

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9852 - L2 Version 2
Chandra X-Ray Center

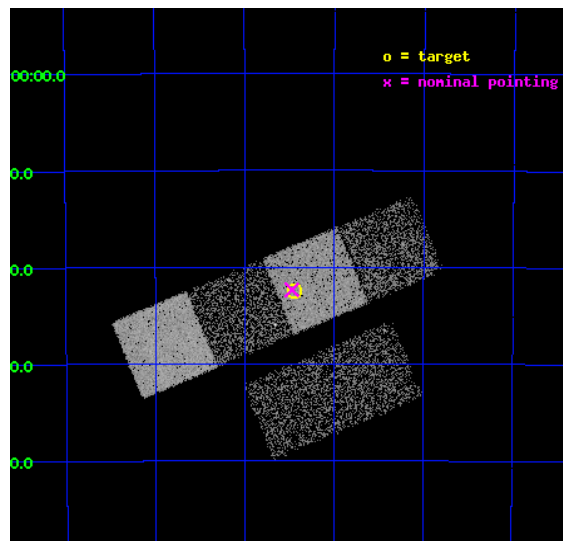
L2 Processing Date : May 13 2012

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1 Front

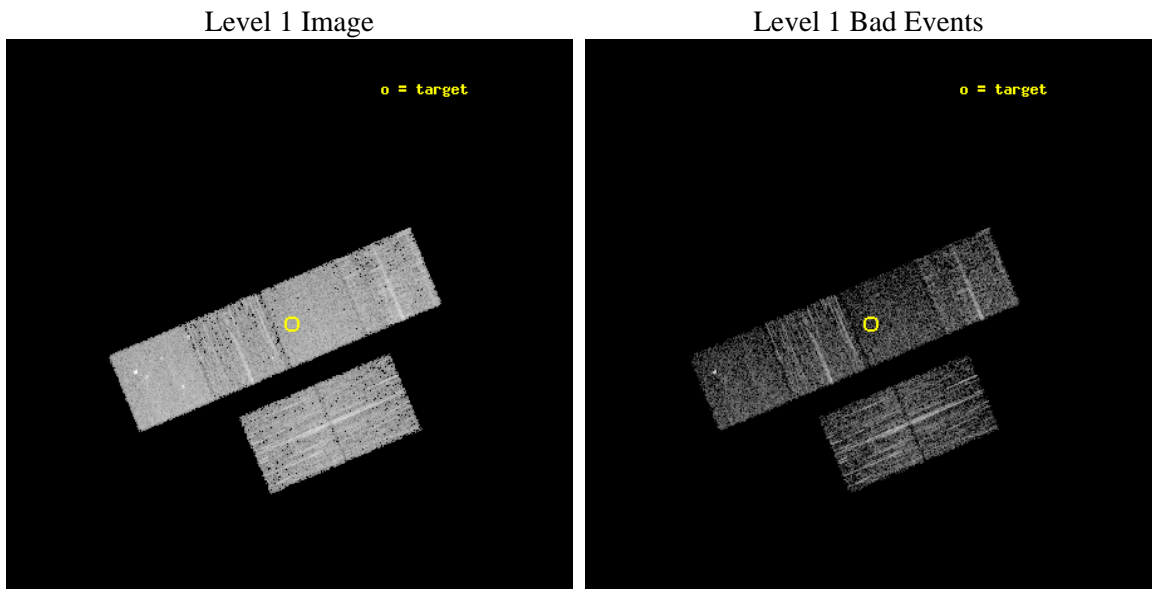
seq_num	300220	Sequence number
obs_id	9852	Observation id
title	A Chandra Legacy Survey of Dynamically Active Globular Clusters	Pr
observer	Prof. David Pooley	Principal investigator
object	NGC 5286	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	206.610417	Observer's specified target RA [deg]
dec_targ	-51.373333	Observer's specified target Dec [deg]
ra_nom	206.61815267023	Nominal RA [deg]
dec_nom	-51.372377142744	Nominal Dec [deg]
roll_nom	337.16263009735	Nominal Roll [deg]
revision	2	Processing version of data
ontime	3174.399988234	Sum of GTIs [s]
livetime	3134.2038241888	Livetime [s]
ontime2	3174.399988234	Sum of GTIs [s]
ontime3	3174.399988234	Sum of GTIs [s]
ontime5	3174.399988234	Sum of GTIs [s]
ontime6	3174.399988234	Sum of GTIs [s]
ontime7	3174.399988234	Sum of GTIs [s]
ontime8	3174.399988234	Sum of GTIs [s]
l2events	36926	Number of level 2 events



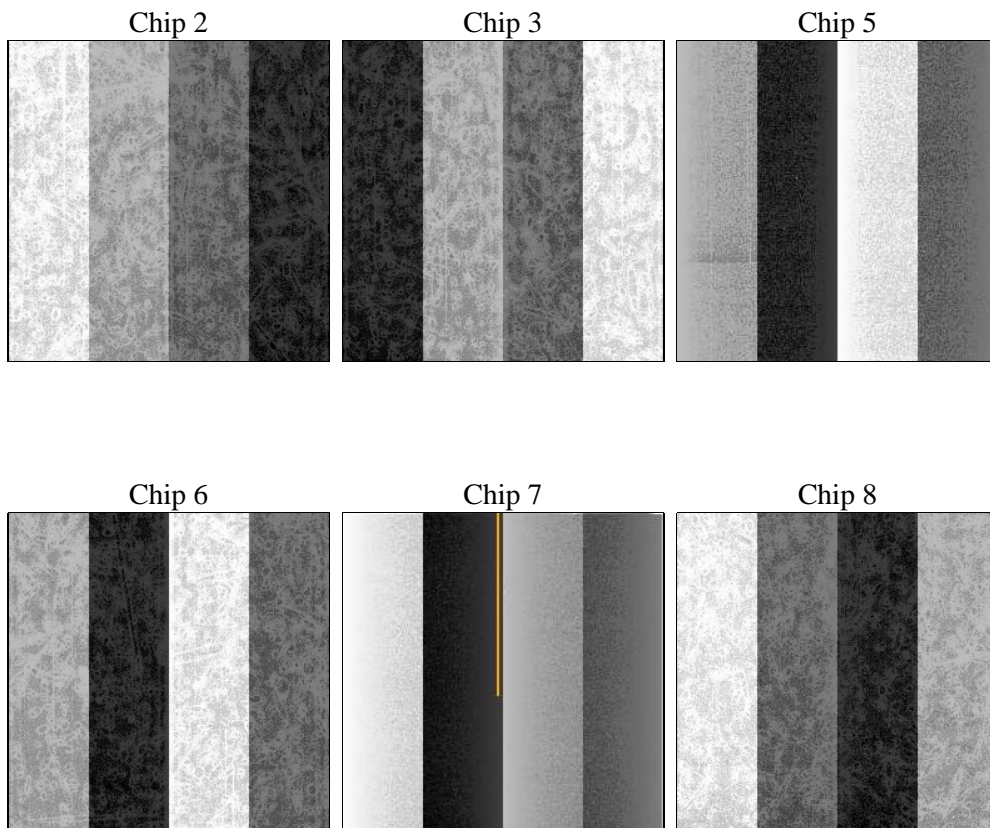
2 OBI

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	3174.399988234	Sum of GTIs [s]
caldsver	4.4.9	 	ontime2	3174.399988234	Sum of GTIs [s]
date	2012-05-14T00:41:38	Date and time of file creation	ontime3	3174.399988234	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	3174.399988234	Sum of GTIs [s]
			ontime6	3174.399988234	Sum of GTIs [s]
			ontime7	3174.399988234	Sum of GTIs [s]
			ontime8	3174.399988234	Sum of GTIs [s]
			l1events	232141	Number of level 1 events

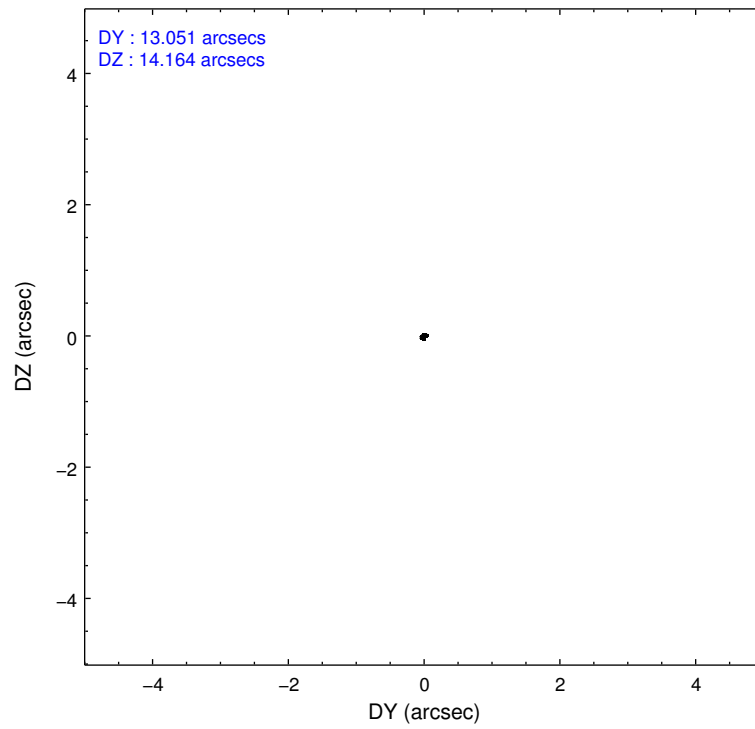
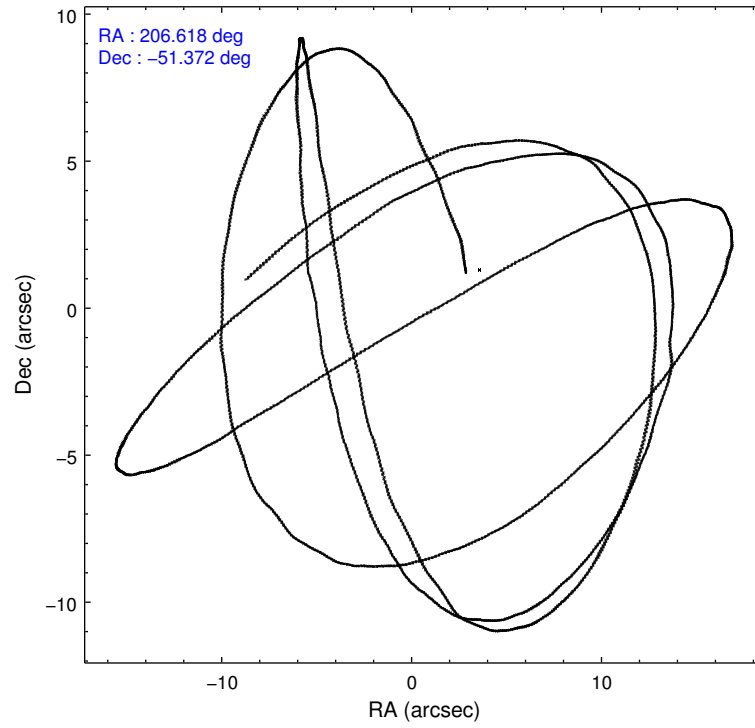
2.1.4 Events

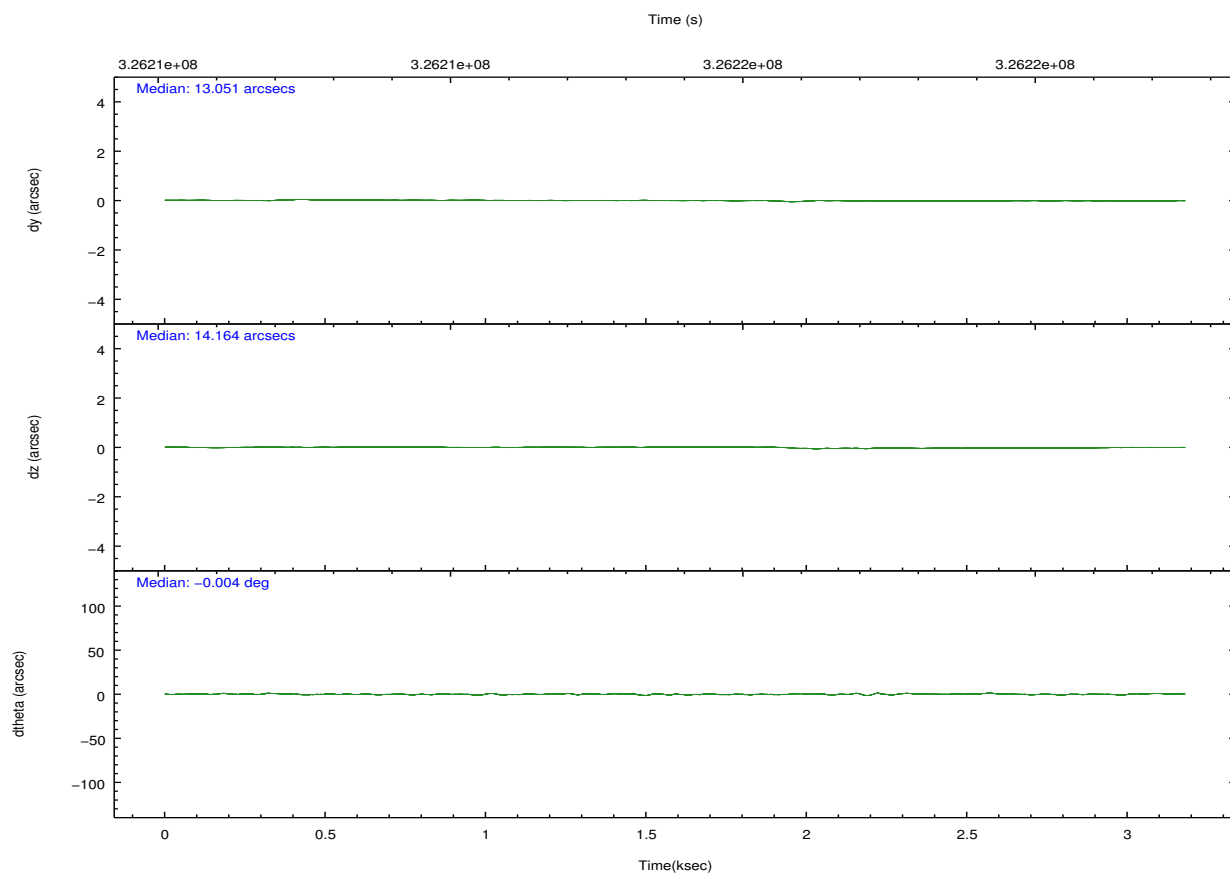
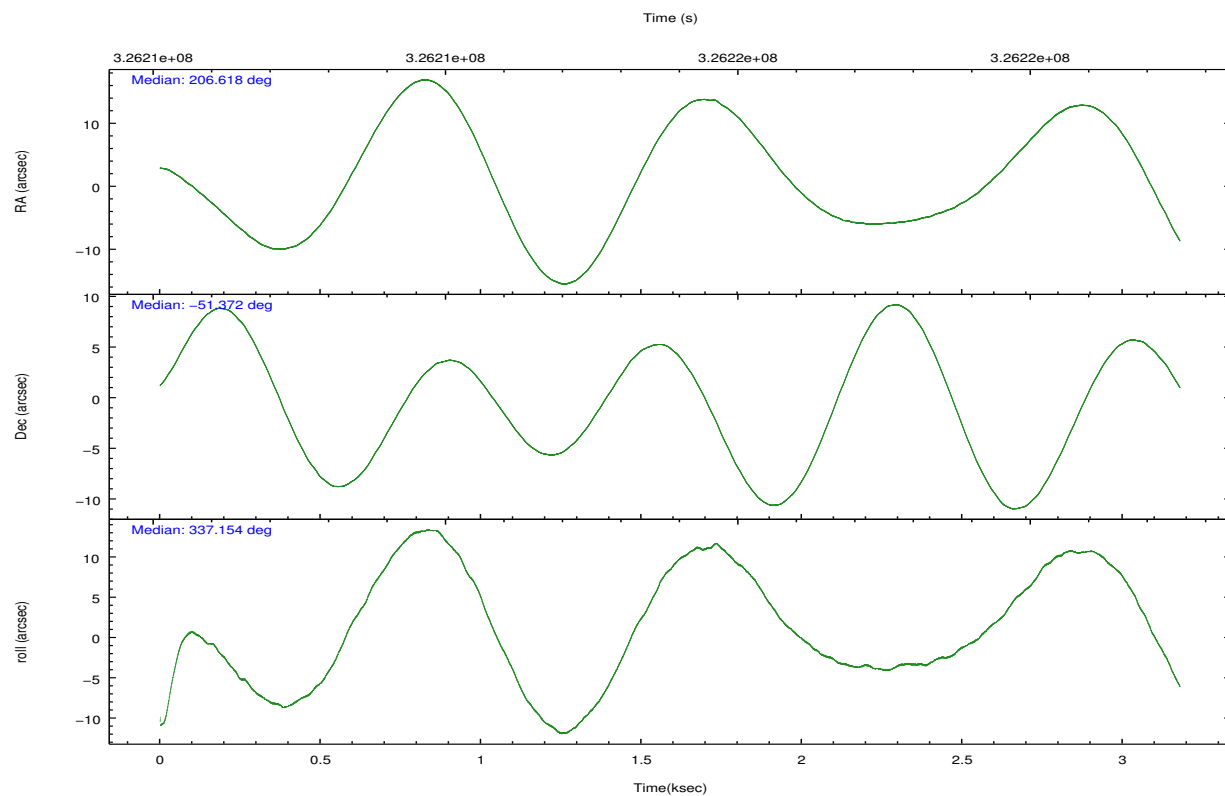
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	36391	32155	48039	35724	37714	42118	grade 0 events	1164	1140	2566	1375	1644	3037
rejected events	33974	29938	30636	33027	25189	34690		3%	3%	5%	3%	4%	7%
rejected %	93%	93%	63%	92%	66%	82%	grade 1 events	12	18	105	17	49	28
								0%	0%	0%	0%	0%	0%
							grade 2 events	824	644	7483	787	3578	2291
								2%	2%	15%	2%	9%	5%
							grade 3 events	319	358	974	364	1645	1107
								0%	1%	2%	1%	4%	2%
							grade 4 events	342	333	1009	389	1577	1052
								0%	1%	2%	1%	4%	2%
							grade 5 events	1166	1318	3779	1415	3960	2014
								3%	4%	7%	3%	10%	4%
							grade 6 events	635	615	12007	757	8864	2911
								1%	1%	24%	2%	23%	6%
							grade 7 events	31929	27729	20116	30620	16397	29678
								87%	86%	41%	85%	43%	70%

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	206.574708	206.618152670234	CCD I2 on	O1	Y
[deg] Pointing Dec	-51.376364	-51.37237714274366	CCD I3 on	O2	Y
[deg] Pointing Roll	336.972097	337.162630097352	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[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	Y	Y
[s] Observation start time (MET)	326213365.184000	326211645.77172	CCD S5 on	N	N
Observation start date	2008-05-03T14:48:20	2008-05-03T14:20:45	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	326216365.184000	326217070.07198	On-chip summing requested	N	N
Observation end date	2008-05-03T15:38:20	2008-05-03T15:51:10	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



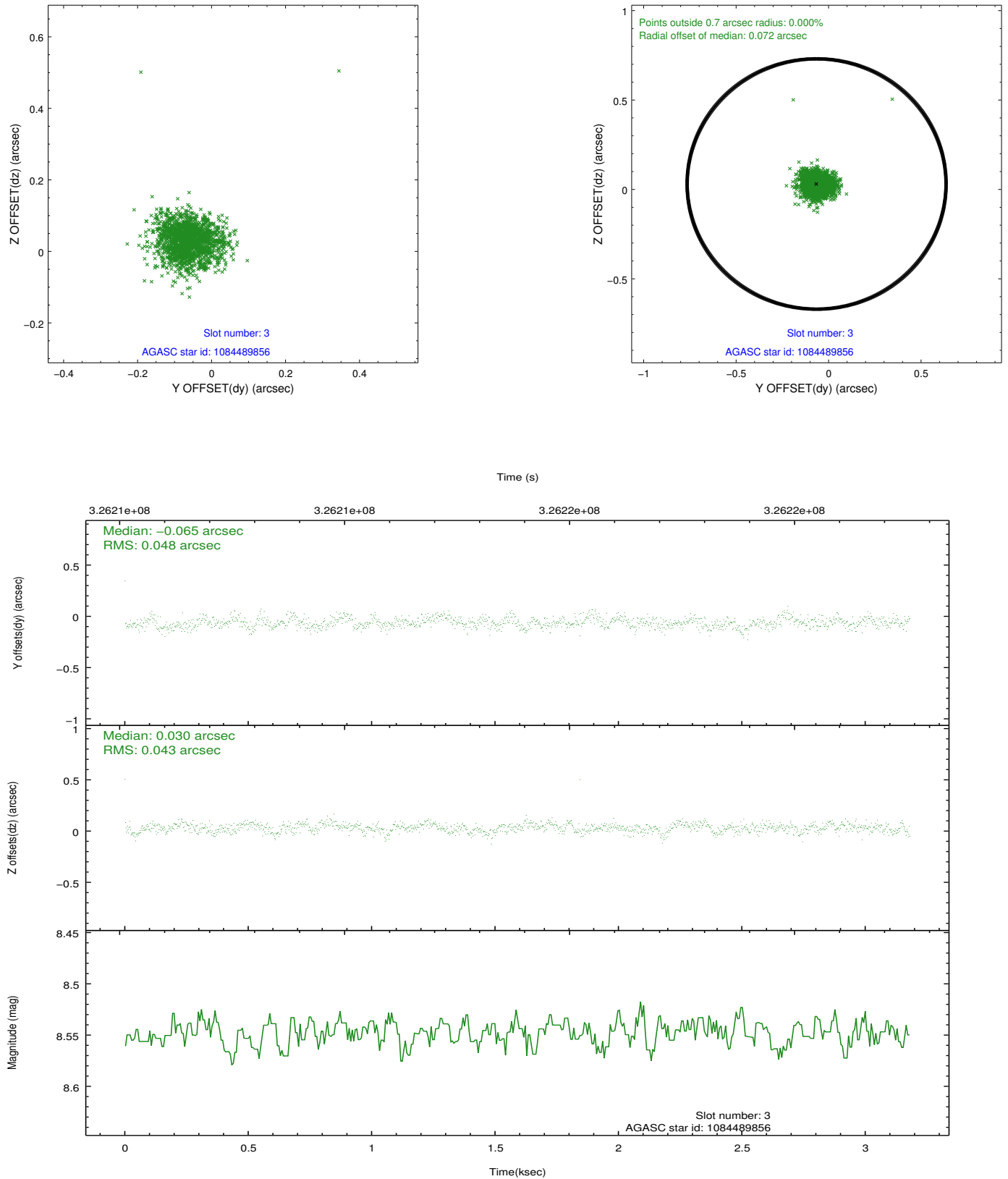


Slot Statistics

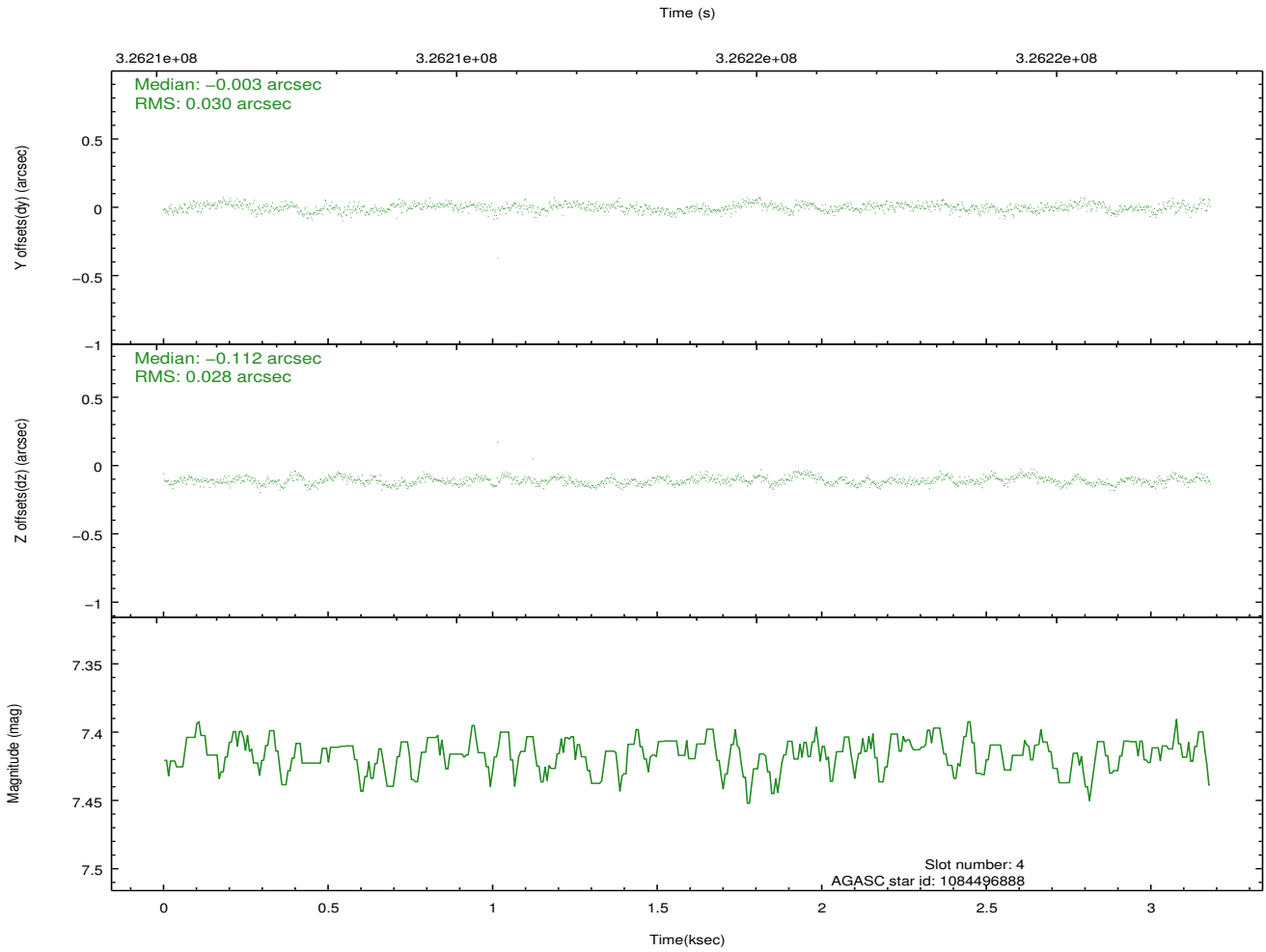
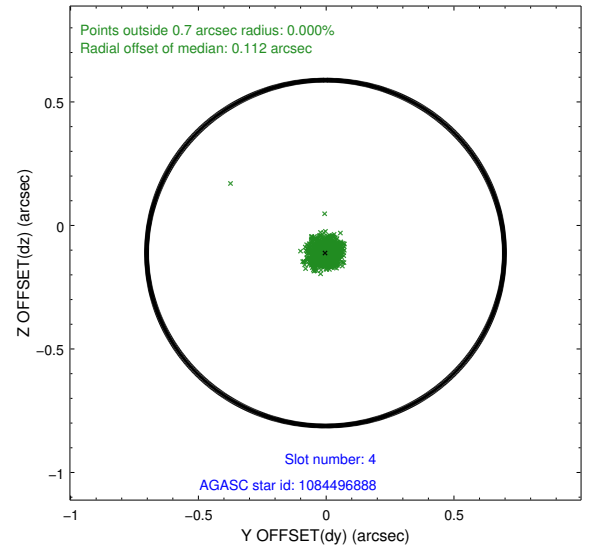
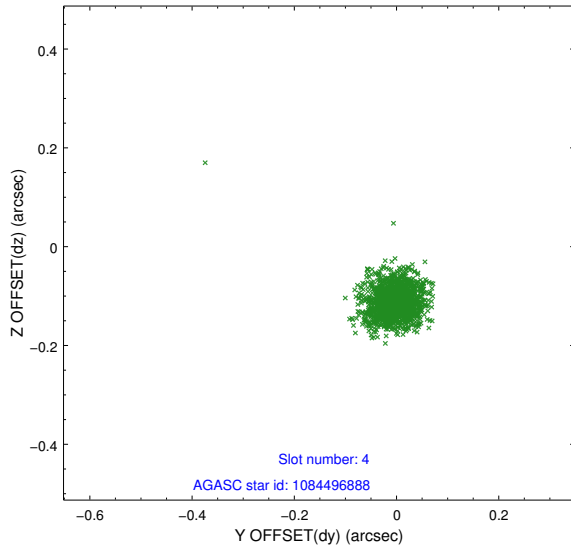
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.85	776	-0.030	0.001	0.006	0.011	0.000000	0.000000	-765.98	-1735.52
1	FID	ACIS-S-4	6.94	776	0.105	0.014	0.006	0.012	0.000000	0.000000	2146.50	170.92
2	FID	ACIS-S-5	6.97	776	-0.106	-0.006	0.007	0.012	0.000000	0.000000	-1816.35	166.82
3	GUIDE	1084489856	8.55	1551	-0.065	0.030	0.065	0.107	207.250188	-51.916553	2144.84	-1209.72
4	GUIDE	1084496888	7.42	1552	-0.003	-0.112	0.042	0.070	206.537560	-50.879894	-775.18	1610.27
5	GUIDE	1084499456	8.27	1551	0.048	-0.010	0.064	0.101	205.935639	-51.626572	-960.47	-1394.38
6	GUIDE	1084500032	8.94	1549	0.004	0.135	0.097	0.151	205.599129	-51.653448	-1609.31	-1785.32
7	GUIDE	1084510152	6.93	1551	0.012	-0.047	0.072	0.121	206.066676	-51.012452	-1570.61	749.78

2.4 Star Slots

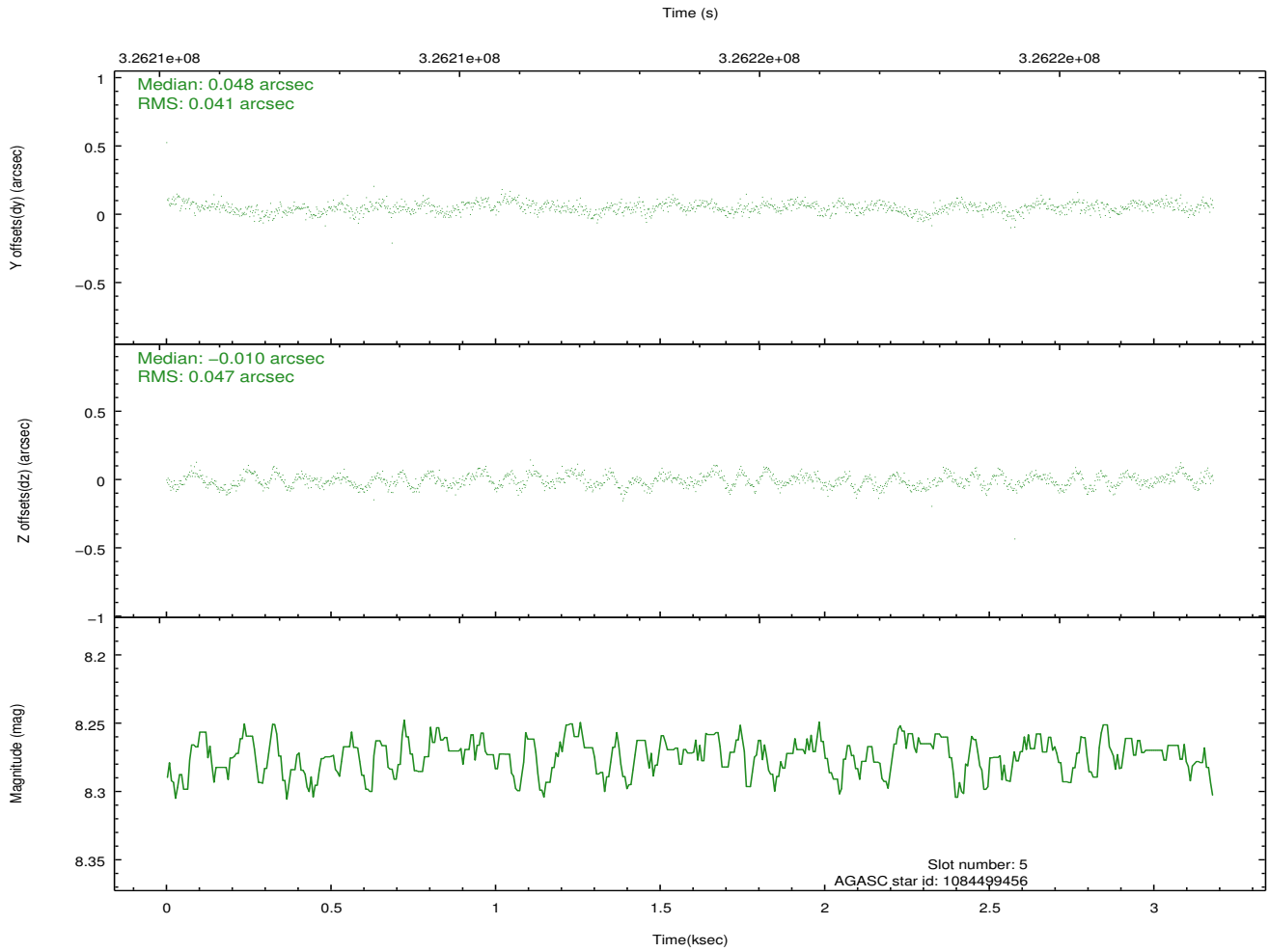
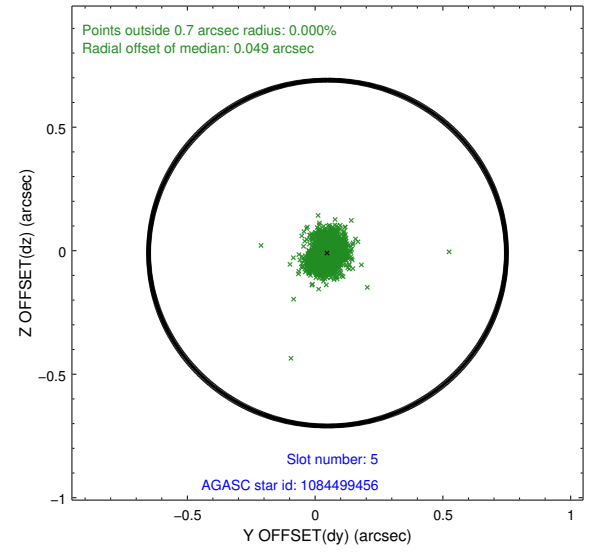
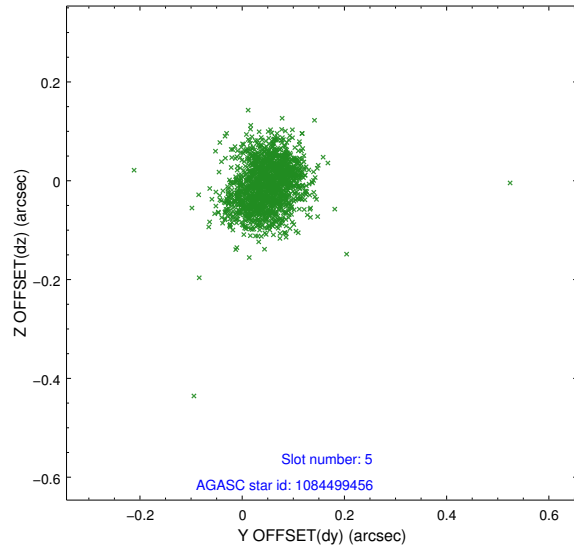
2.4.1 Slot 3



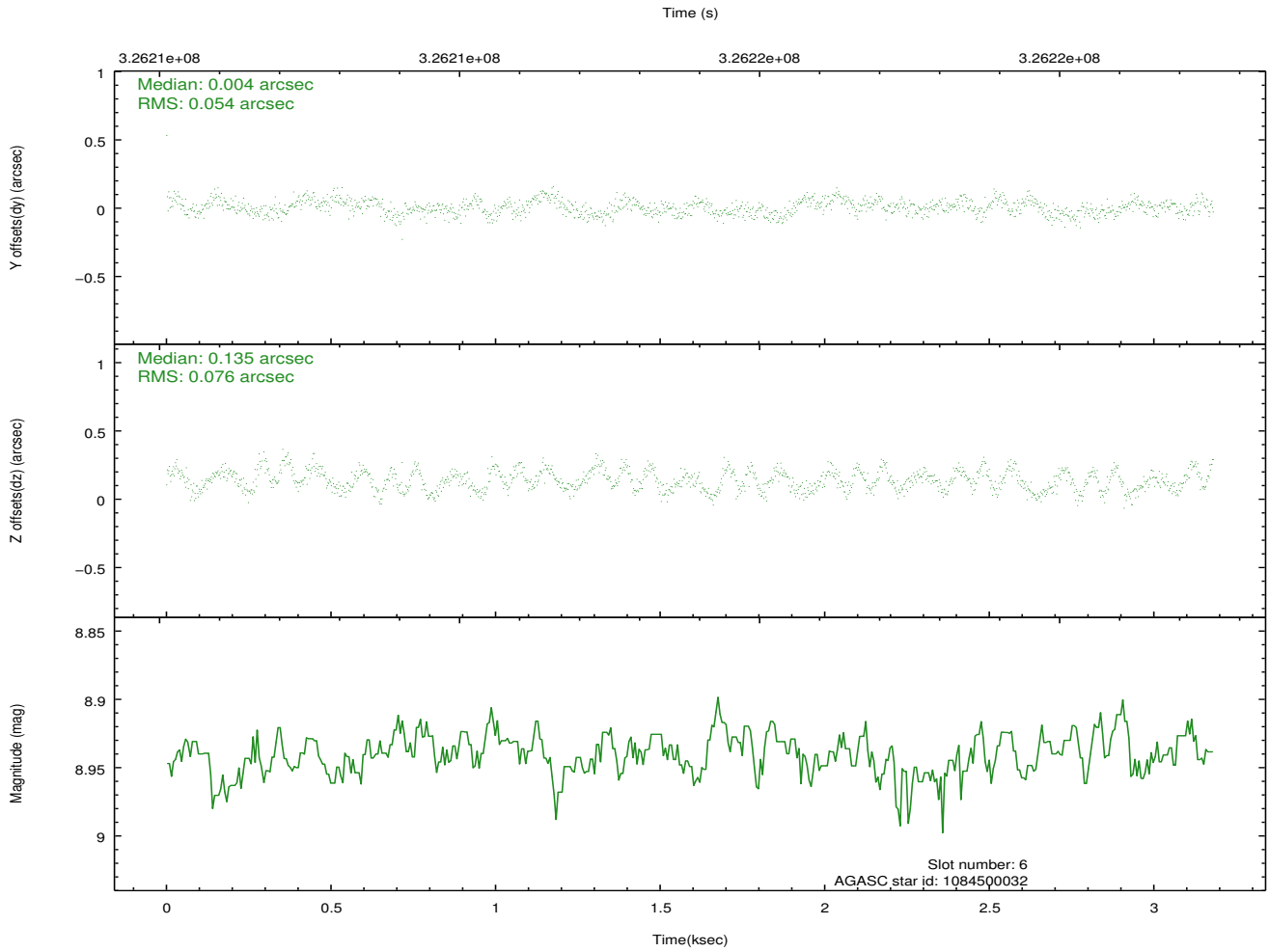
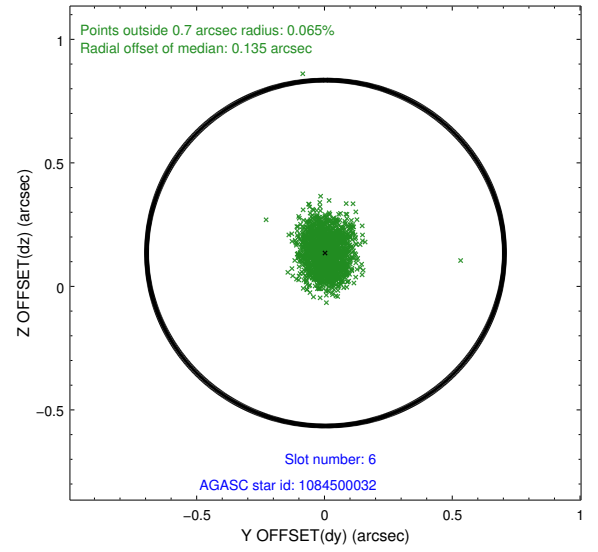
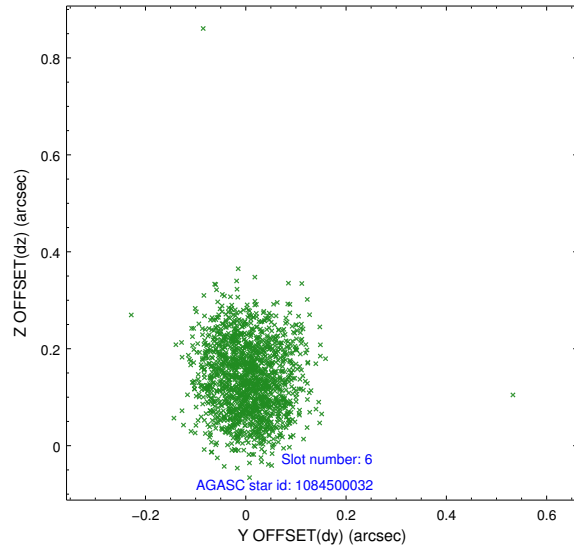
2.4.2 Slot 4



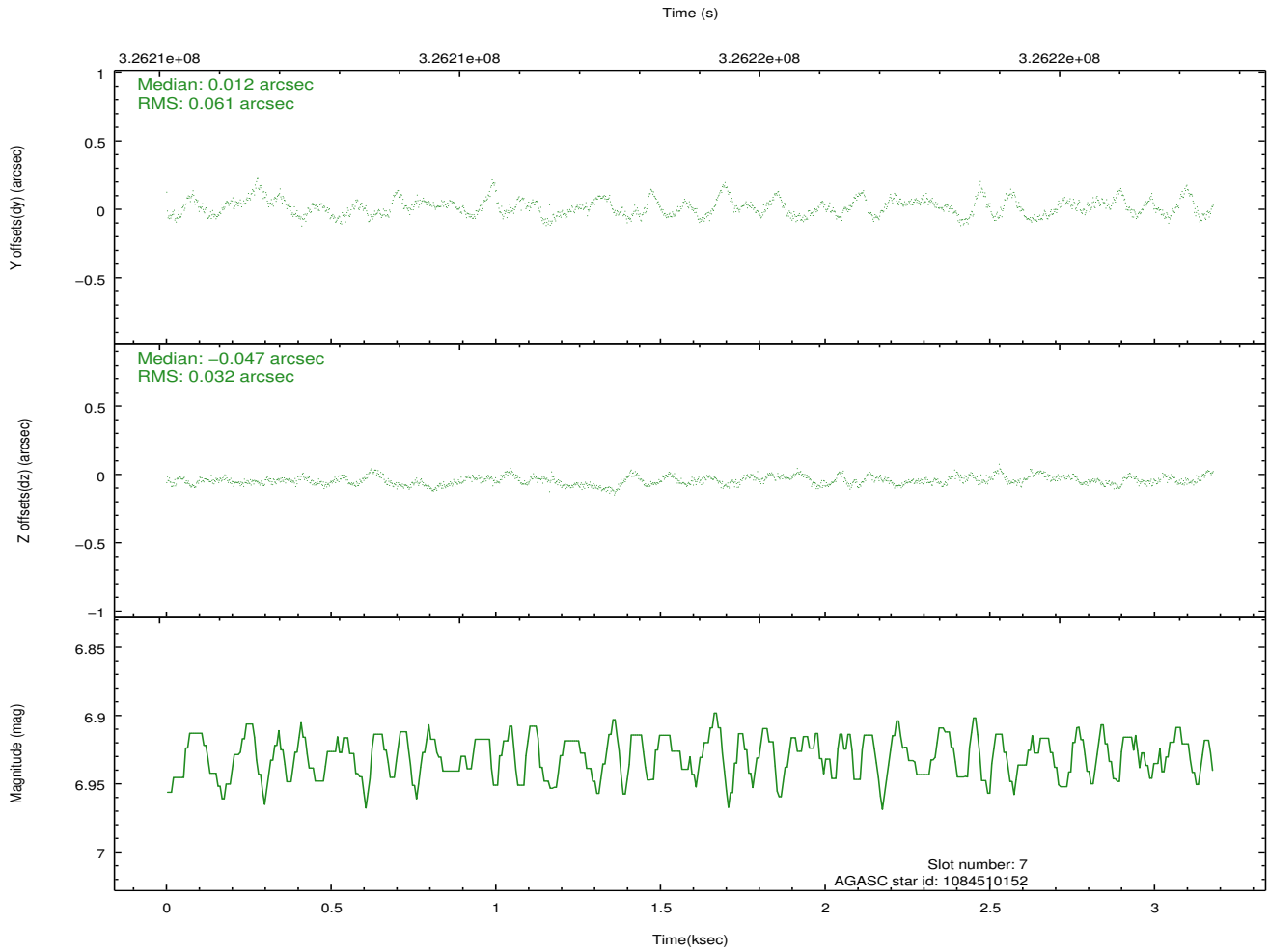
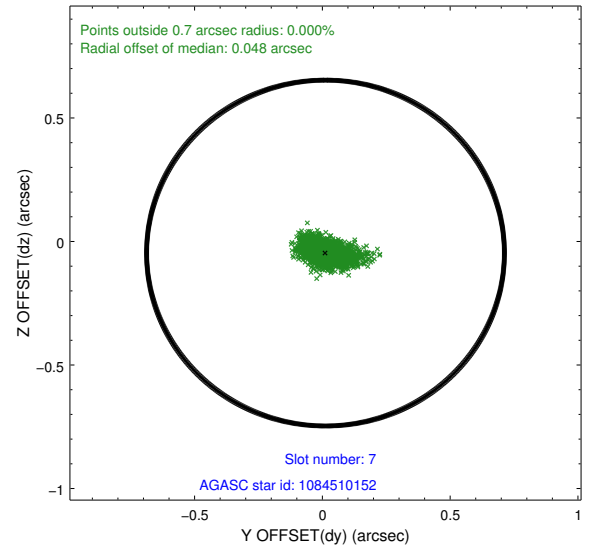
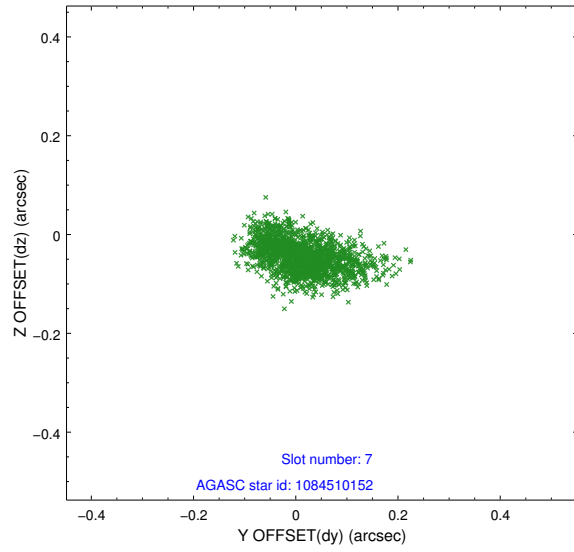
2.4.3 Slot 5



2.4.4 Slot 6

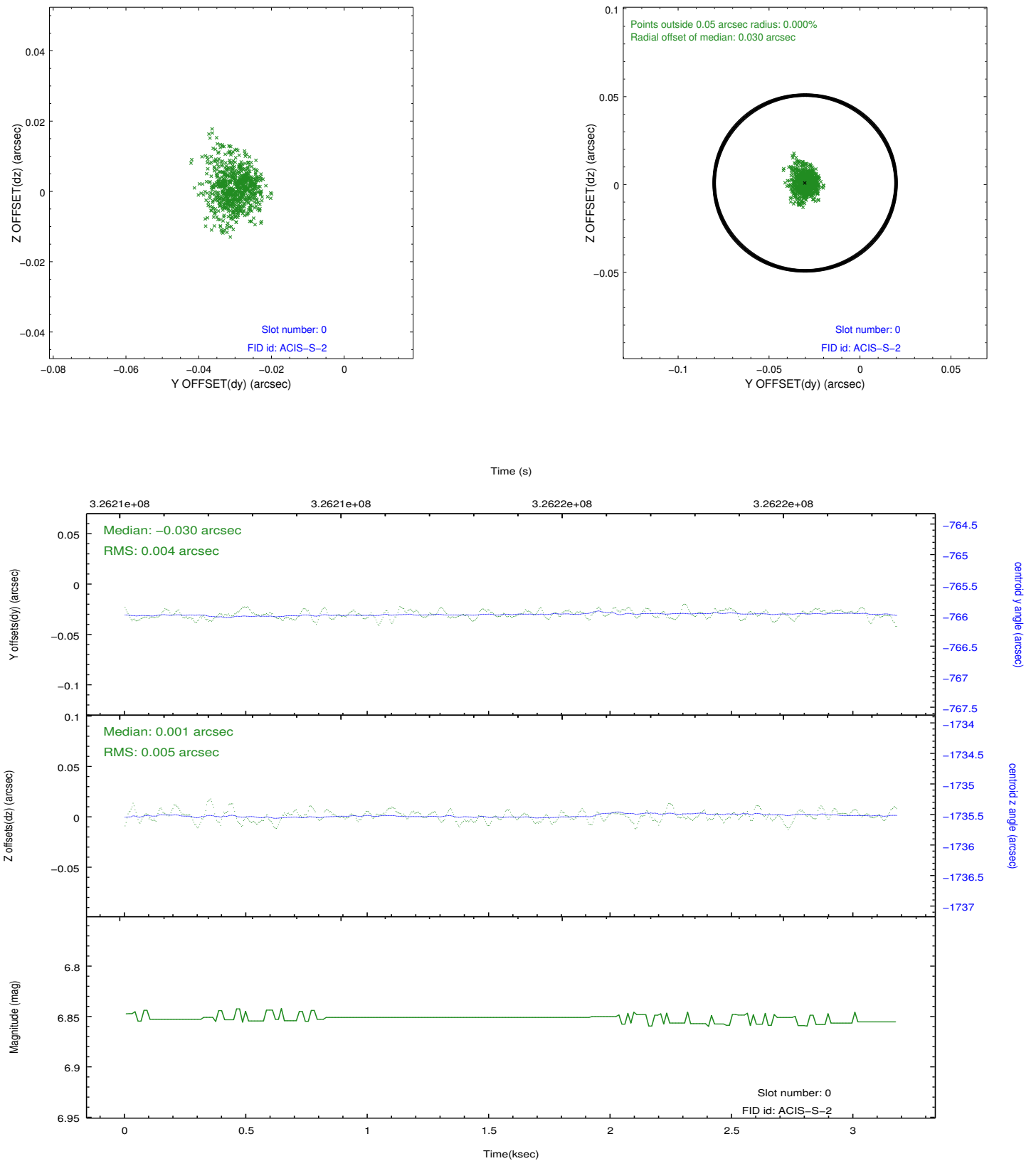


2.4.5 Slot 7

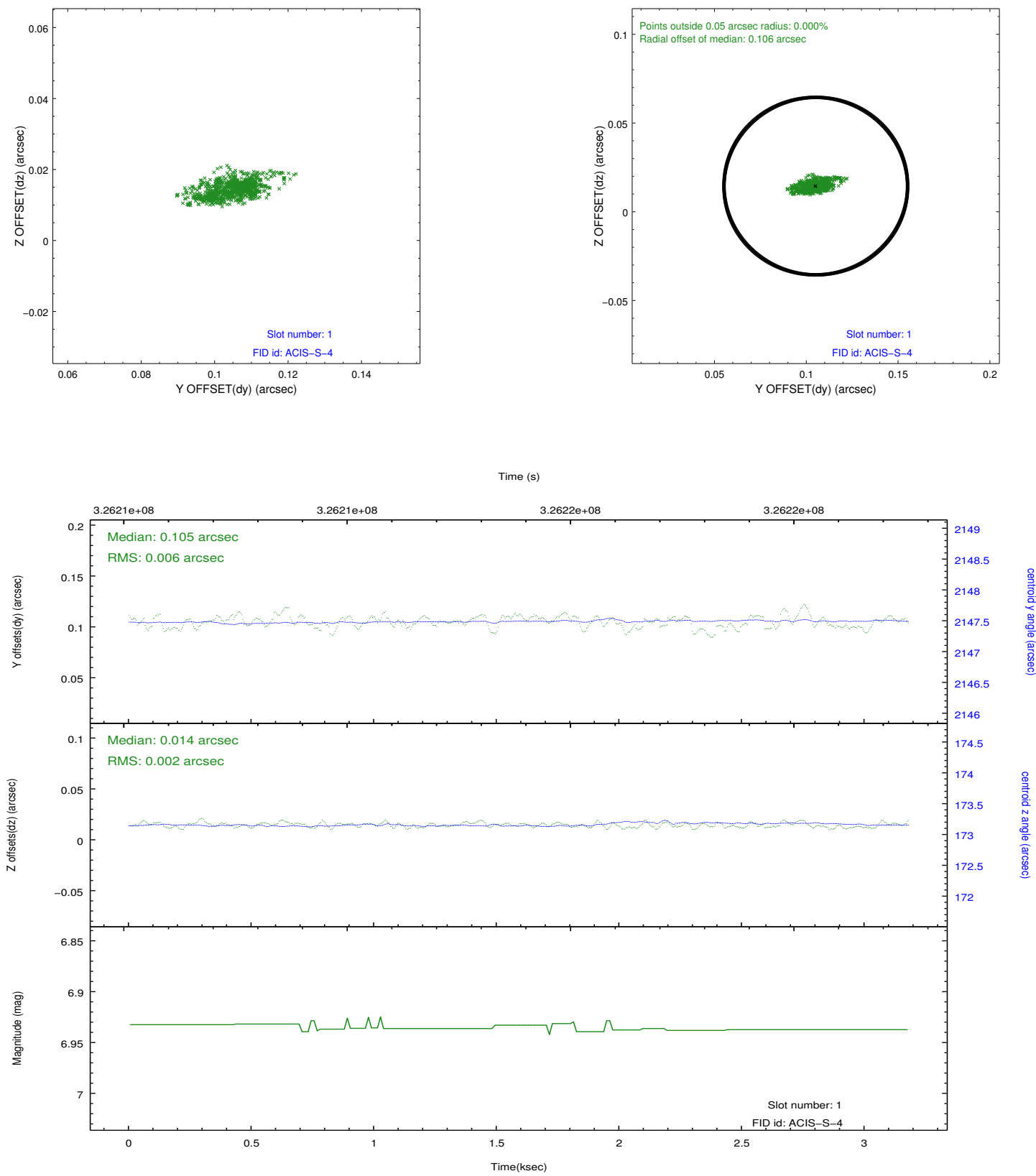


2.5 FID Slots

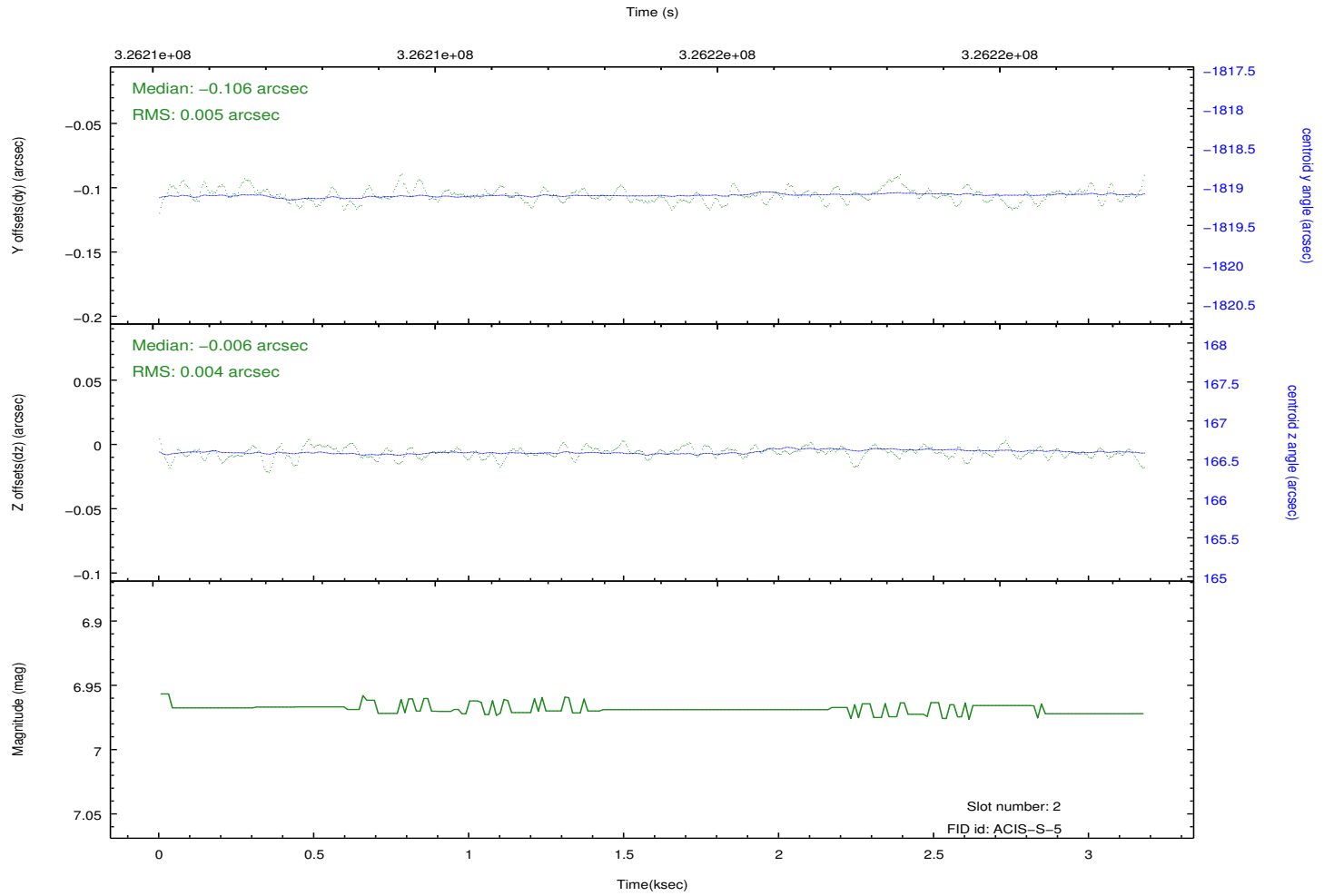
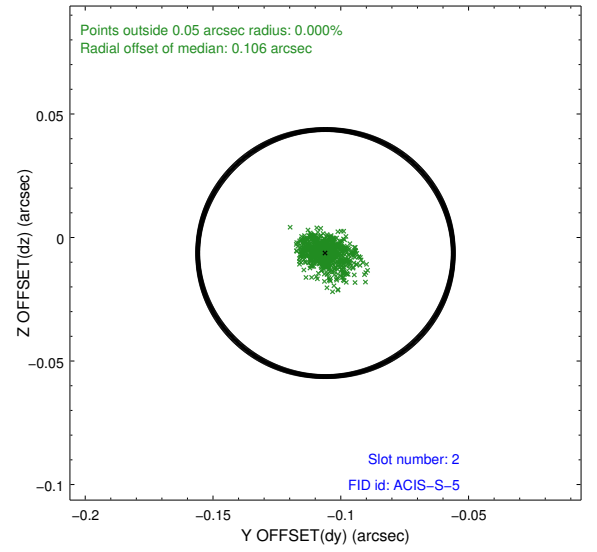
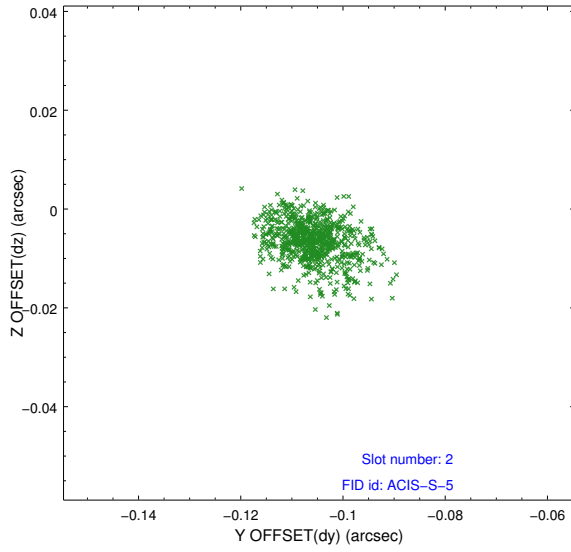
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.17439998

A.2 Comments