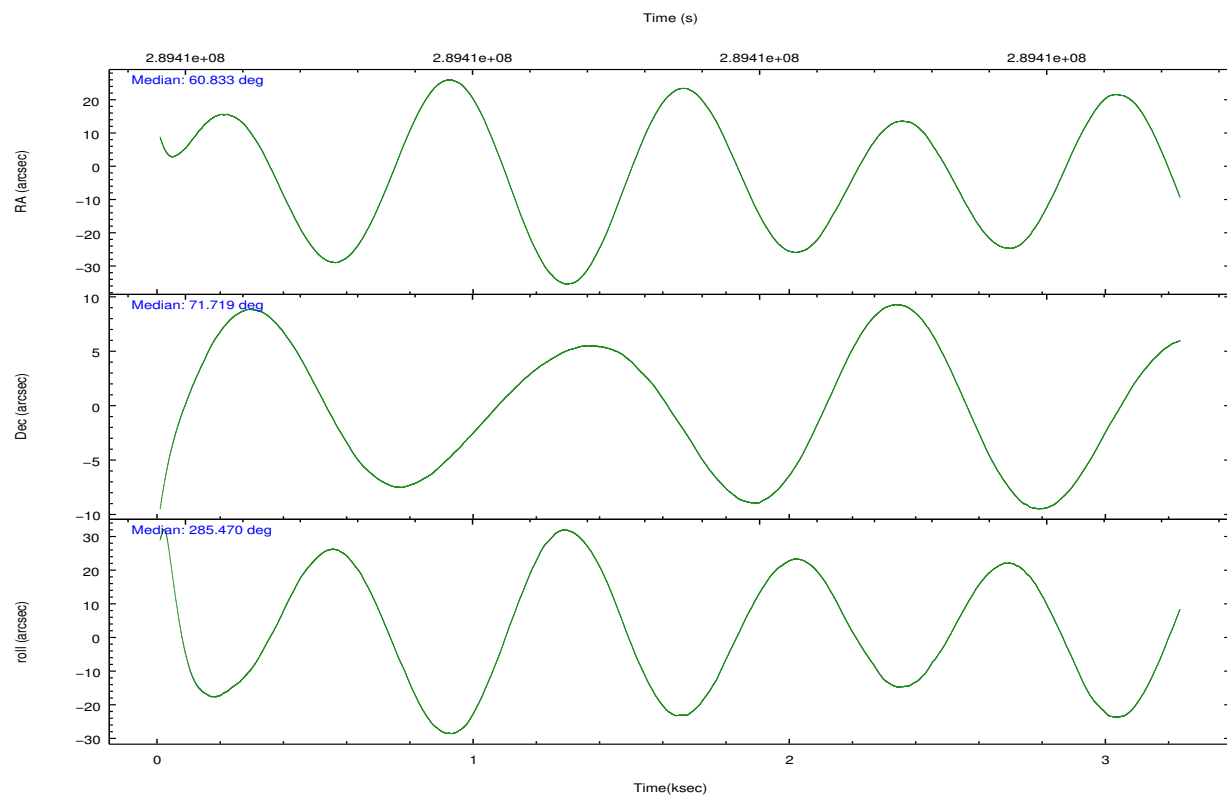
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	725	739	2537	813	1100	1874
	3%	3%	8%	3%	5%	6%
grade 1 events	15	8	129	10	28	25
	0%	0%	0%	0%	0%	0%
grade 2 events	525	419	4971	490	2231	1515
	2%	1%	17%	2%	10%	5%
grade 3 events	234	248	679	236	975	721
	1%	1%	2%	1%	4%	2%
grade 4 events	242	230	659	232	984	630
	1%	1%	2%	1%	4%	2%
grade 5 events	607	774	2233	696	2251	1112
	2%	3%	7%	3%	10%	4%
grade 6 events	367	382	7376	471	5067	1728
	1%	1%	25%	2%	24%	6%
grade 7 events	20574	19043	10559	19291	8285	19757
	88%	87%	36%	86%	39%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	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	60.768720	60.83230218879123	CCD I2 on	O2	Y
[deg] Pointing Dec	71.737529	71.71868248291757	CCD I3 on	Y	Y
[deg] Pointing Roll	285.383935	285.4803654417145	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	O1	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	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	Y	Y
[s] Observation start time (MET)	289407308.184000	289406264.82426	CCD S5 on	N	N
Observation start date	2007-03-04T14:54:03	2007-03-04T14:37:44	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	289410308.184000	289410763.54948	On-chip summing requested	N	N
Observation end date	2007-03-04T15:44:03	2007-03-04T15:52:43	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



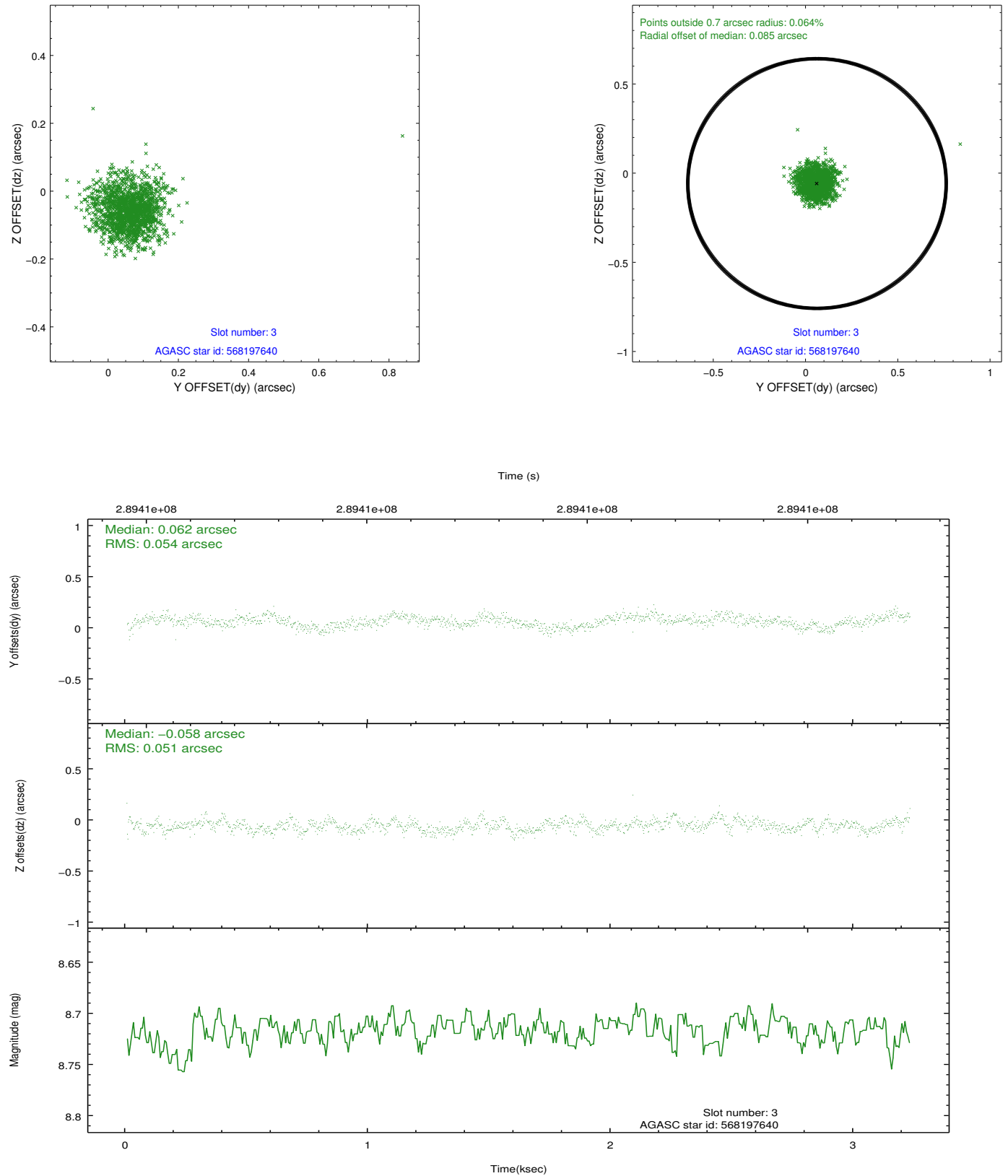


Slot Statistics

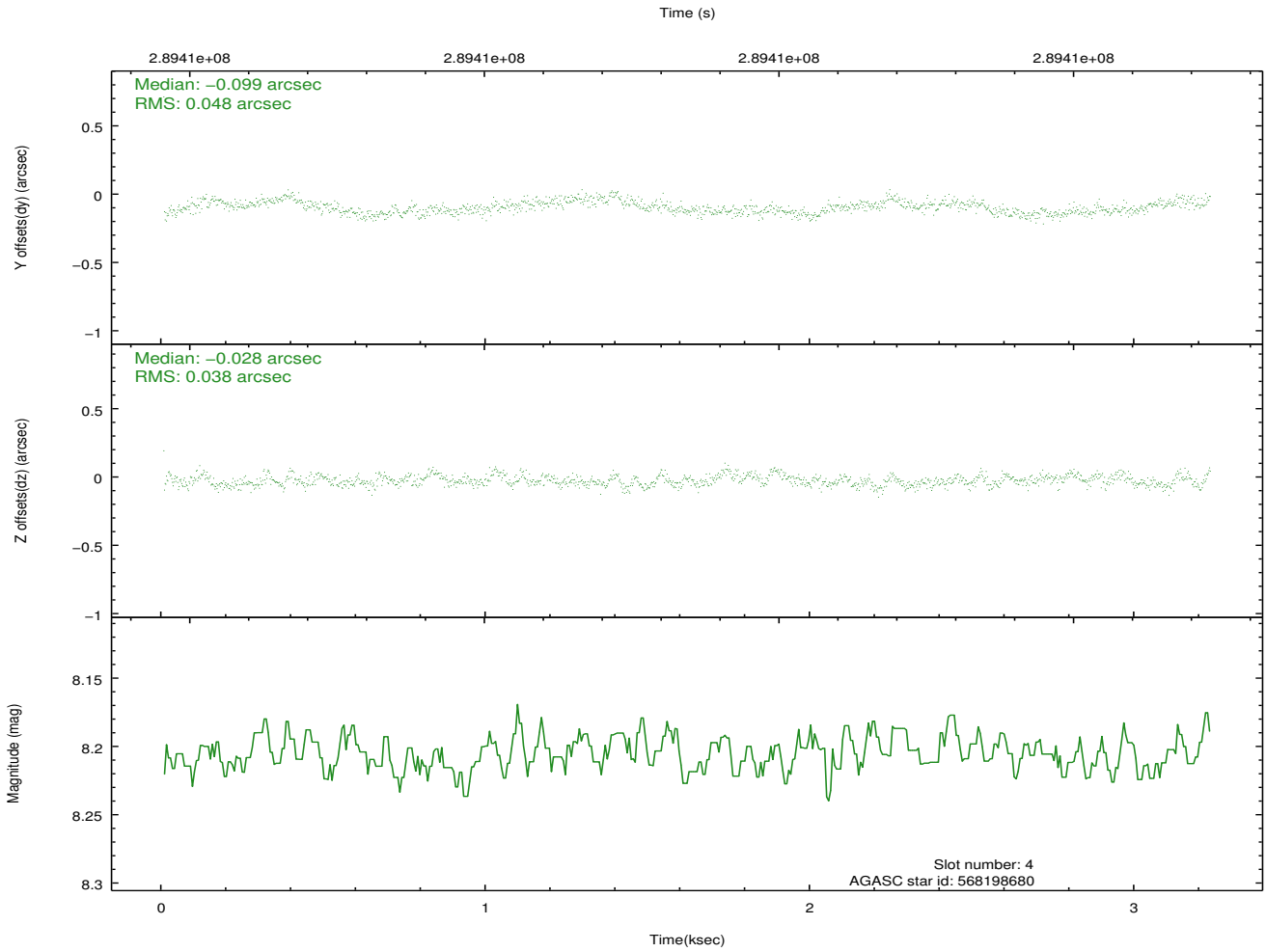
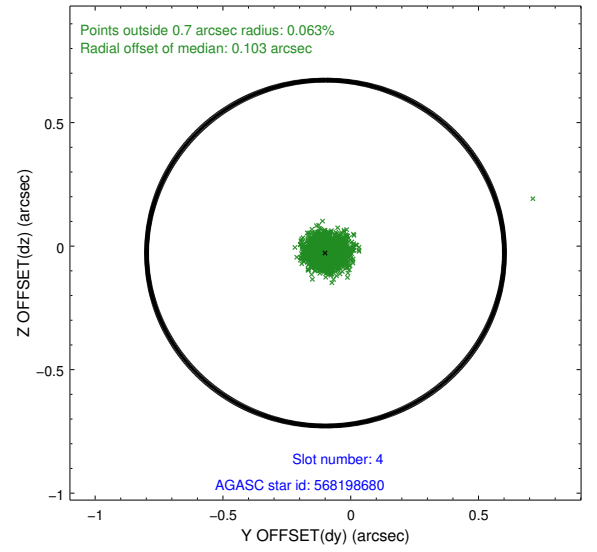
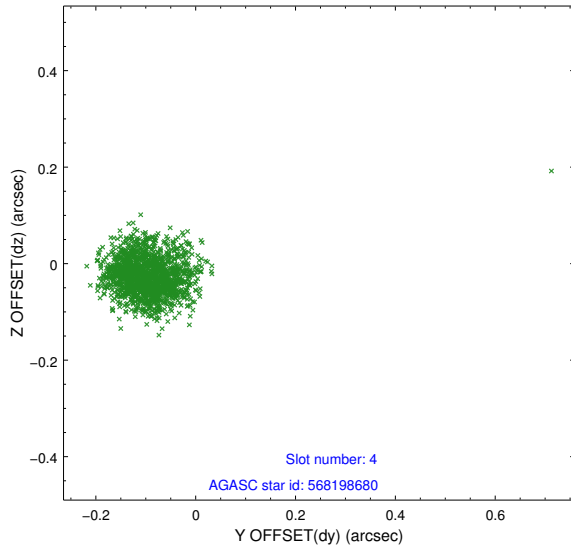
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.19	787	0.097	-0.051	0.006	0.010	0.000000	0.000000	929.64	-1730.79
1	FID	ACIS-S-5	7.23	788	-0.173	0.062	0.006	0.011	0.000000	0.000000	-1818.54	164.84
2	FID	ACIS-S-6	7.34	787	0.054	0.001	0.007	0.011	0.000000	0.000000	393.00	810.97
3	GUIDE	568197640	8.72	1569	0.062	-0.058	0.076	0.123	59.078053	71.281762	1038.48	-2311.51
4	GUIDE	568198680	8.21	1575	-0.099	-0.028	0.062	0.098	59.410139	71.449860	570.00	-1772.18
5	GUIDE	568330600	9.23	1574	0.104	0.101	0.071	0.117	62.784444	71.373574	1841.19	1895.69
6	GUIDE	568333952	9.32	1572	-0.022	0.000	0.091	0.148	61.257515	72.228674	-1563.06	987.88
7	GUIDE	568333744	9.43	1573	-0.037	-0.016	0.130	0.198	62.697048	71.995817	-361.13	2324.67

2.4 Star Slots

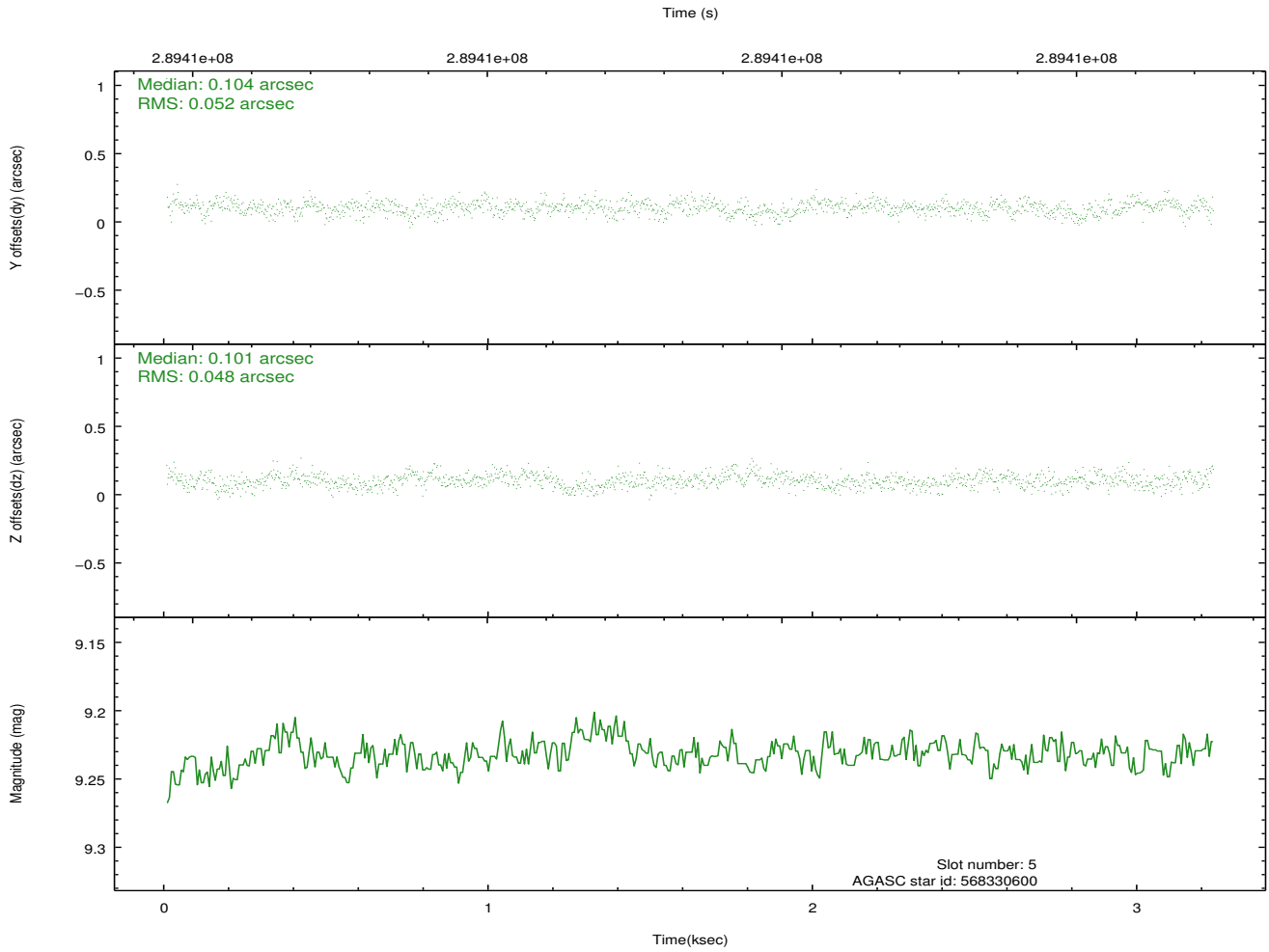
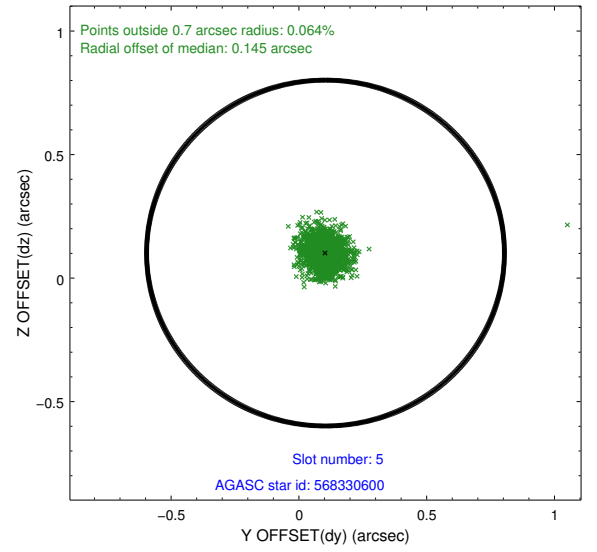
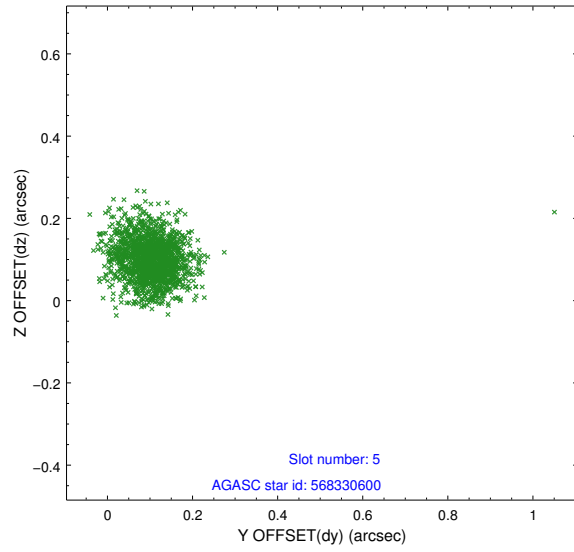
2.4.1 Slot 3



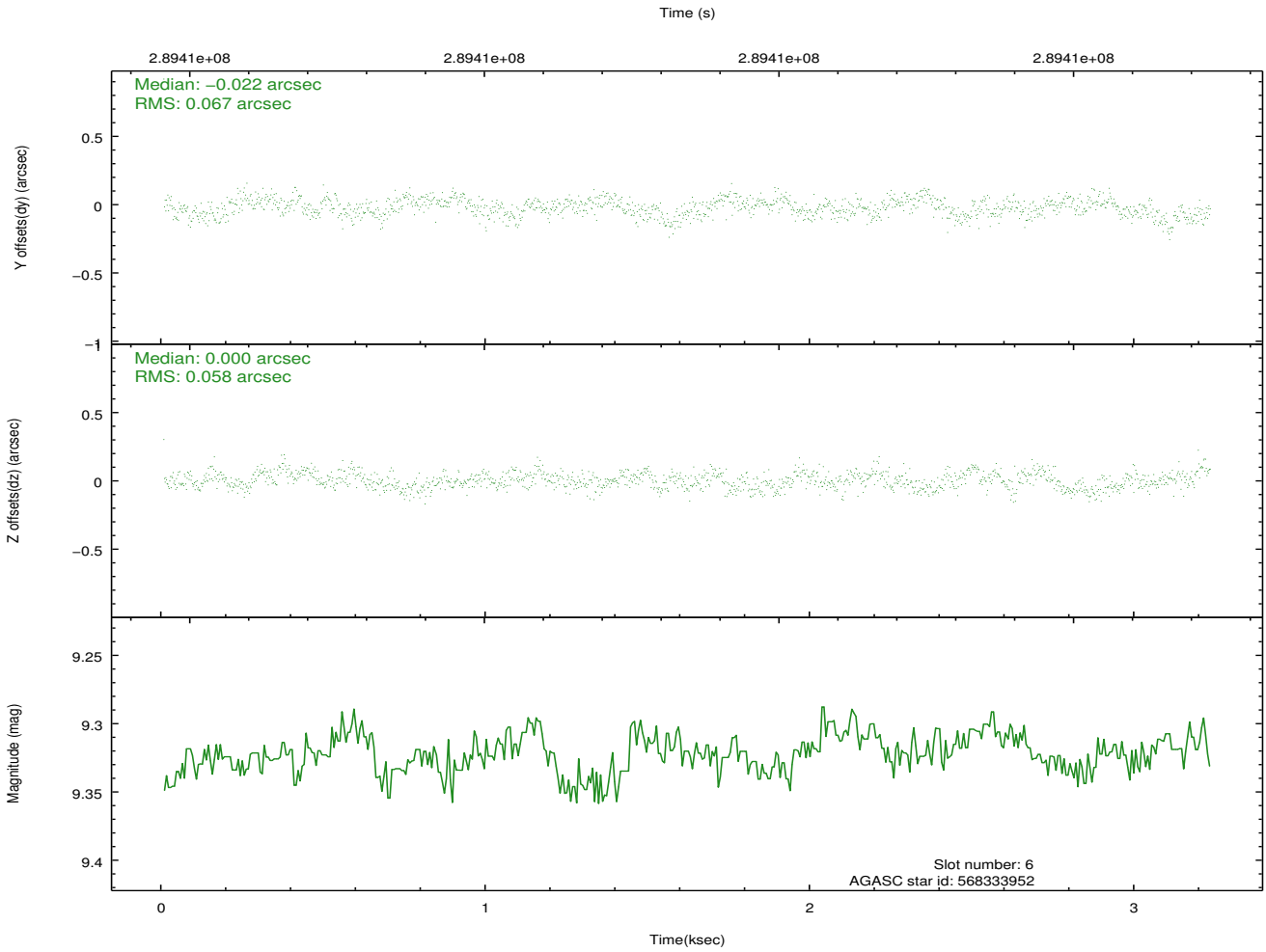
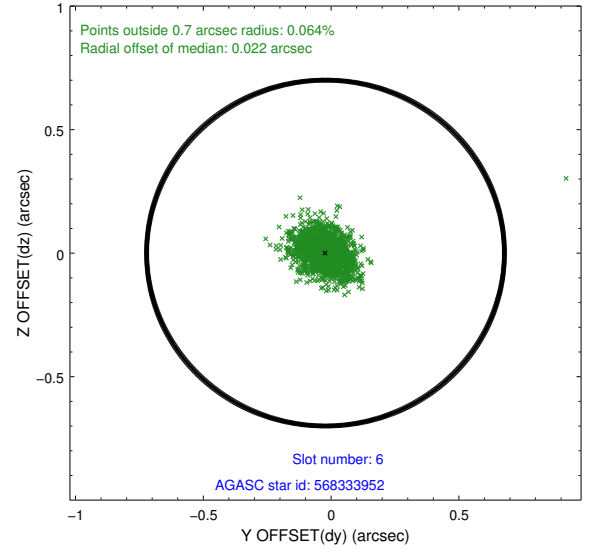
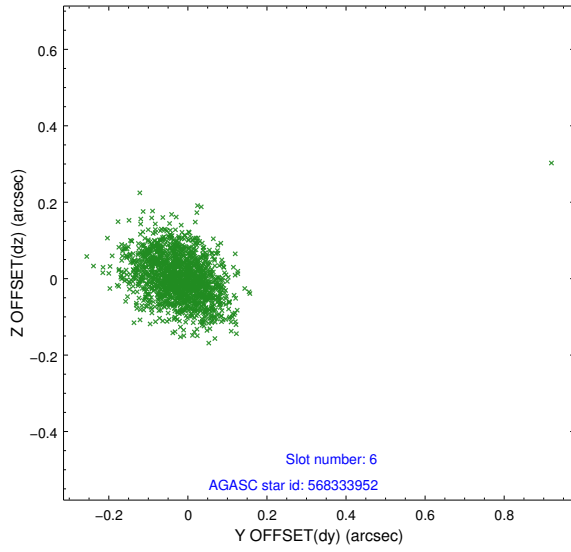
2.4.2 Slot 4



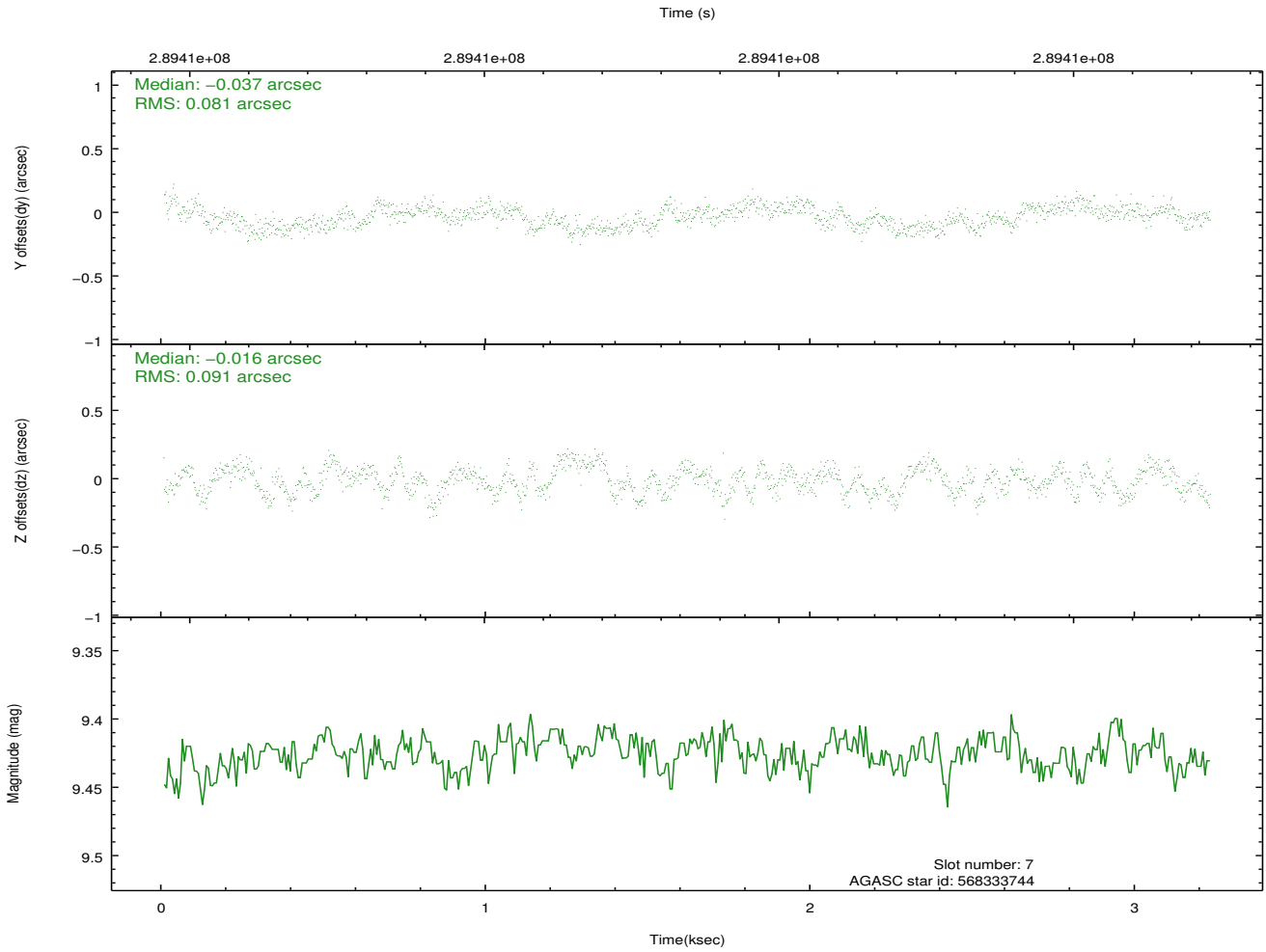
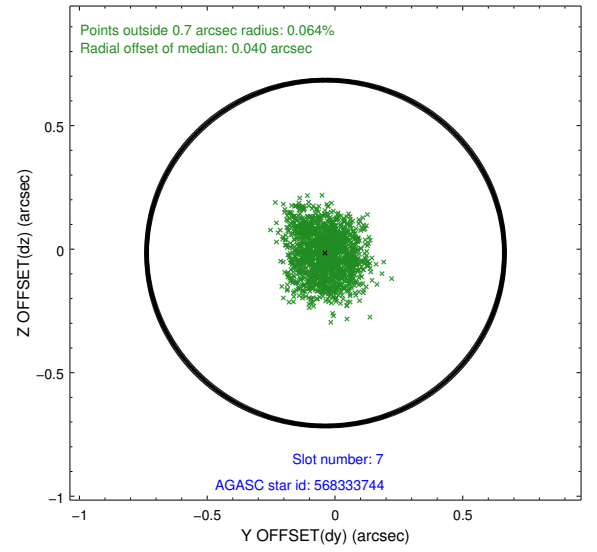
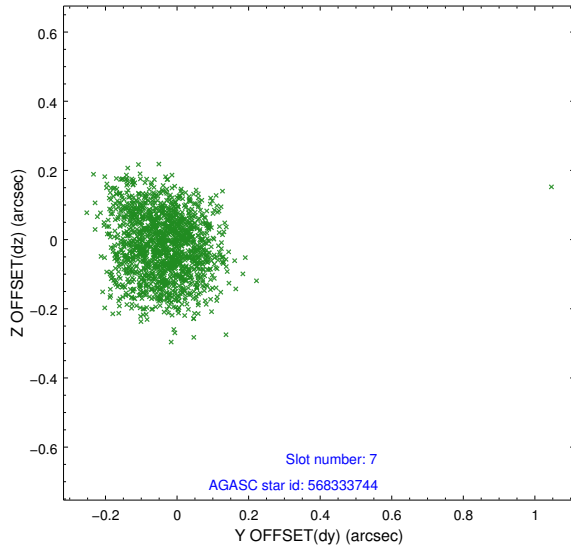
2.4.3 Slot 5



2.4.4 Slot 6

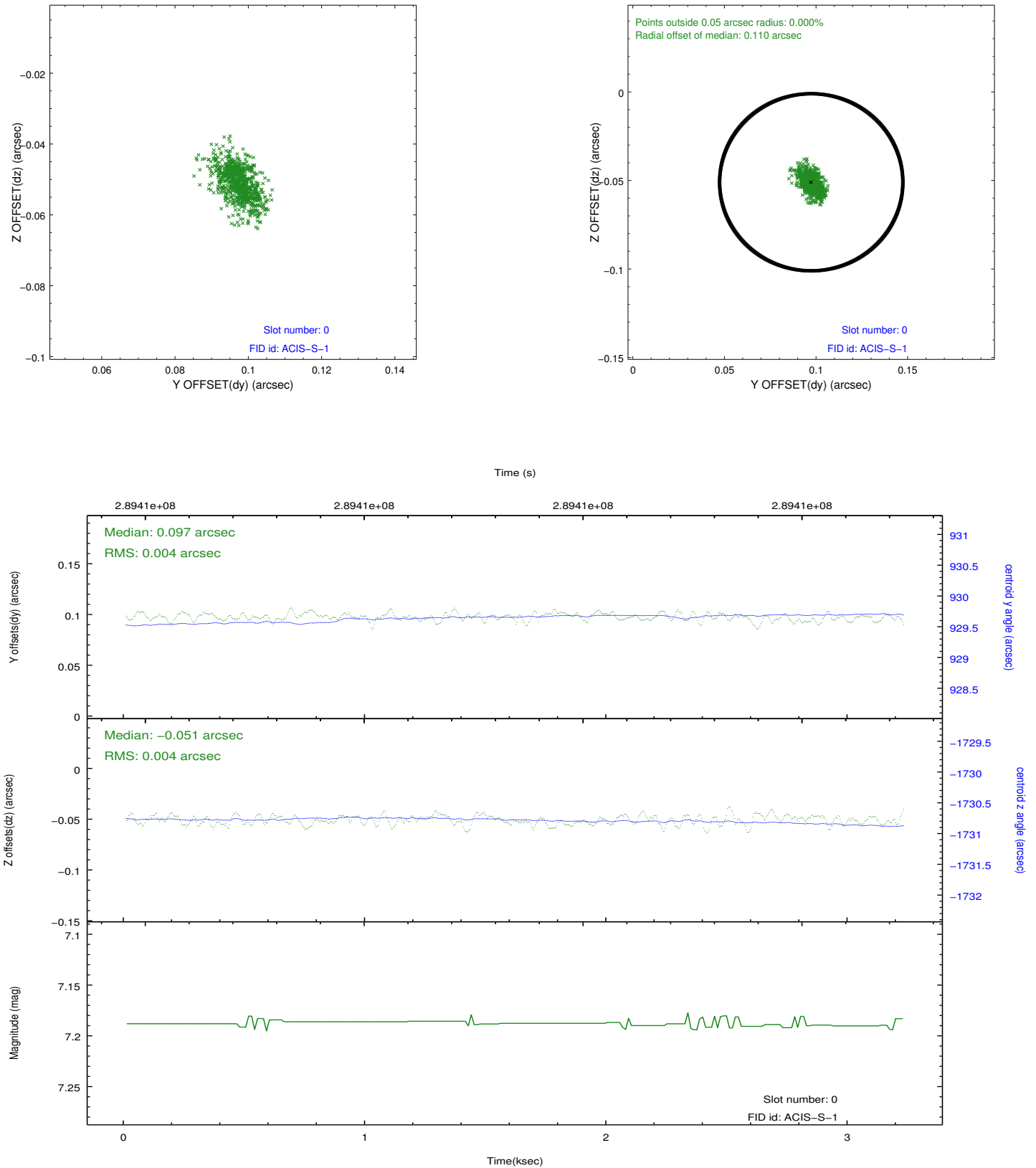


2.4.5 Slot 7

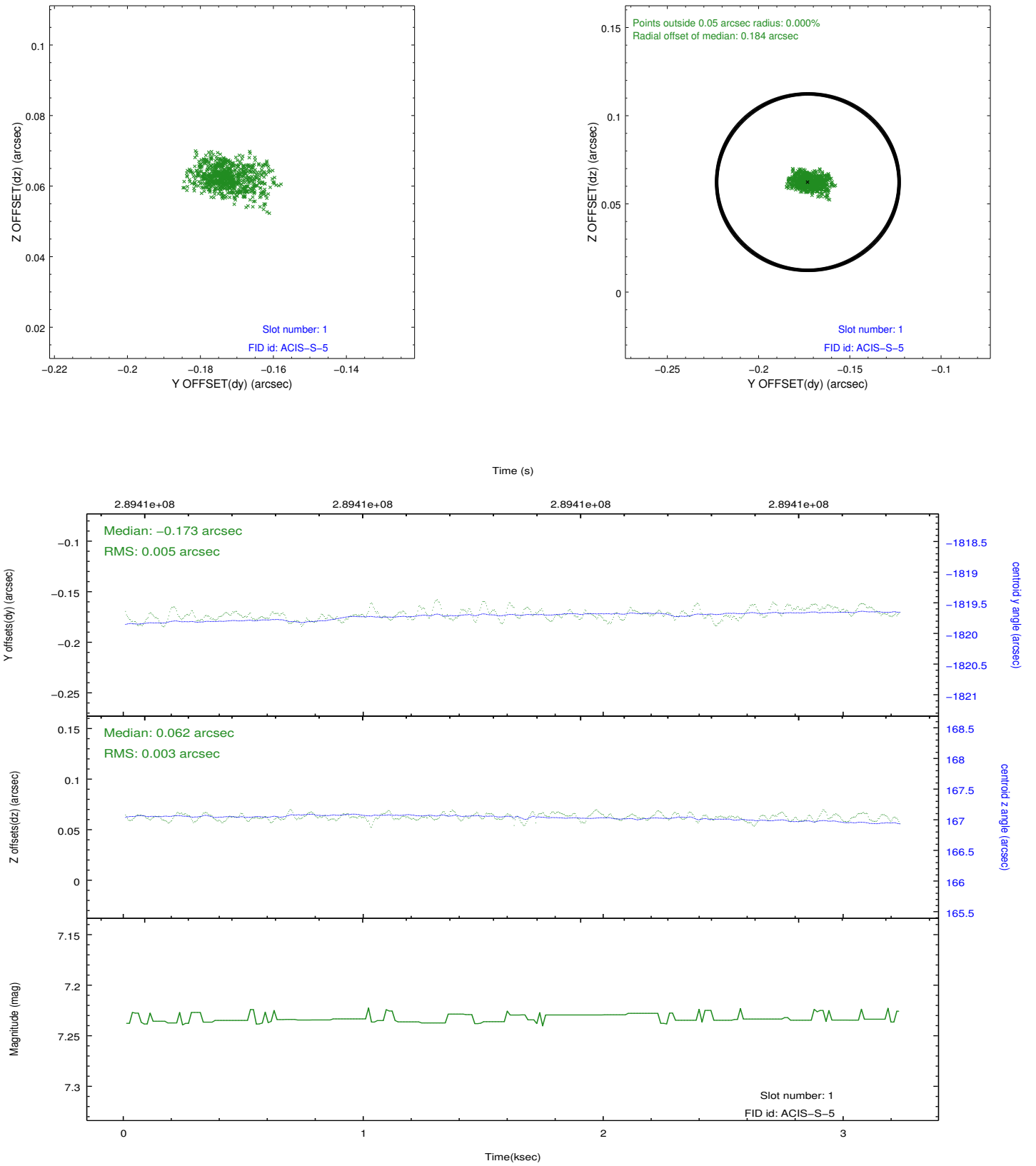


2.5 FID Slots

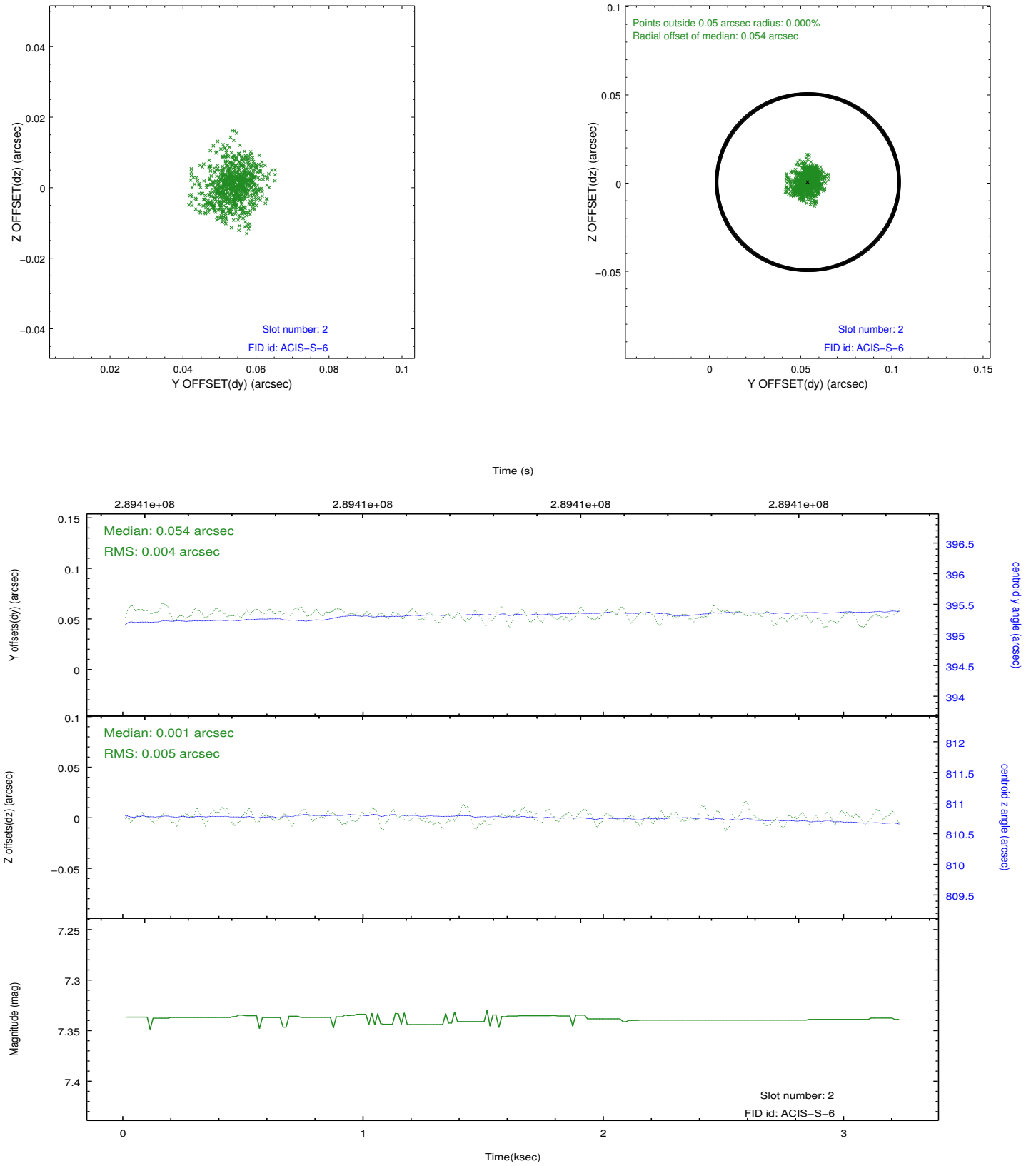
2.5.1 Slot 0



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)	2012.04.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.04319998

A.2 Comments