

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 7605 - L2 Version 3
Chandra X-Ray Center

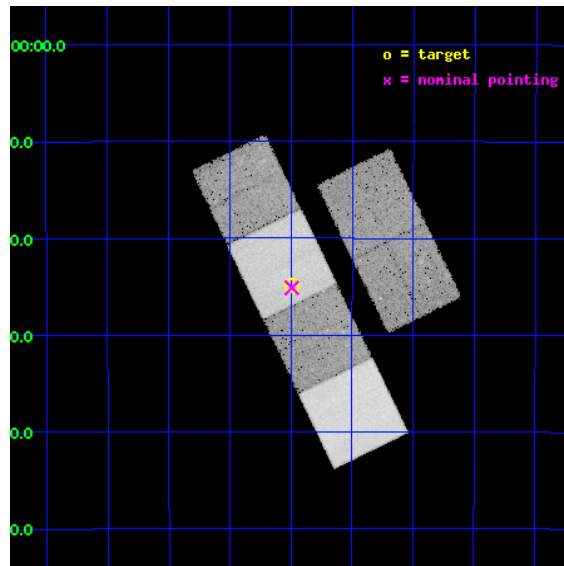
L2 Processing Date : Apr 22 2012

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1 Front

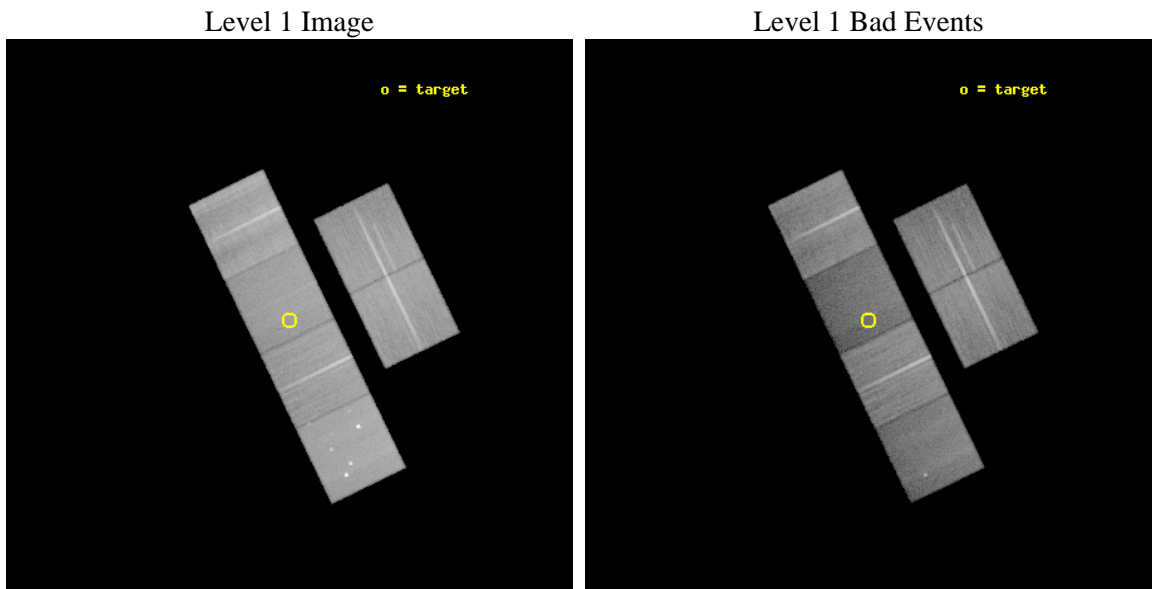
seq_num	500735	Sequence number
obs_id	7605	Observation id
title	CHANDRA OBSERVATIONS OF YOUNG ENERGETIC SUPERNOVAE	Proposal title
observer	Prof. David Pooley	Principal investigator
object	SN 2003bg	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	62.7475	Observer's specified target RA [deg]
dec_targ	-31.413972	Observer's specified target Dec [deg]
ra_nom	62.74807902539	Nominal RA [deg]
dec_nom	-31.418793109348	Nominal Dec [deg]
roll_nom	244.08459459017	Nominal Roll [deg]
revision	3	Processing version of data
ontime	35046.399869502	Sum of GTIs [s]
livetime	34602.621251945	Livetime [s]
ontime2	35036.67705828	Sum of GTIs [s]
ontime3	35039.917938948	Sum of GTIs [s]
ontime5	35046.399869502	Sum of GTIs [s]
ontime6	35036.677018523	Sum of GTIs [s]
ontime7	35046.399869502	Sum of GTIs [s]
ontime8	35046.399869502	Sum of GTIs [s]
l2events	352871	Number of level 2 events



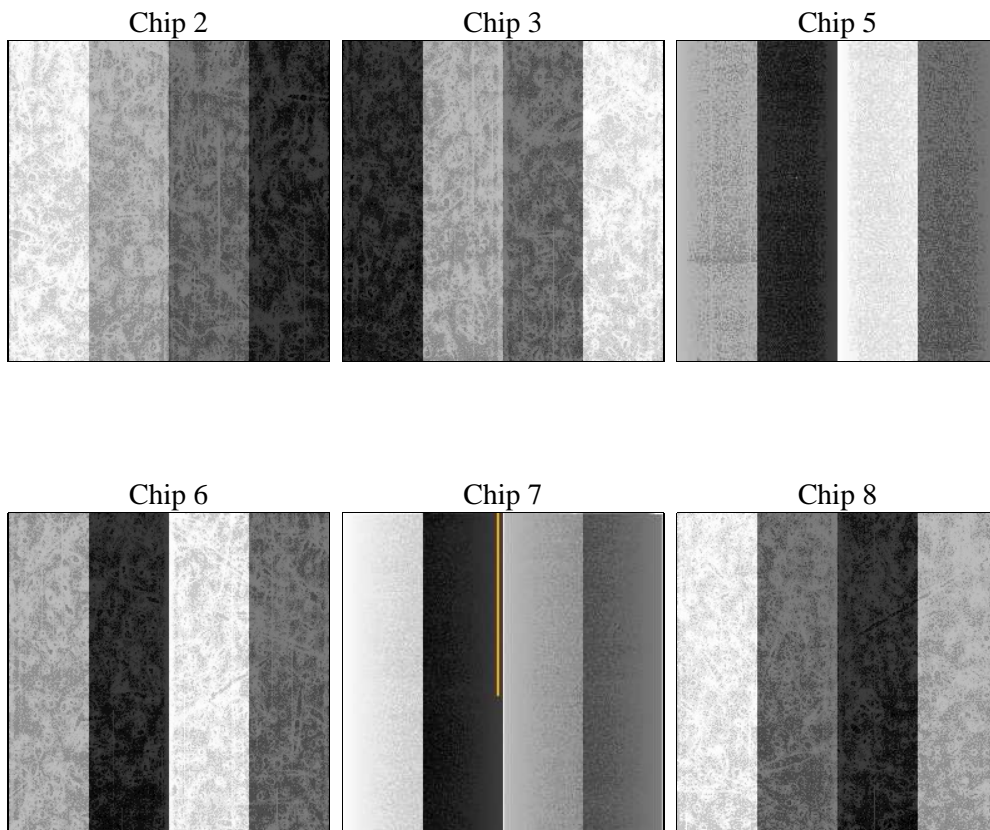
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	35000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	35046.399869502	Sum of GTIs [s]
caldbver	4.4.9	 	ontime2	35036.67705828	Sum of GTIs [s]
date	2012-04-22T20:37:46	Date and time of file creation	ontime3	35039.917938948	Sum of GTIs [s]
revision	3	Processing version of data	ontime5	35046.399869502	Sum of GTIs [s]
			ontime6	35036.677018523	Sum of GTIs [s]
			ontime7	35046.399869502	Sum of GTIs [s]
			ontime8	35046.399869502	Sum of GTIs [s]
			l1events	1648190	Number of level 1 events

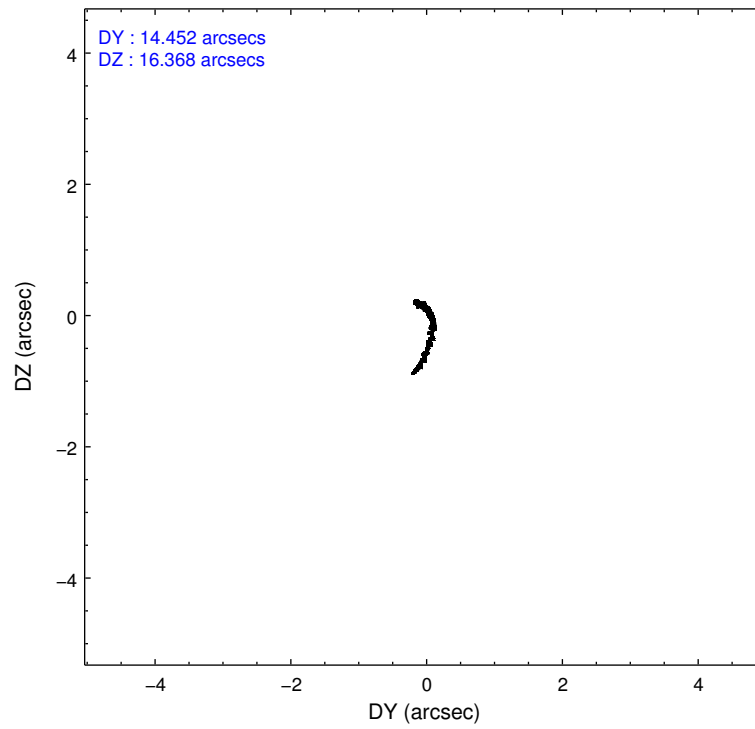
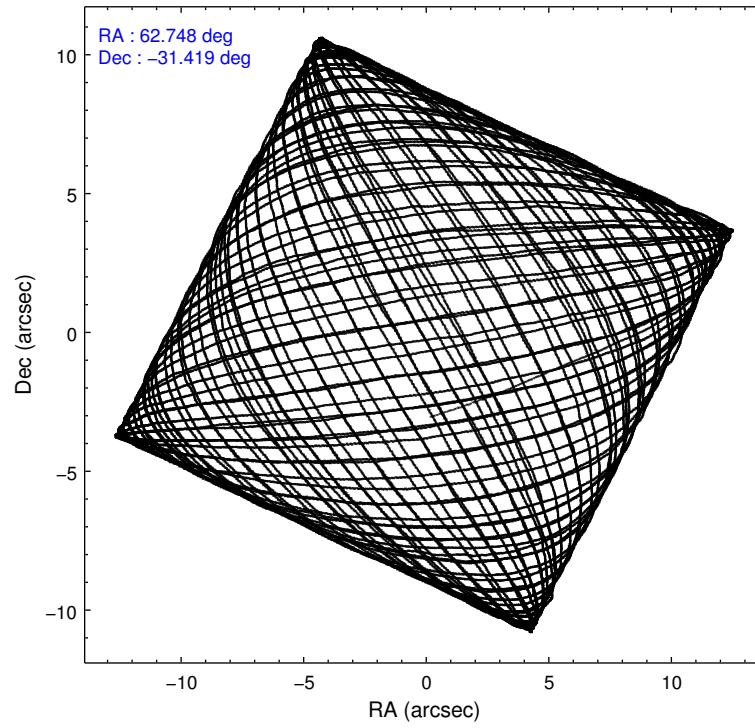
2.1.4 Events

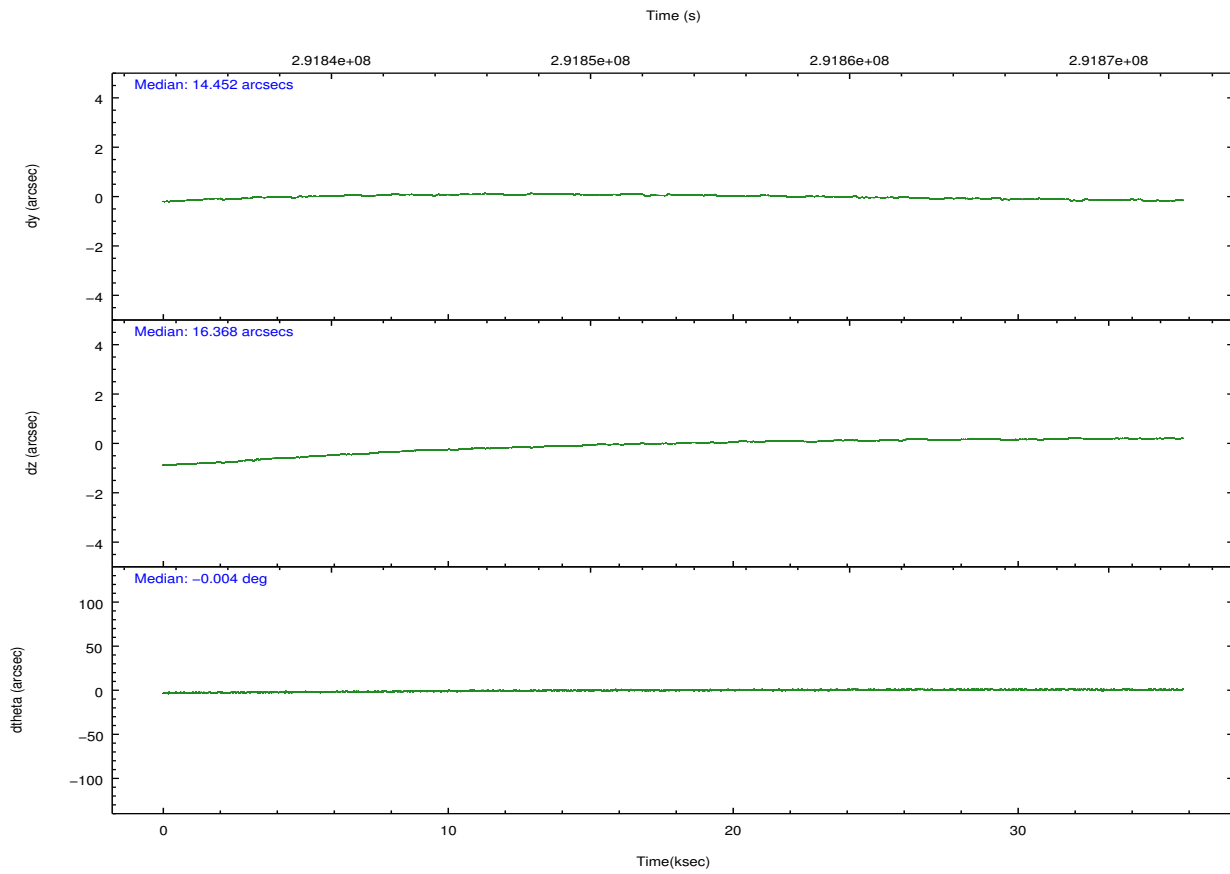
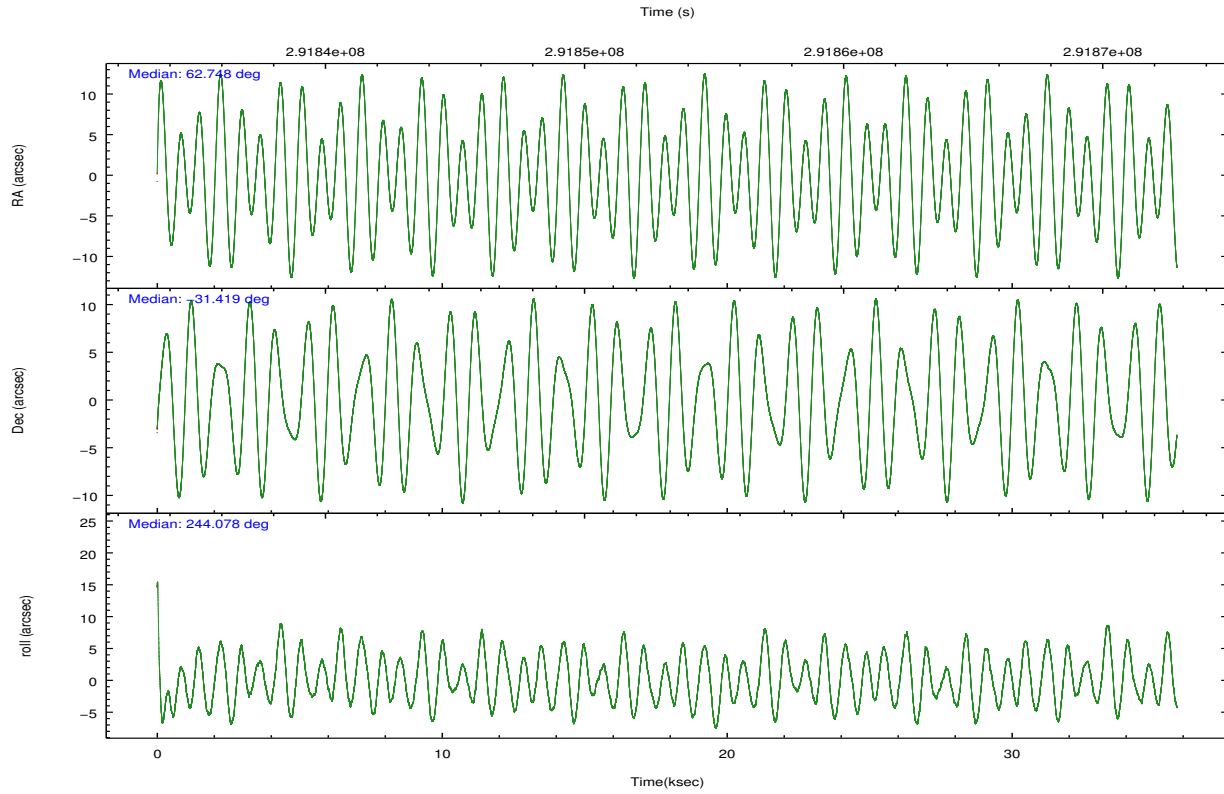
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	272864	239205	326517	257944	237227	314433	grade 0 events	9105	8270	28587	9146	12128	21172
rejected events	248278	216809	147749	232412	120144	236743		3%	3%	8%	3%	5%	6%
rejected %	90%	90%	45%	90%	50%	75%	grade 1 events	142	125	1531	145	327	264
								0%	0%	0%	0%	0%	0%
							grade 2 events	5831	4780	52151	5641	24727	17943
								2%	1%	15%	2%	10%	5%
							grade 3 events	2518	2603	7620	2871	11221	8786
								0%	1%	2%	1%	4%	2%
							grade 4 events	2710	2515	7143	2802	10932	8118
								0%	1%	2%	1%	4%	2%
							grade 5 events	7196	8262	25724	8531	25934	13183
								2%	3%	7%	3%	10%	4%
							grade 6 events	4424	4233	83304	5075	58080	21704
								1%	1%	25%	1%	24%	6%
							grade 7 events	240938	208417	120457	223733	93878	223263
								88%	87%	36%	86%	39%	71%

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	62.745352	62.74807902538995	CCD I2 on	O2	Y
[deg] Pointing Dec	-31.391548	-31.41879310934826	CCD I3 on	Y	Y
[deg] Pointing Roll	243.926541	244.0845945901718	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	-190.1400660498719	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.00754346686406393	CCD S4 on	Y	Y
[s] Observation start time (MET)	291836078.184000	291834627.28982	CCD S5 on	N	N
Observation start date	2007-04-01T17:33:33	2007-04-01T17:10:27	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	291871078.184000	291872627.62913	On-chip summing requested	N	N
Observation end date	2007-04-02T03:16:53	2007-04-02T03:43:47	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



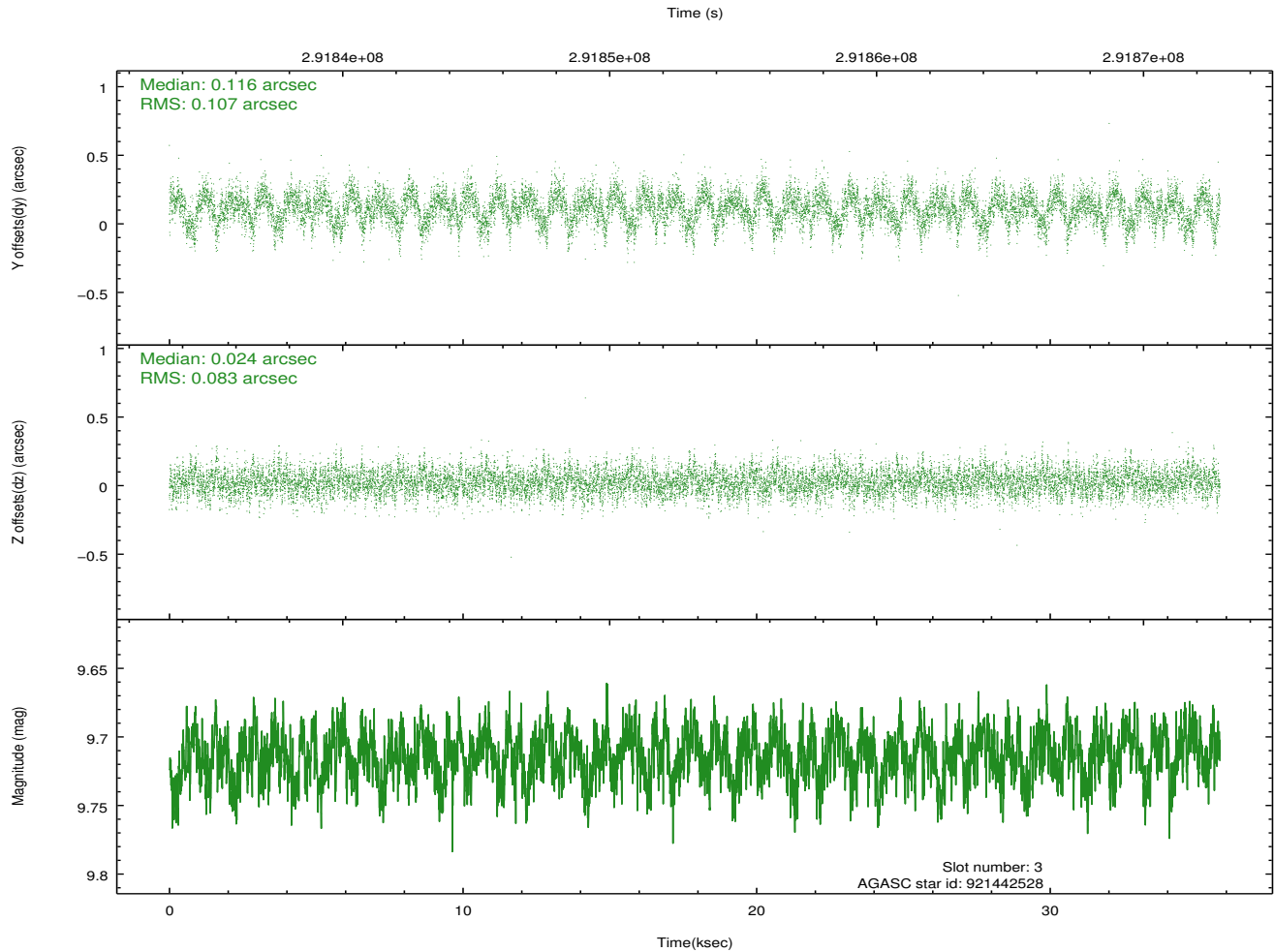
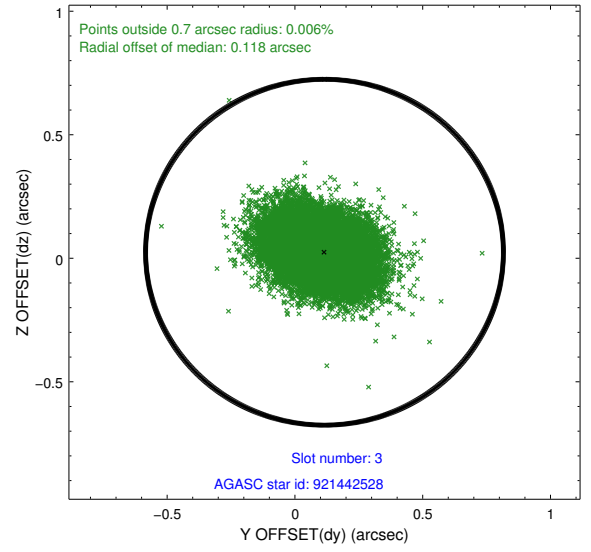
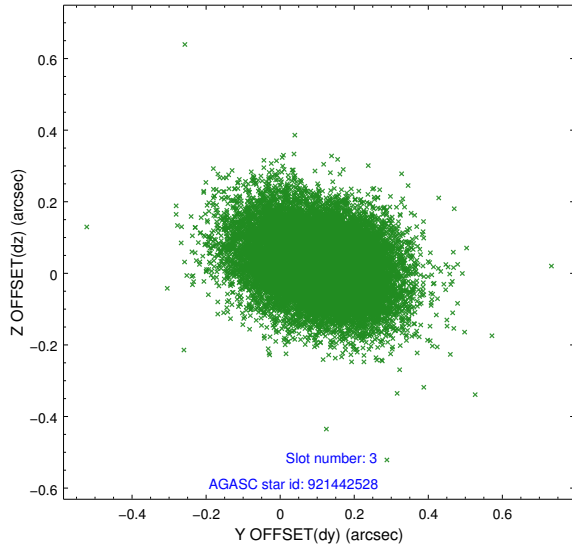


Slot Statistics

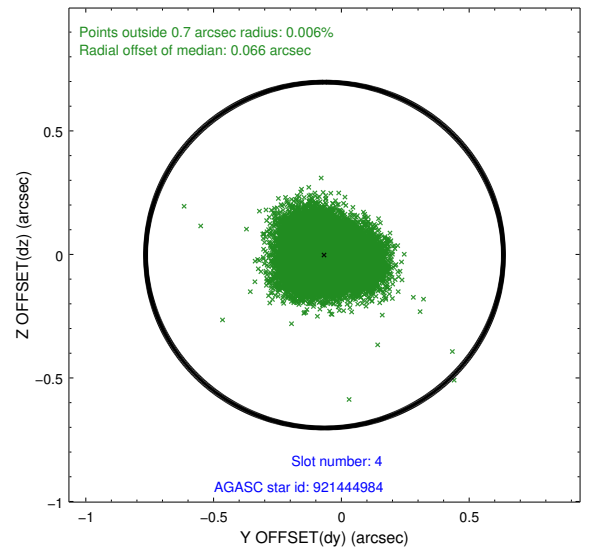
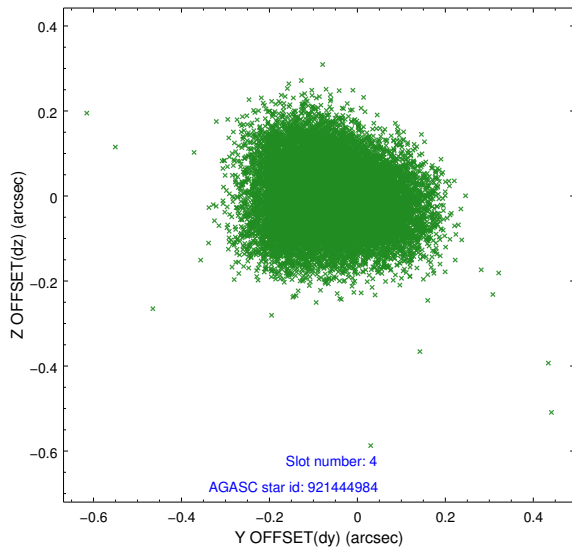
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.09	8729	-0.072	-0.035	0.012	0.019	0.000000	0.000000	-767.47	-1737.70
1	FID	ACIS-S-4	7.19	8725	0.198	0.044	0.008	0.014	0.000000	0.000000	2146.07	170.81
2	FID	ACIS-S-5	7.22	8729	-0.158	-0.000	0.011	0.017	0.000000	0.000000	-1820.35	164.50
3	GUIDE	921442528	9.71	17435	0.116	0.024	0.142	0.239	62.194584	-31.879140	2321.21	-738.53
4	GUIDE	921444984	9.70	17428	-0.066	-0.003	0.131	0.204	62.566305	-30.821839	-1597.84	-1398.53
5	GUIDE	922363888	8.71	17447	0.142	0.007	0.078	0.127	63.308834	-31.283379	-1107.41	1387.96
6	GUIDE	922365648	7.49	17455	-0.172	-0.051	0.064	0.102	63.098764	-31.581103	138.37	1275.88
7	GUIDE	921448472	9.57	17438	-0.021	0.018	0.133	0.212	62.115628	-30.967011	-512.71	-2415.15

2.4 Star Slots

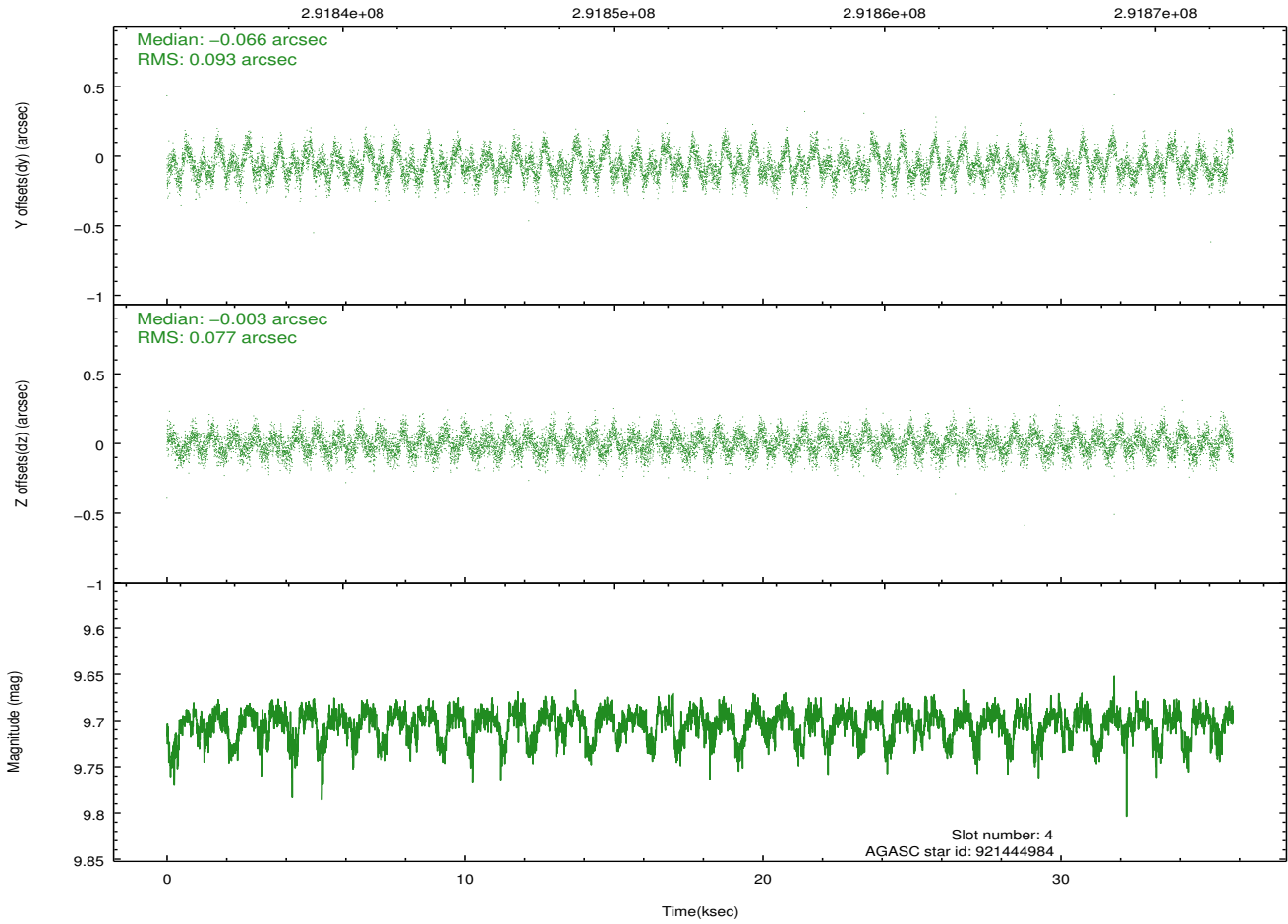
2.4.1 Slot 3



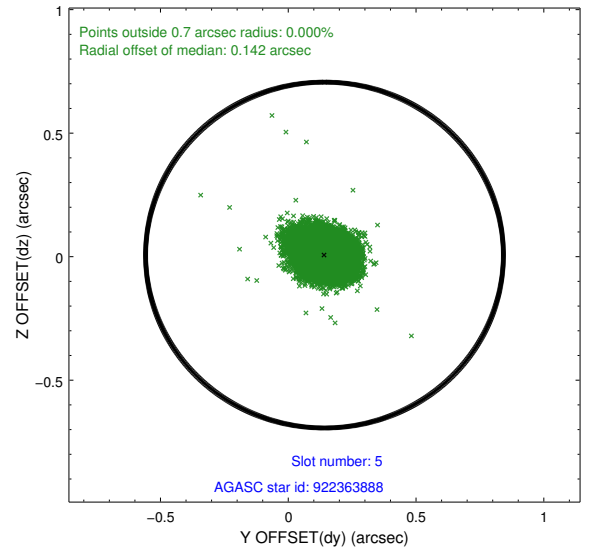
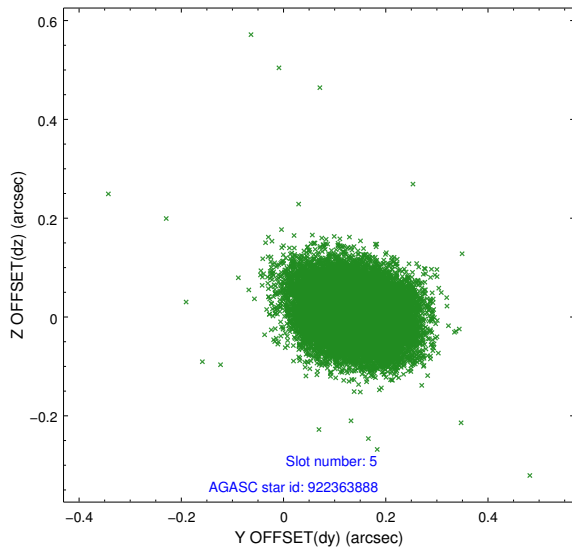
2.4.2 Slot 4



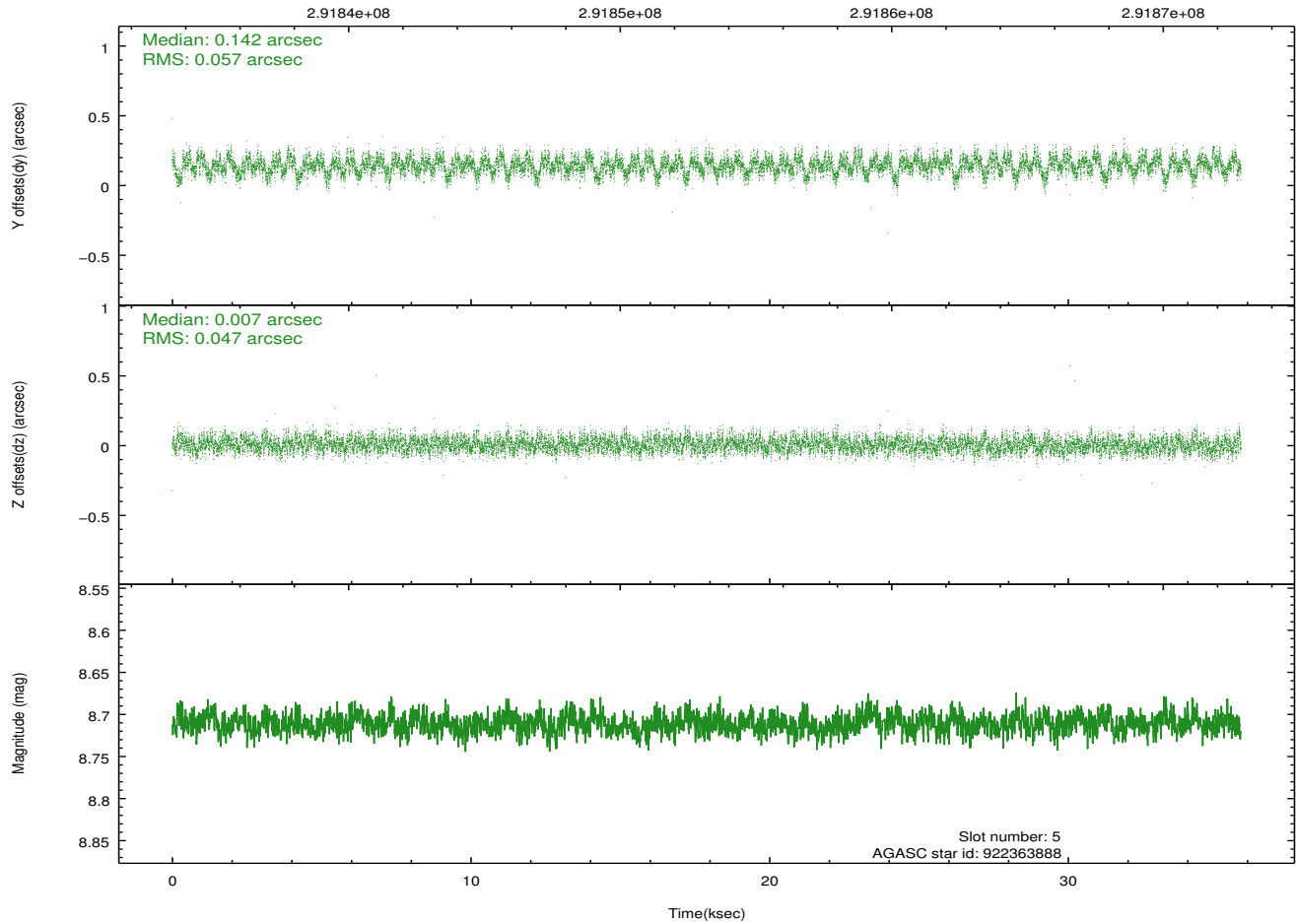
Time (s)



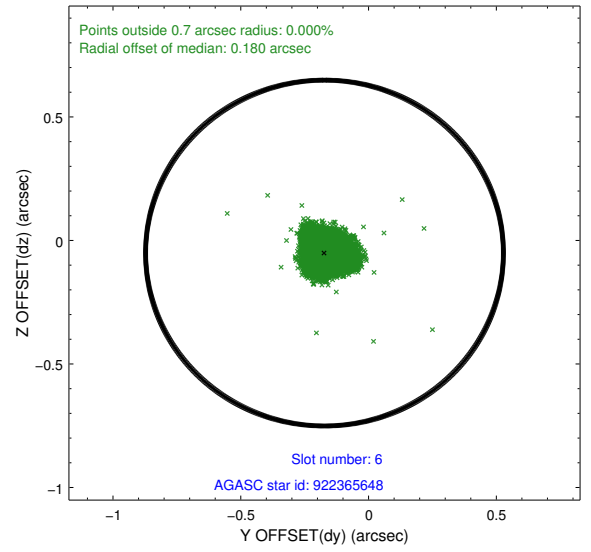
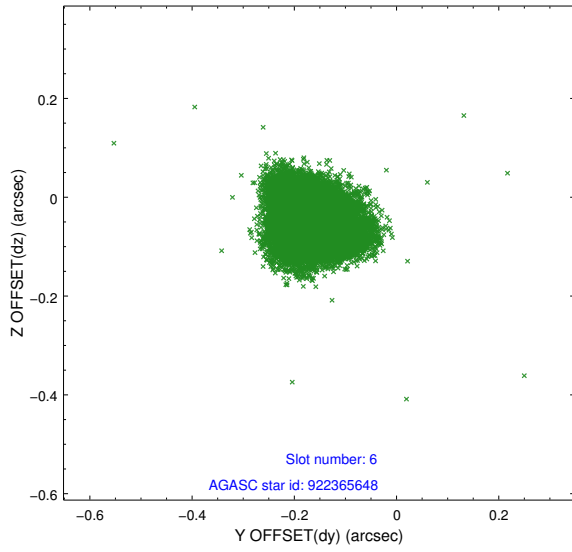
2.4.3 Slot 5



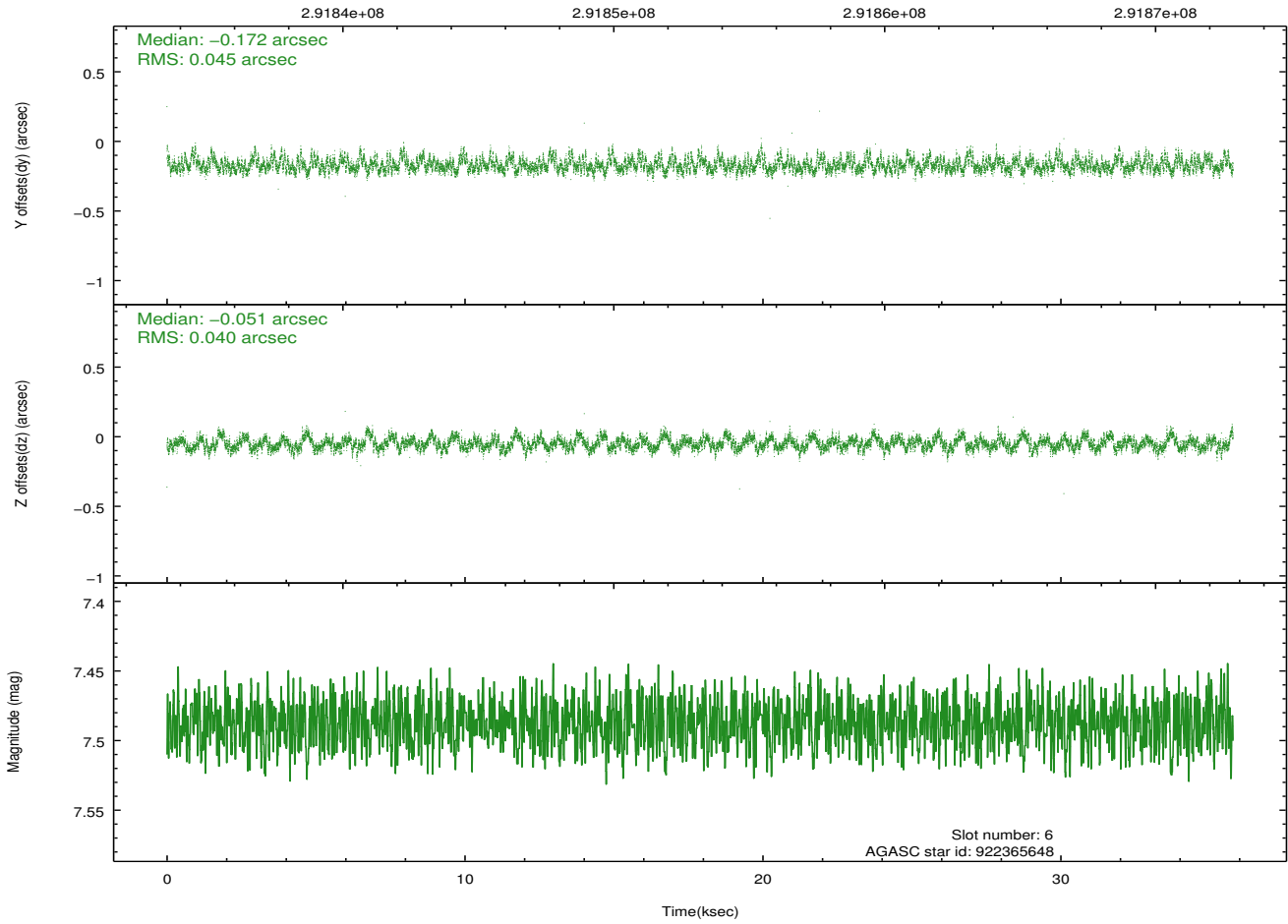
Time (s)



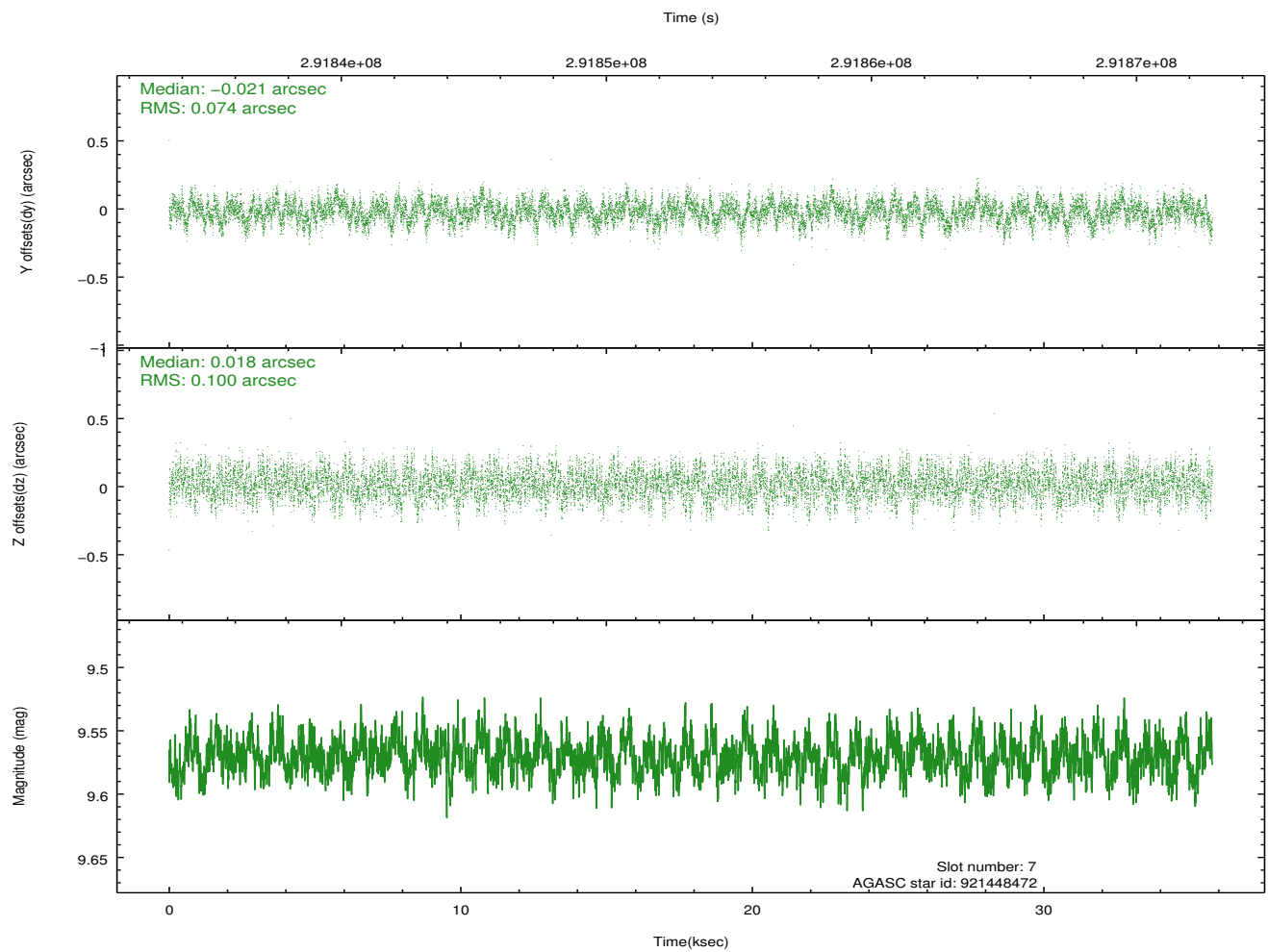
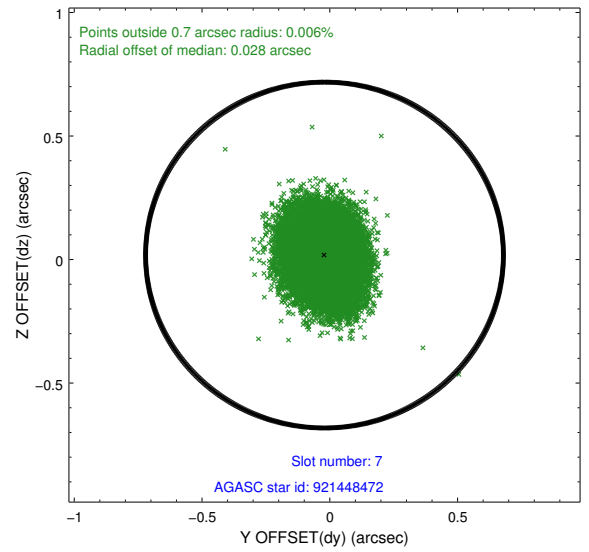
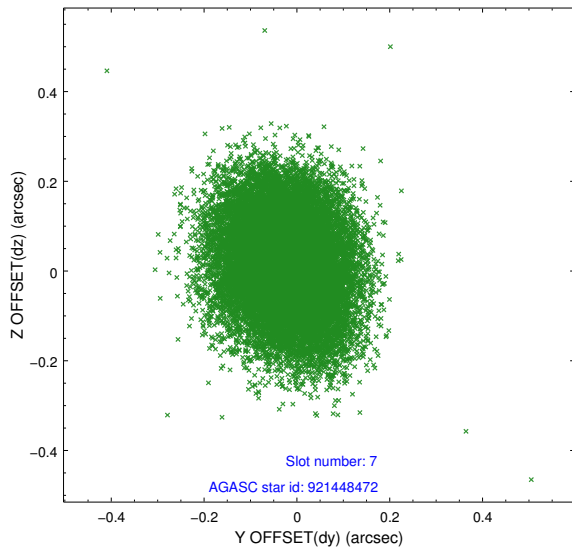
2.4.4 Slot 6



Time (s)

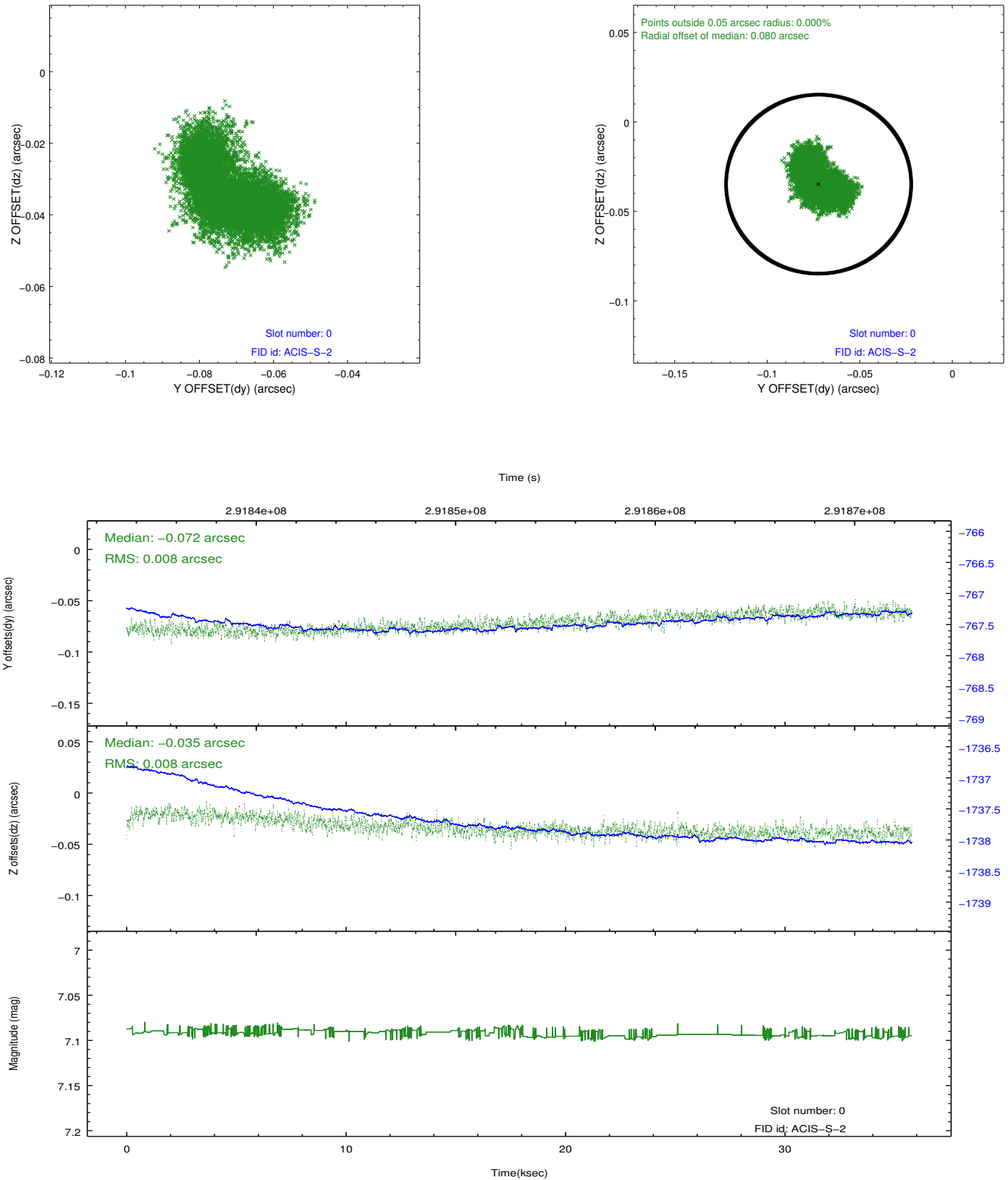


2.4.5 Slot 7

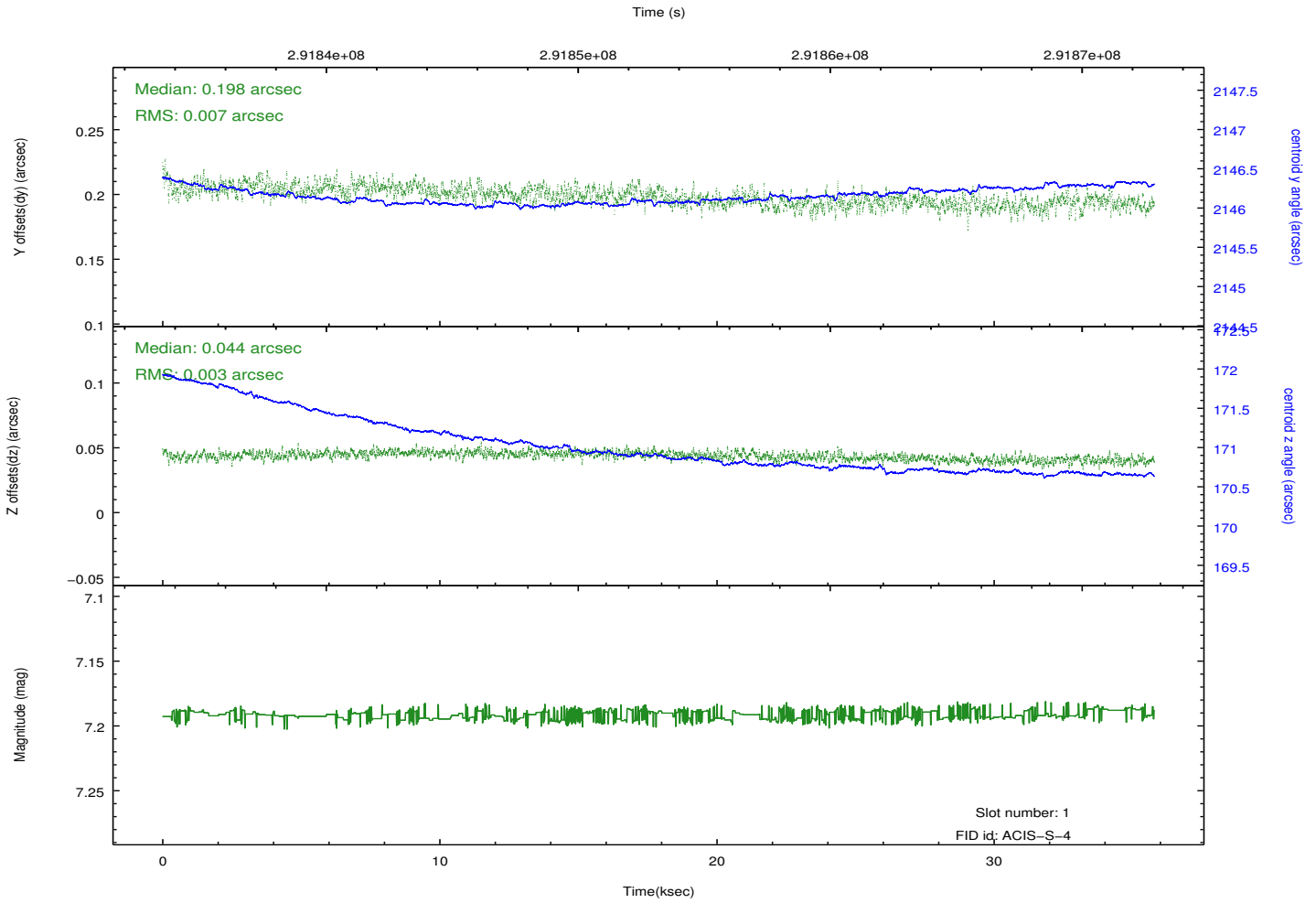
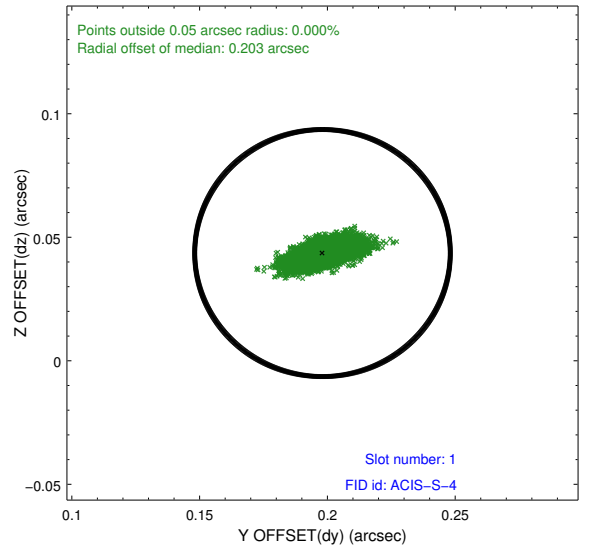
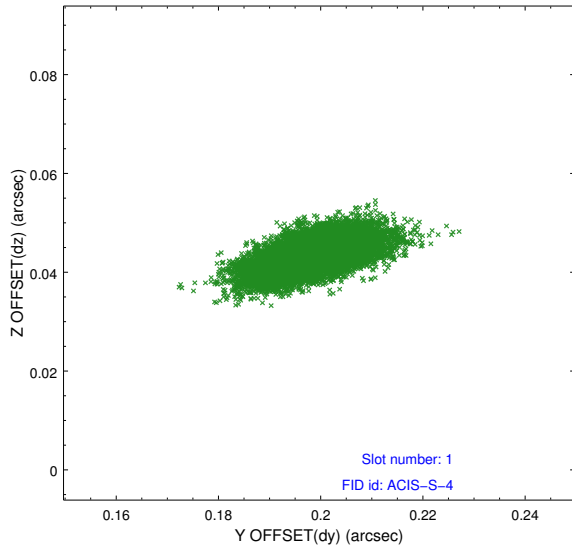


2.5 FID Slots

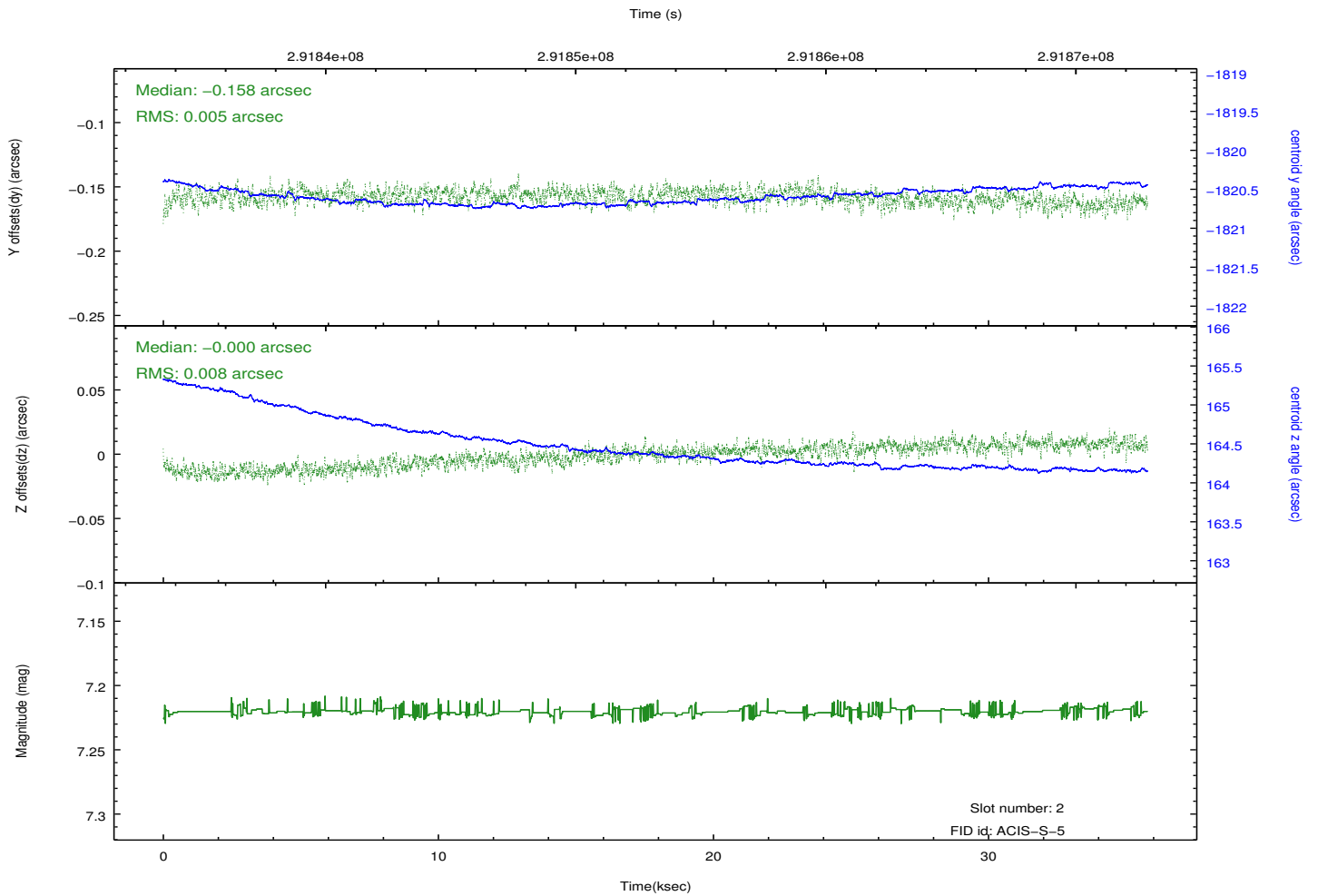
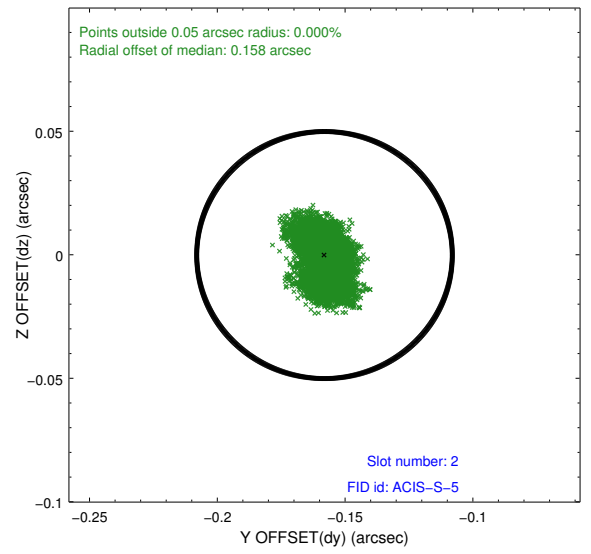
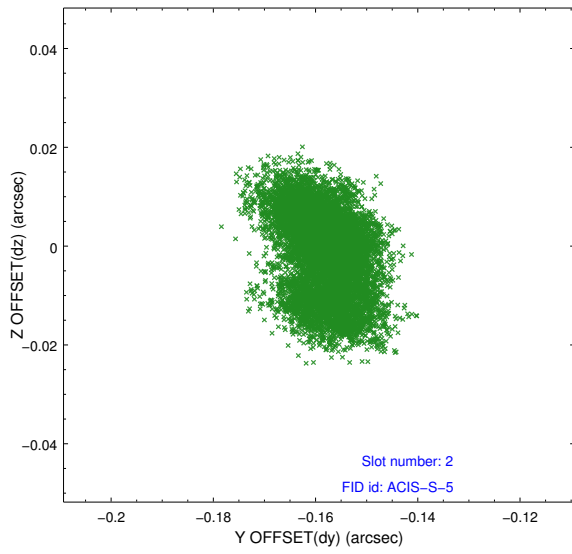
2.5.1 Slot 0



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)	2012.04.23
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	35.0463998

A.2 Comments