

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6121 - L2 Version 002
Chandra X-Ray Center

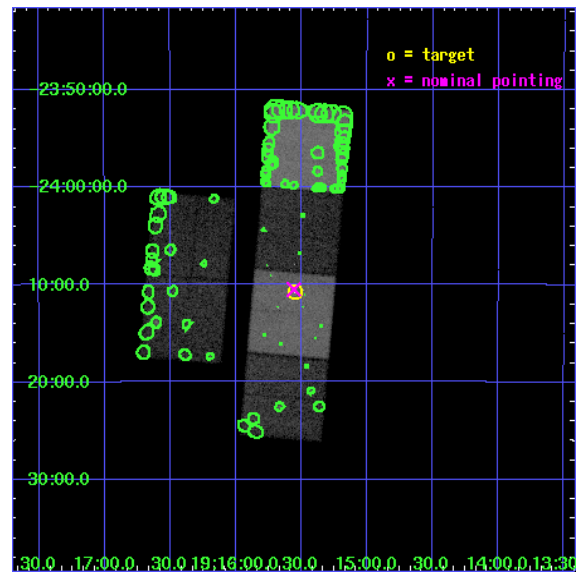
L2 Processing Date : Mar 8 2006

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1 Front

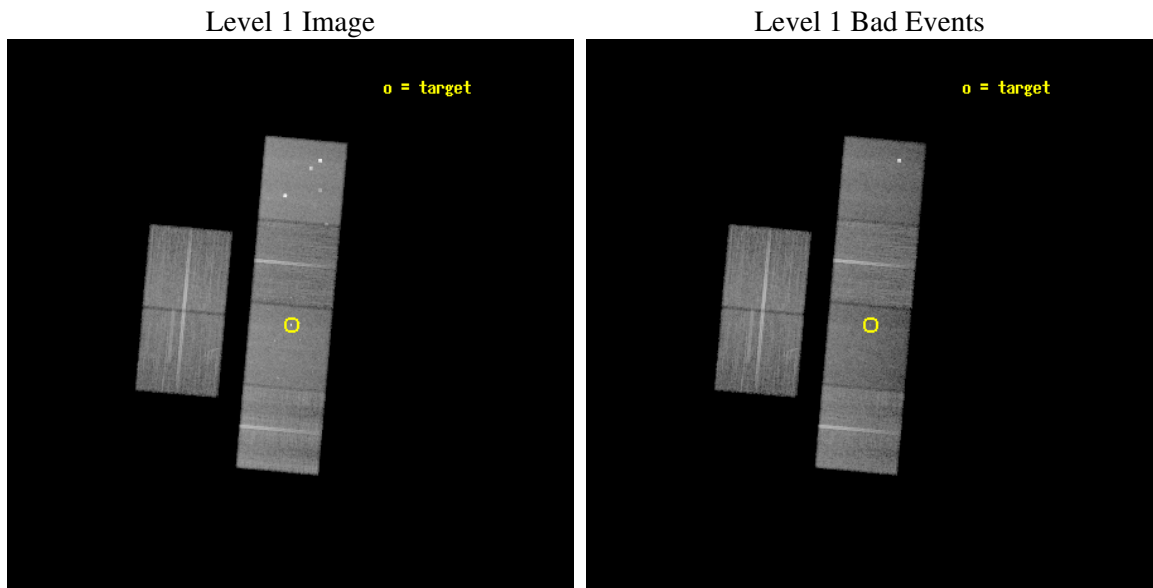
seq_num	200368
obs_id	6121
title	Planet-Induced Activity Enhancements in the HD 179949 System
observer	Dr. Steven Saar
object	HD 179949
dtcycle	0
cycle	P
ra_targ	288.888333
dec_targ	-24.179361
ra_nom	288.8897805945
dec_nom	-24.175224756867
roll_nom	95.120755687966
revision	2
ontime	30022.358907878
livetime	29642.197722093
ontime2	30025.599888146
ontime3	30019.117937505
ontime5	30022.358907878
ontime6	30025.599888146
ontime7	30022.358907878
ontime8	30022.358917773
l2events	262138



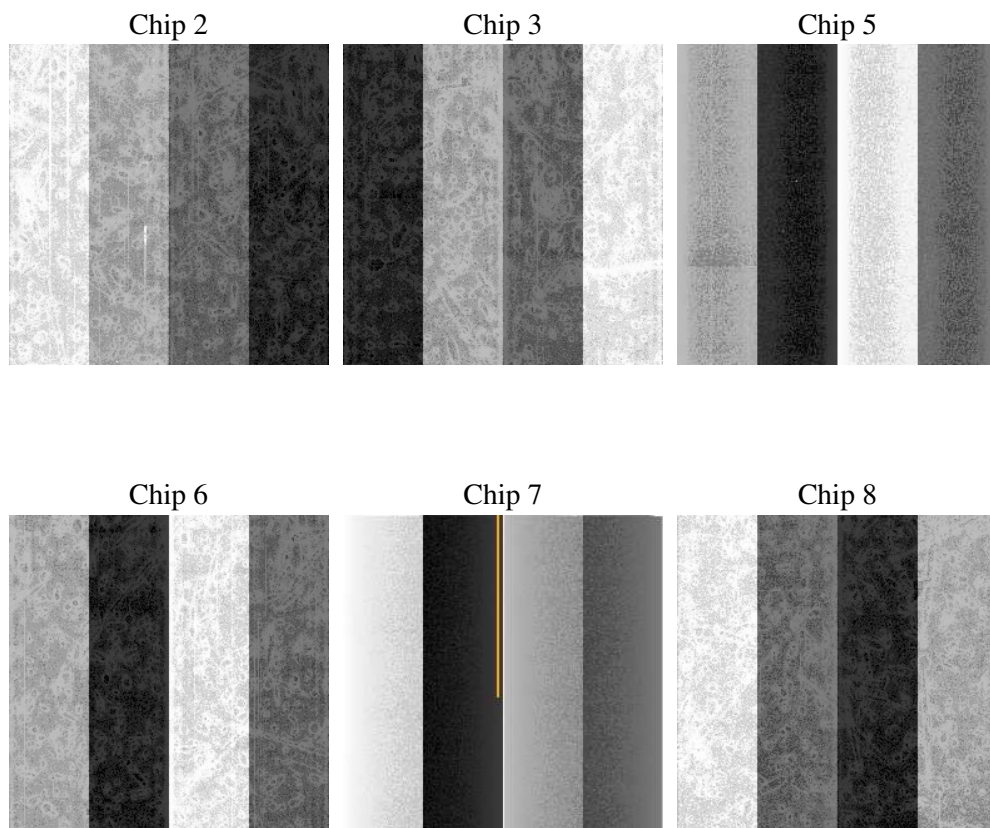
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.7.1
caldsver	3.2.1
date	2006-03-08T12:39:15
revision	2

sched_exp_time	30000.000000
ontime	30057.125600815
ontime2	30060.366581082
ontime3	30053.884630442
ontime5	30057.125600815
ontime6	30060.366581082
ontime7	30057.125600815
ontime8	30057.125600785
l1events	1222071

2.1.4 Events

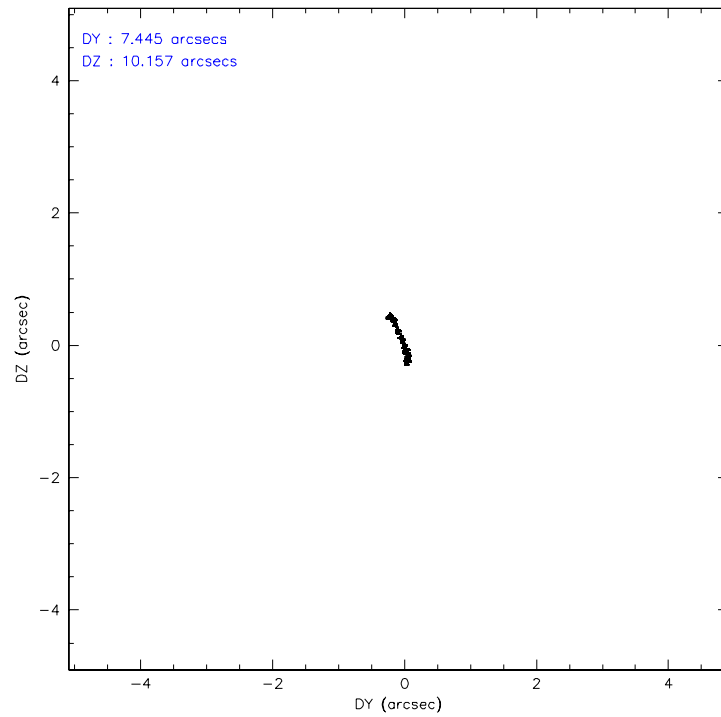
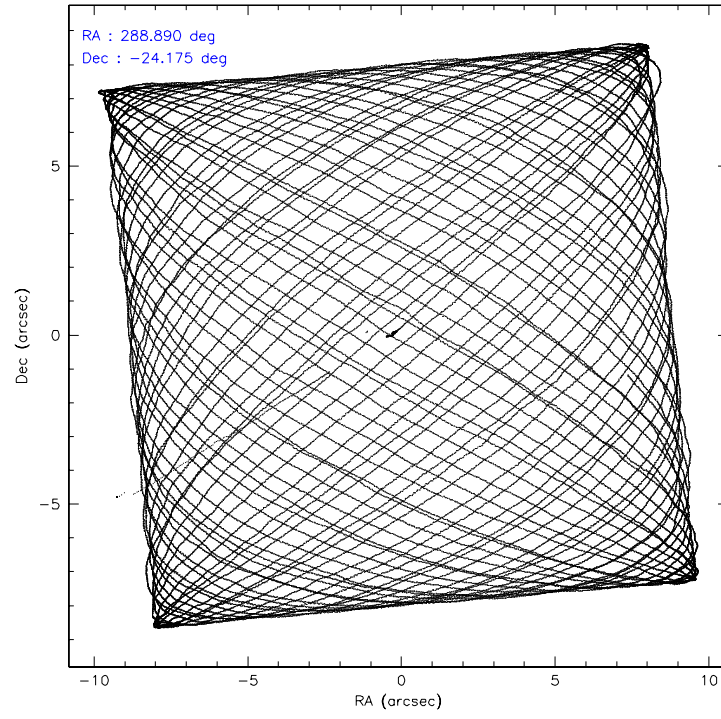
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	188588	171204	254761	178599	203693	225226
rejected events	170492	153696	131479	159217	115657	172844
rejected %	90%	89%	51%	89%	56%	76%

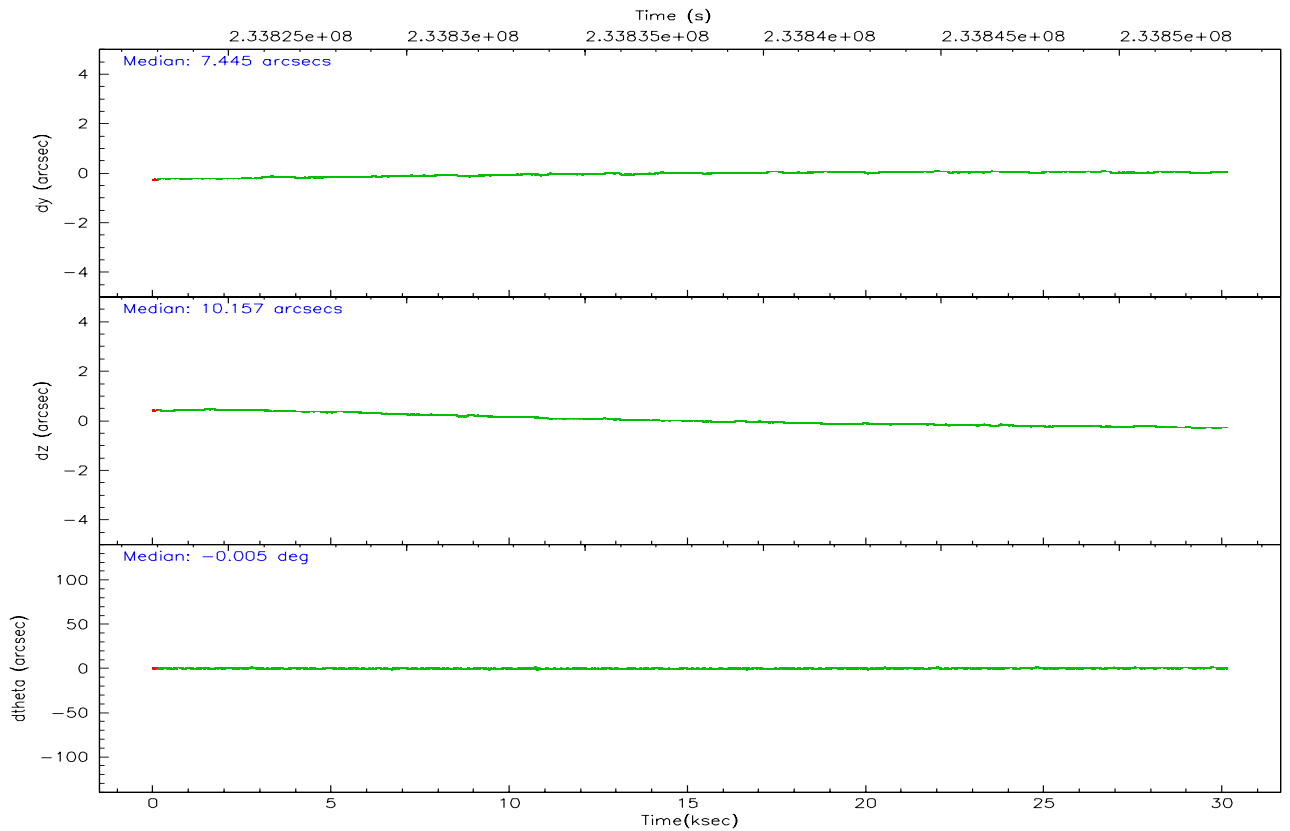
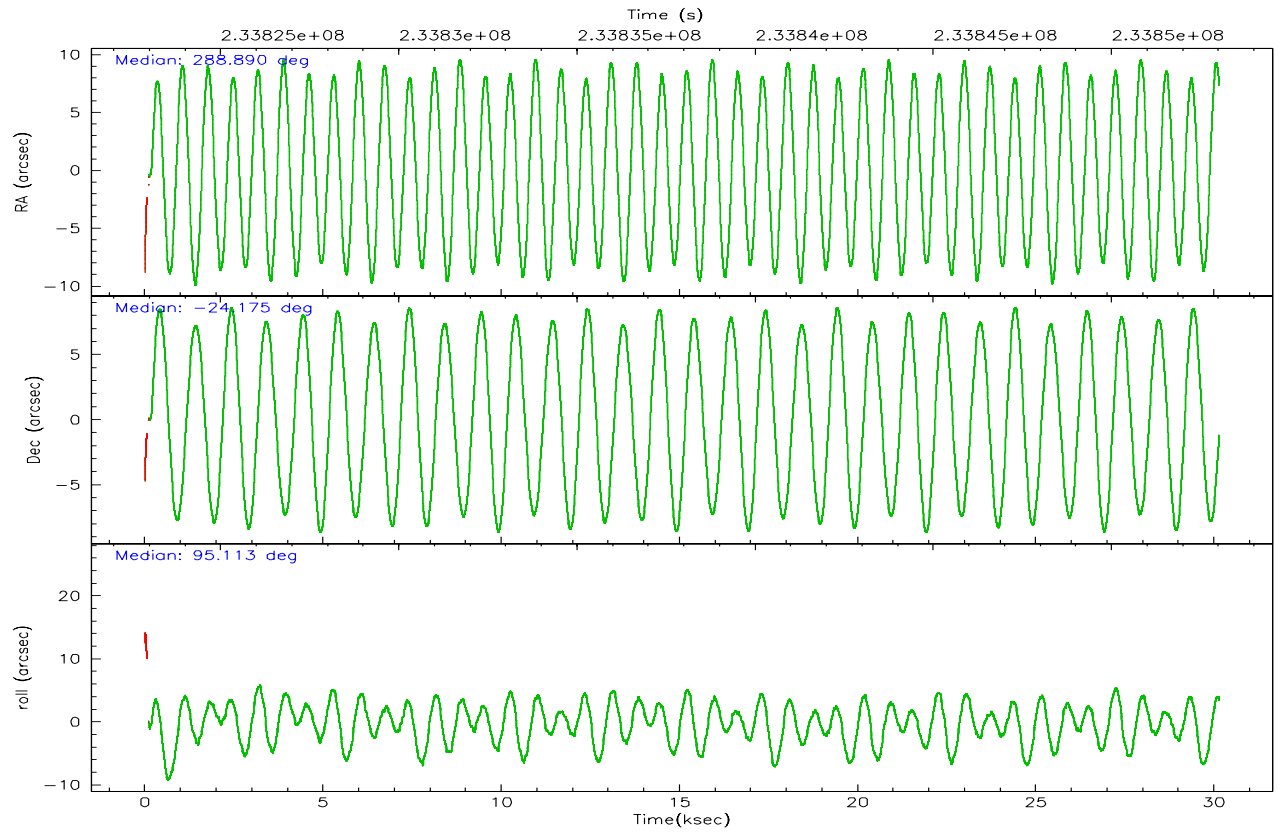
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6669	6735	13587	7347	6660	15980
	3%	3%	5%	4%	3%	7%
grade 1 events	102	87	104	73	123	167
	0%	0%	0%	0%	0%	0%
grade 2 events	4284	3630	38241	3940	22031	11790
	2%	2%	15%	2%	10%	5%
grade 3 events	1940	1971	3176	2085	5280	5636
	1%	1%	1%	1%	2%	2%
grade 4 events	1915	1916	2804	2031	5050	5295
	1%	1%	1%	1%	2%	2%
grade 5 events	6300	6982	15196	7330	14864	10305
	3%	4%	5%	4%	7%	4%
grade 6 events	3313	3270	65621	3999	49111	13732
	1%	1%	25%	2%	24%	6%
grade 7 events	164065	146613	116032	151794	100574	162321
	86%	85%	45%	84%	49%	72%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	288.907277	288.8897805944998	Alternating exposures requested	N	N
Pointing Dec	-24.197268	-24.17522475686687	Primary exposure time	0.000000	3.2
Pointing Roll	94.971297	95.12075568796635			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-190.132523	-190.1400660498719			
SIM translation stage offset (mm)	0	0.00754346686406393			
Phase constraints	Y	Y			
Phase period	3.092455	3.092455			
Phase epoch	52891.020000	52891.020000			
Phase start	0.510000	0.510000			
Phase end	0.630000	0.630000			
Phase start error	0.030000	0.030000			
Phase end error	0.030000	0.030000			
Observation start time	233823028.184000	233822020.52182			
Observation start date	2005-05-30T06:49:24	2005-05-30T06:33:40			
Observation end time	233853028.184000	233853962.08577			
Observation end date	2005-05-30T15:09:24	2005-05-30T15:26:02			
Read mode	TIMED	TIMED			

2.3 Aspect



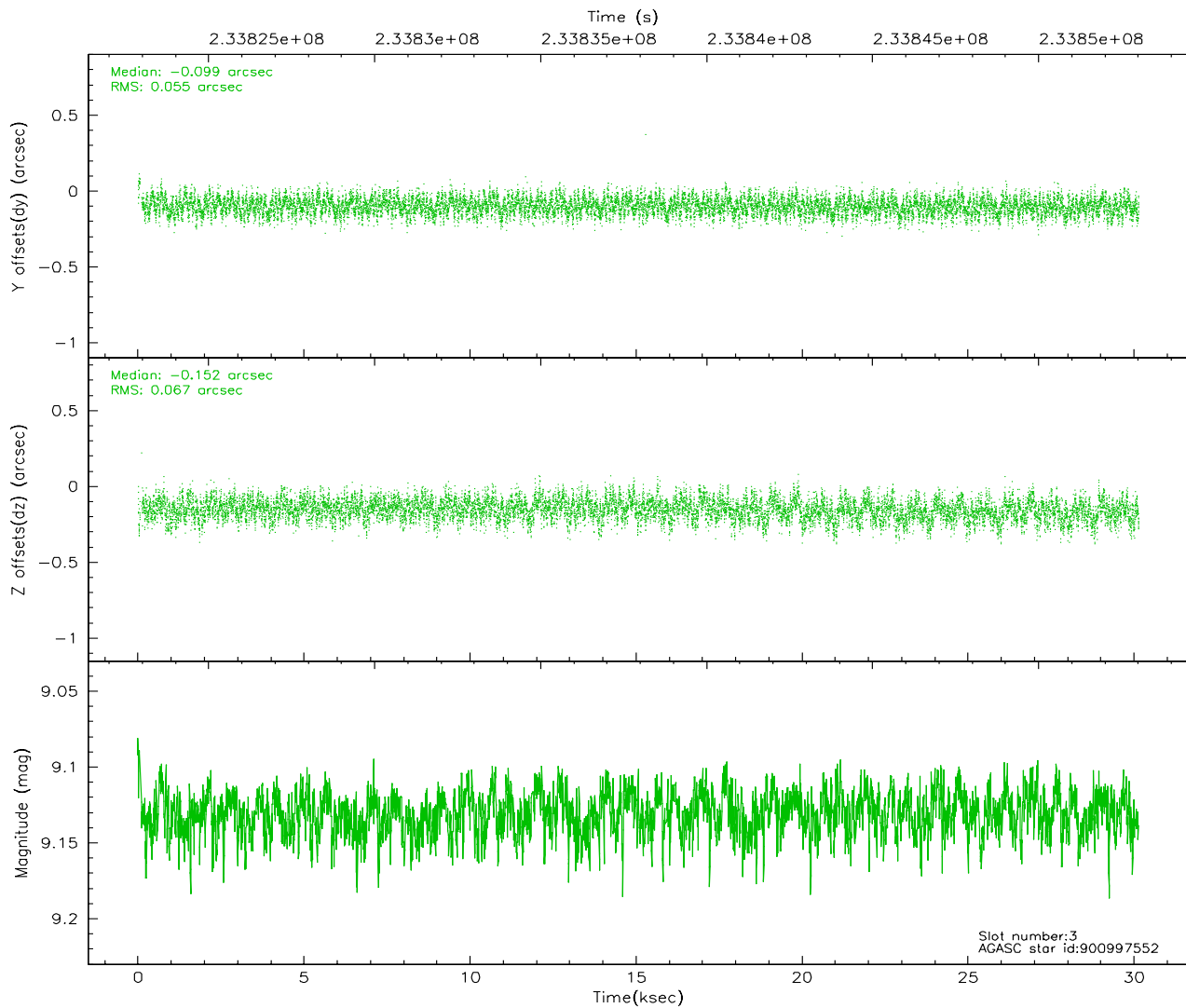
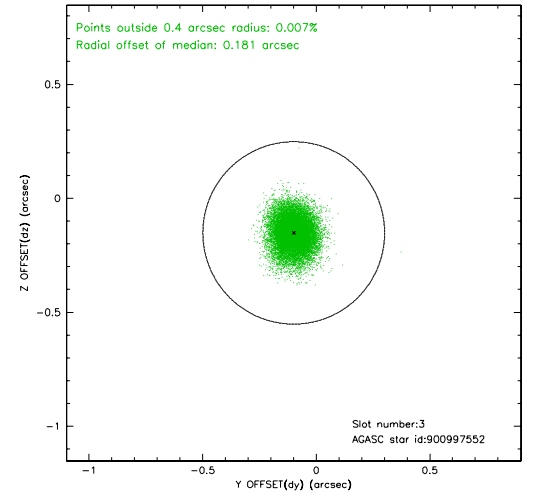
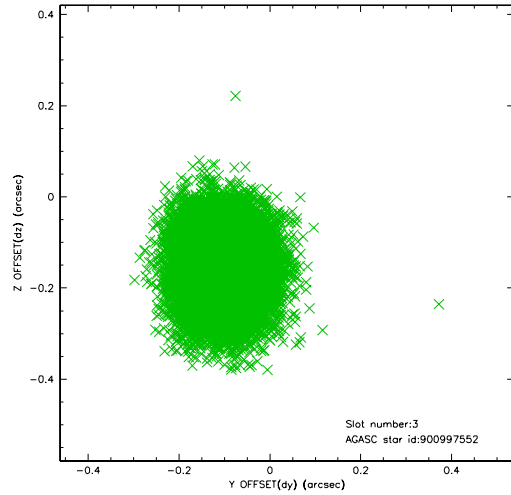


Slot Statistics

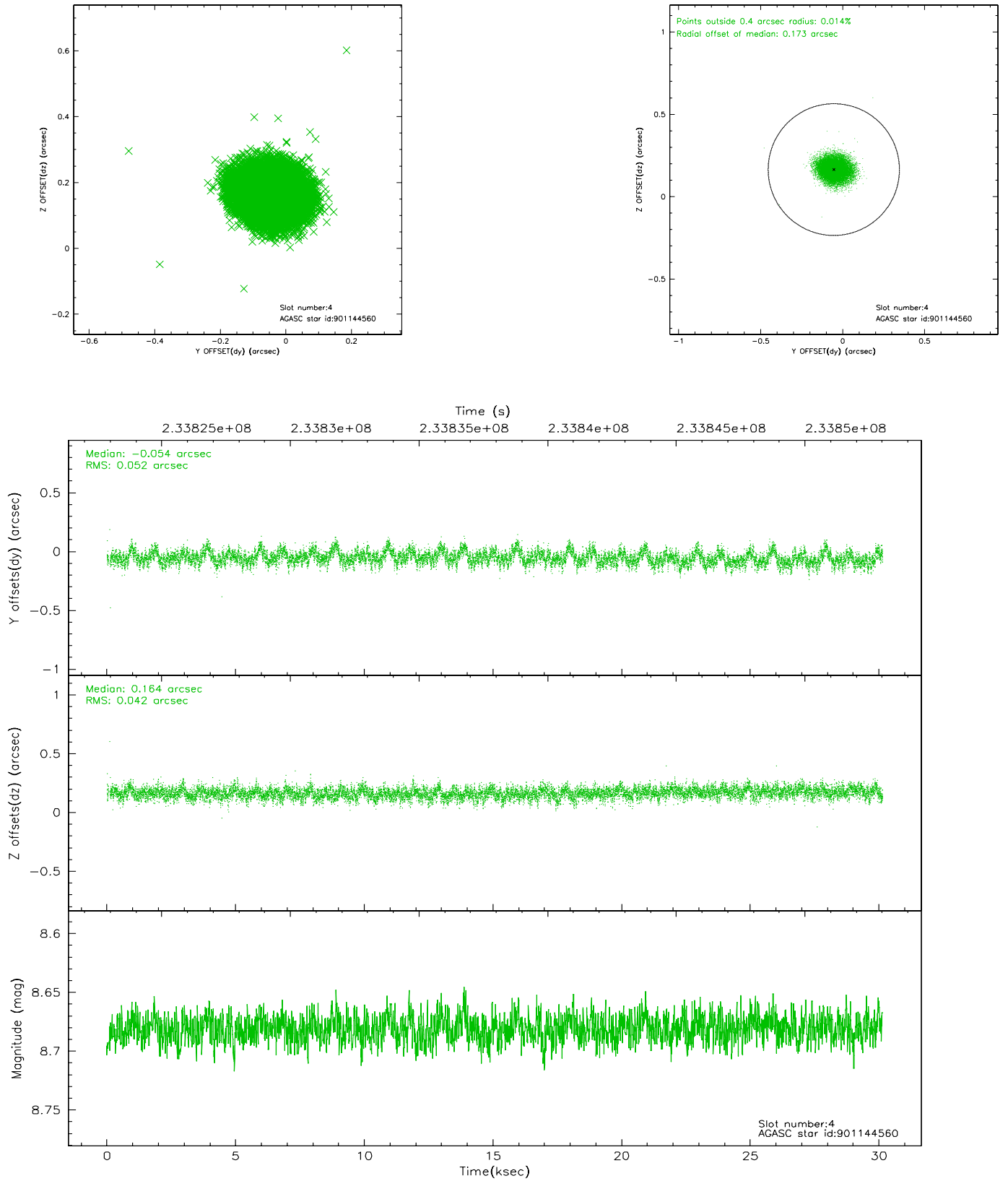
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7337	-0.042	-0.005	0.011	0.018	0.000000	0.000000	-760.17	-1731.48
1	FID	ACIS-S-4	7.21	7336	0.063	0.022	0.013	0.022	0.000000	0.000000	2153.13	177.03
2	FID	ACIS-S-5	7.23	7337	-0.051	-0.008	0.009	0.016	0.000000	0.000000	-1812.97	170.66
3	GUIDE	900997552	9.13	14667	-0.099	-0.152	0.093	0.147	288.312519	-24.029579	766.66	1896.33
4	GUIDE	901144560	8.68	14671	-0.054	0.164	0.072	0.116	289.333664	-23.842375	1149.47	-1508.71
5	GUIDE	901514880	8.92	14670	0.089	-0.188	0.086	0.138	288.396412	-24.524459	-1031.45	1768.86
6	GUIDE	901647096	9.15	14665	0.061	0.181	0.080	0.132	289.707413	-24.700499	-2038.65	-2449.39
7	MONITOR		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00

2.4 Star Slots

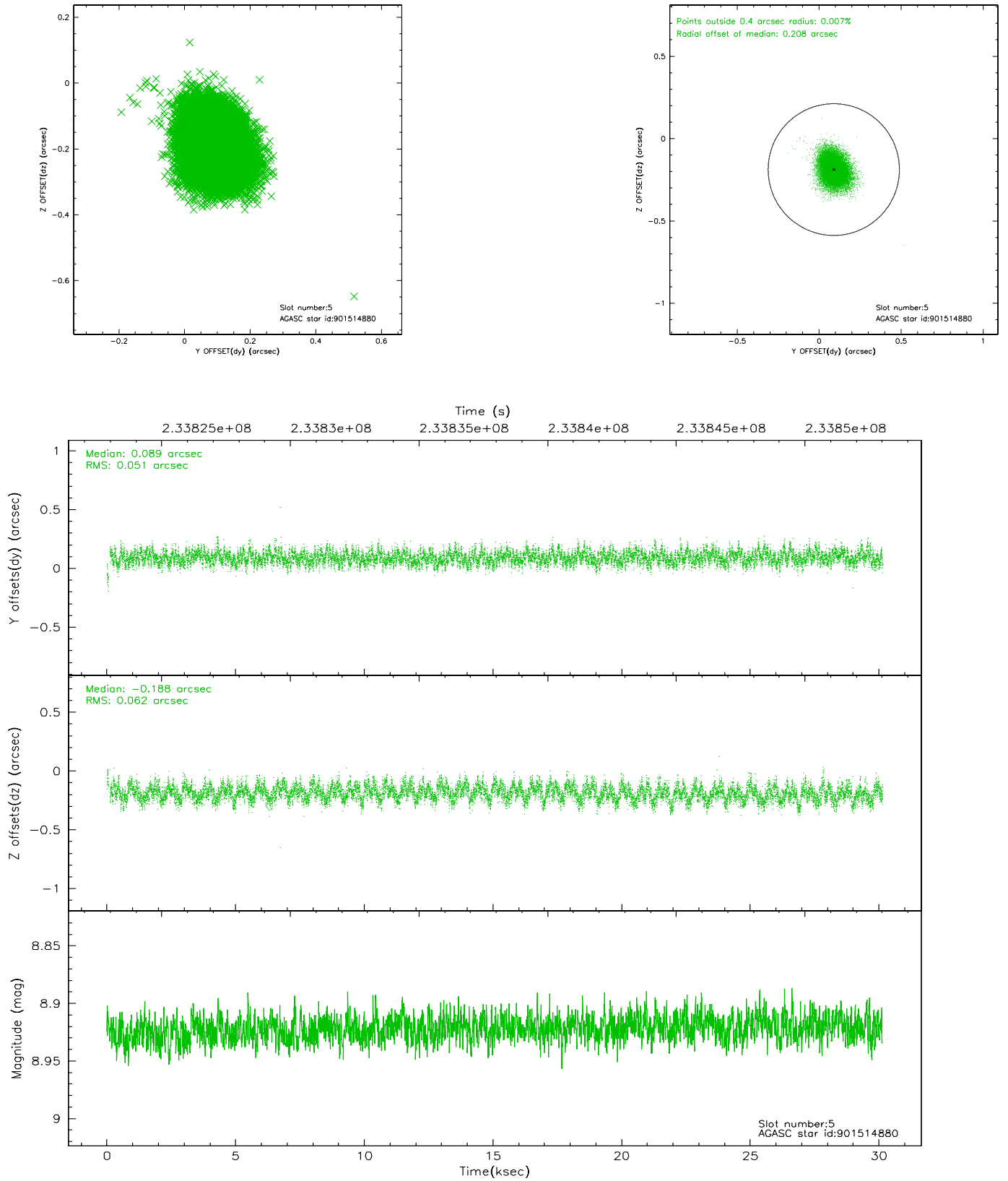
2.4.1 Slot 3



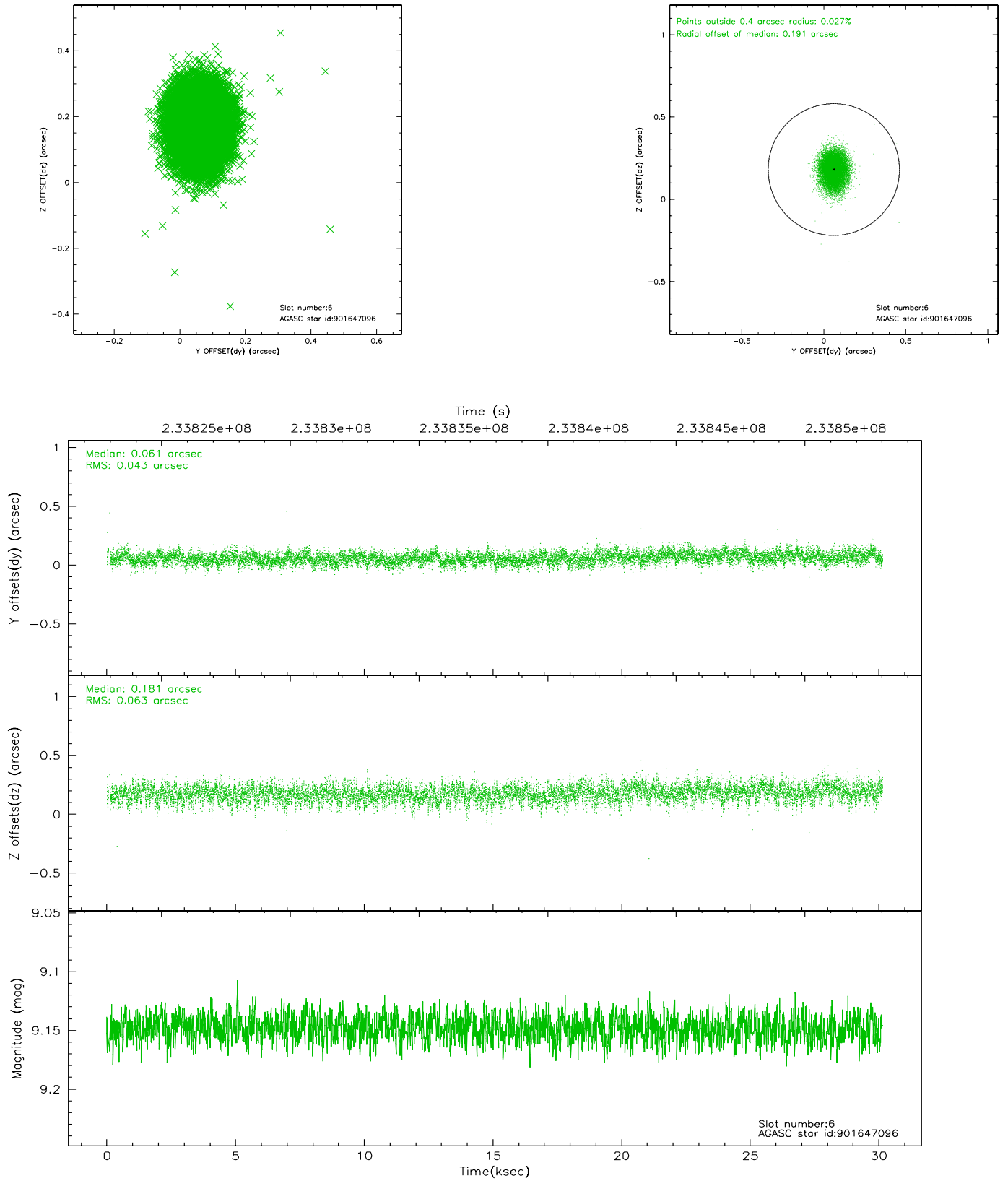
2.4.2 Slot 4



2.4.3 Slot 5

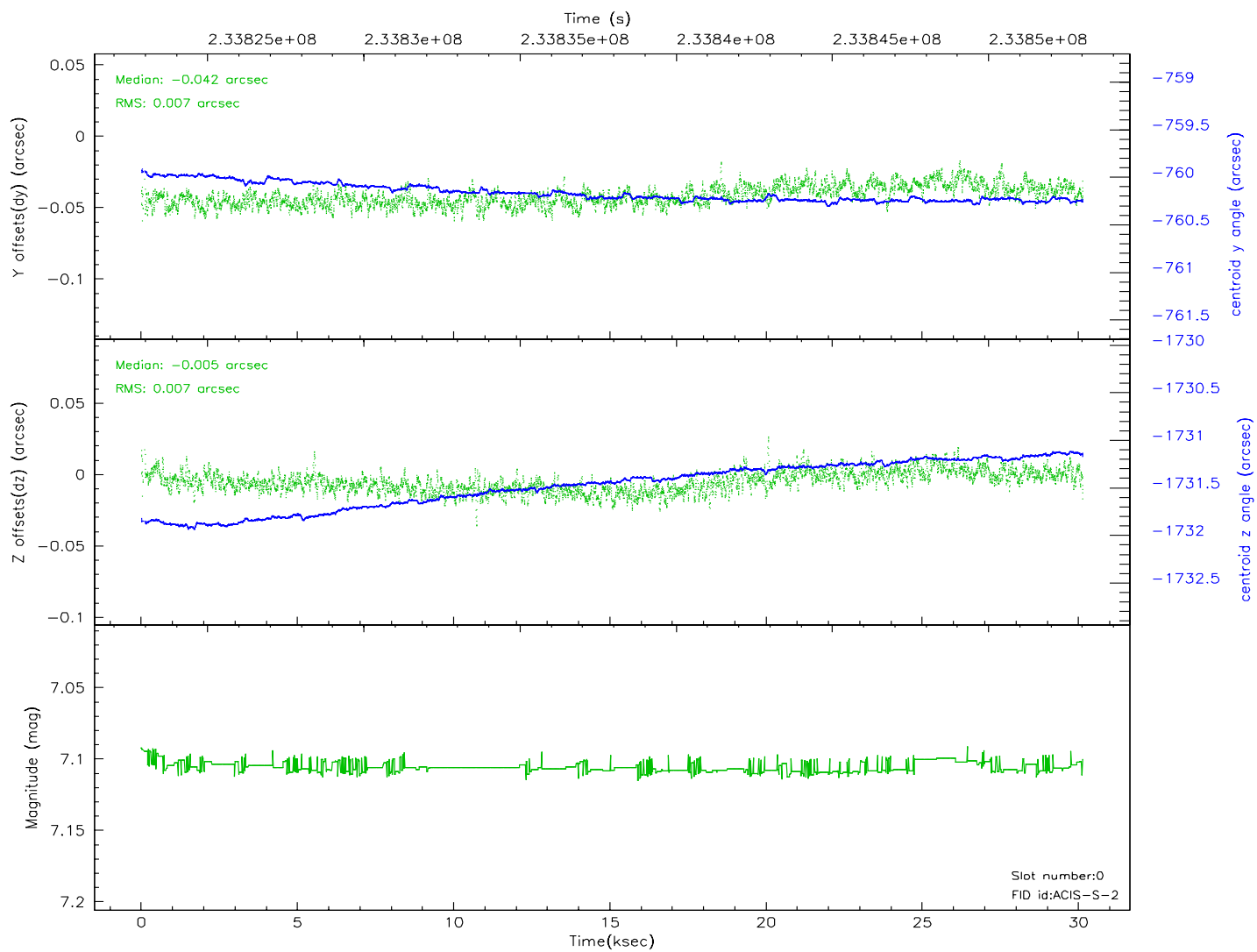
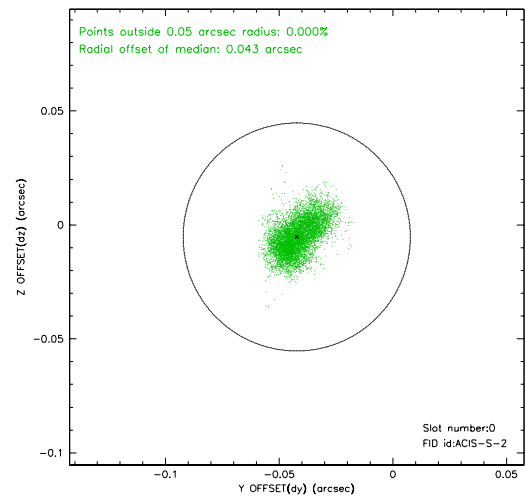
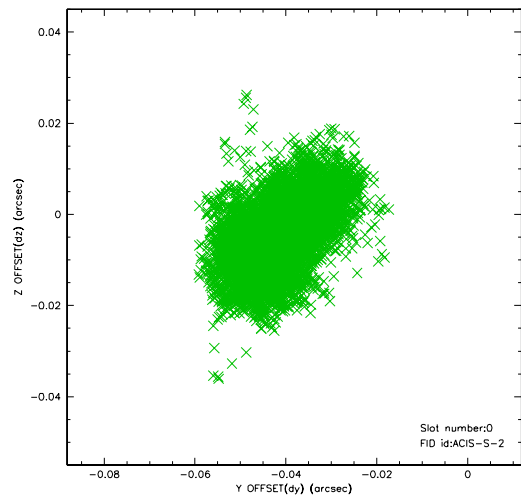


2.4.4 Slot 6

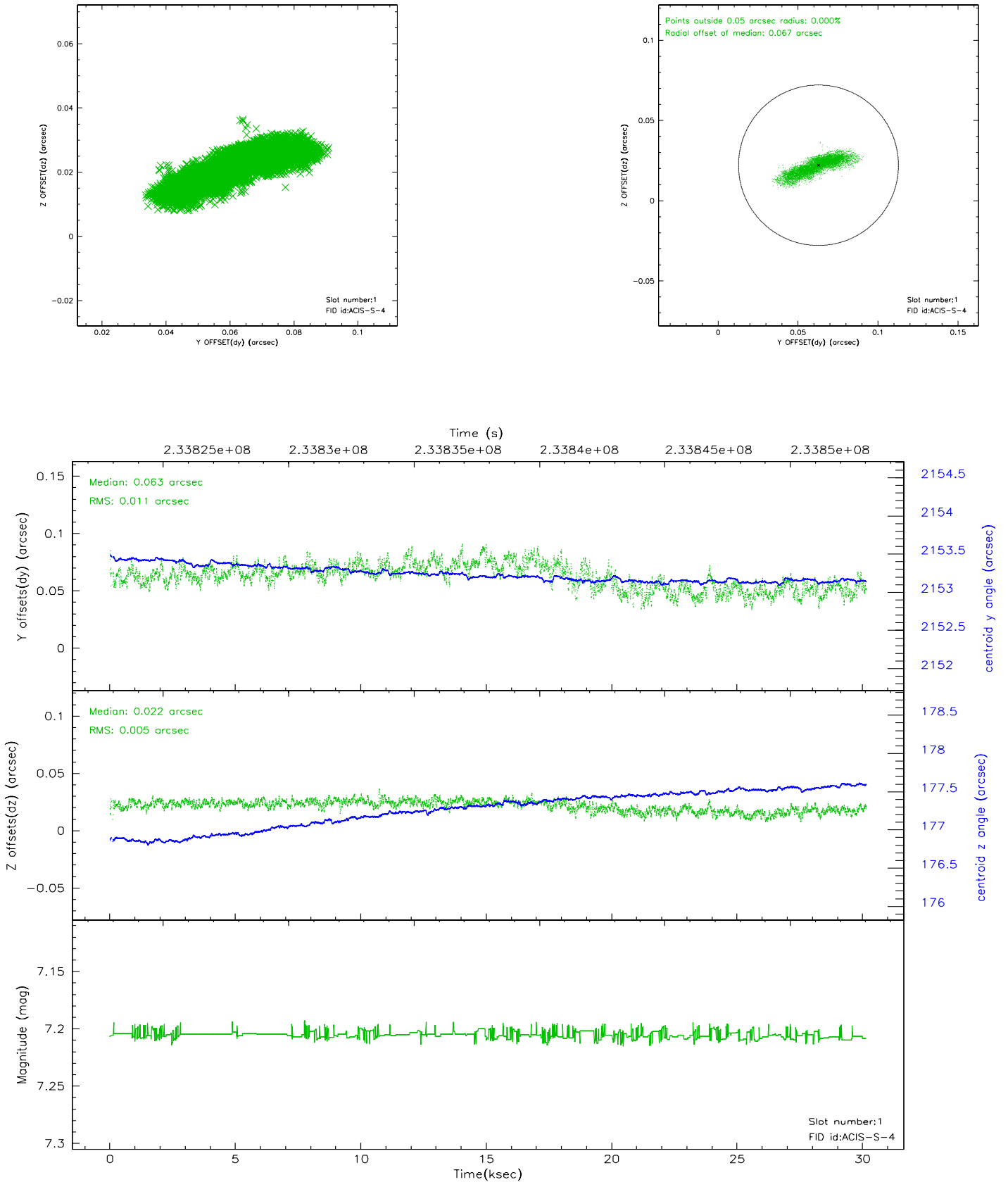


2.5 FID Slots

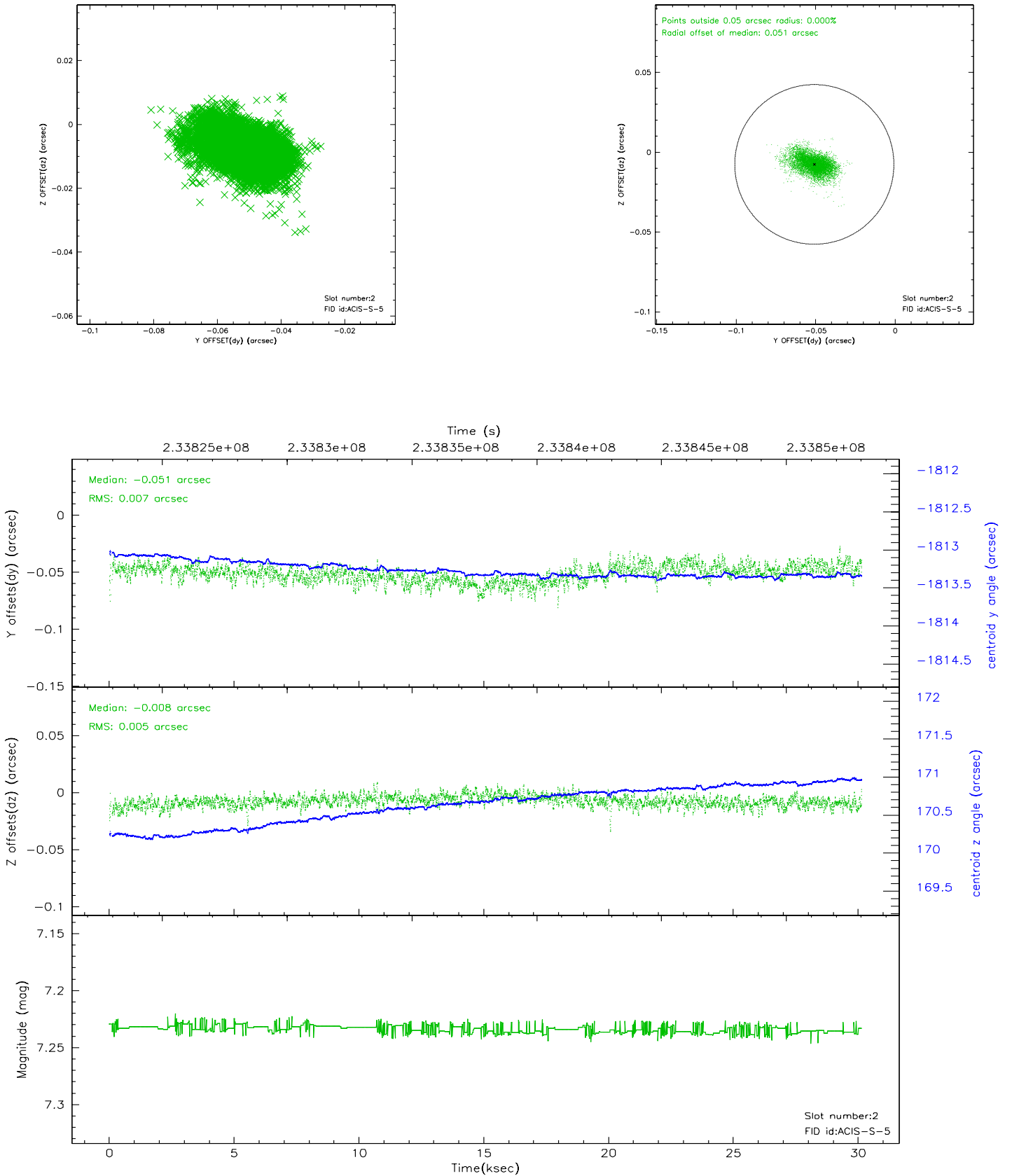
2.5.1 Slot 0



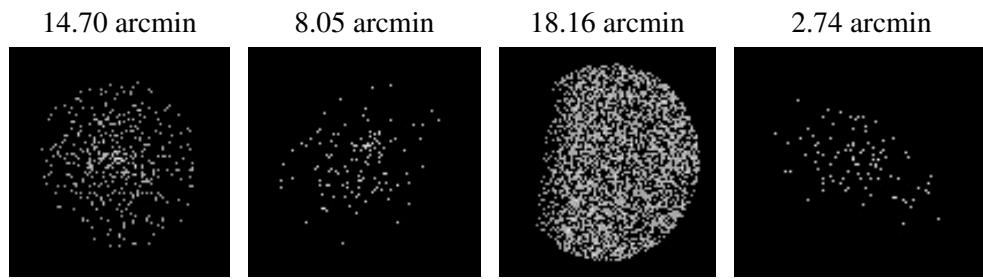
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2006.03.08
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	30.02235

A.2 Comments

Monitor constraint met. Phase constraint not met.