

V&V Reference Report

L2 ASCDS Version : 7.6.7

Observation 5427 - L2 Version 002
Chandra X-Ray Center

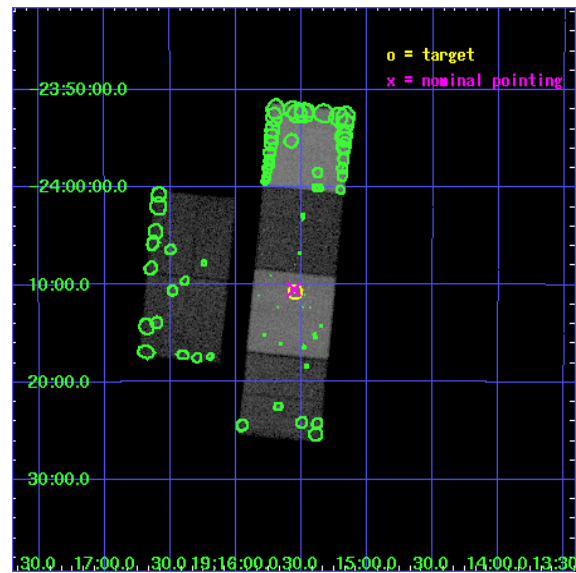
L2 Processing Date: Mar 4 2006

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1 Front

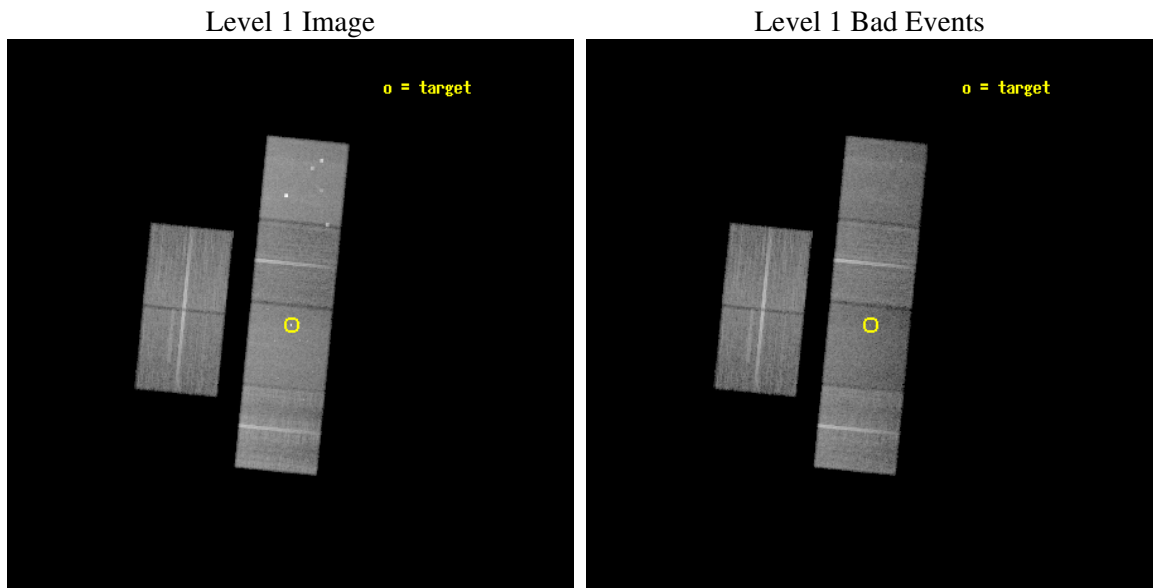
seq_num	200360
obs_id	5427
title	Planet-Induced Activity Enhancements in the HD 179949 System
observer	Dr. Steven Saar
object	HD 179949
dtcycle	0
cycle	P
ra_targ	288.888333
dec_targ	-24.179361
ra_nom	288.88973865721
dec_nom	-24.175194375327
roll_nom	95.657204448335
revision	2
ontime	29958.399888396
livetime	29579.048590227
ontime2	29945.435937285
ontime3	29948.676977366
ontime5	29958.399888396
ontime6	29958.399888396
ontime7	29958.399888396
ontime8	29958.399888396
l2events	260742



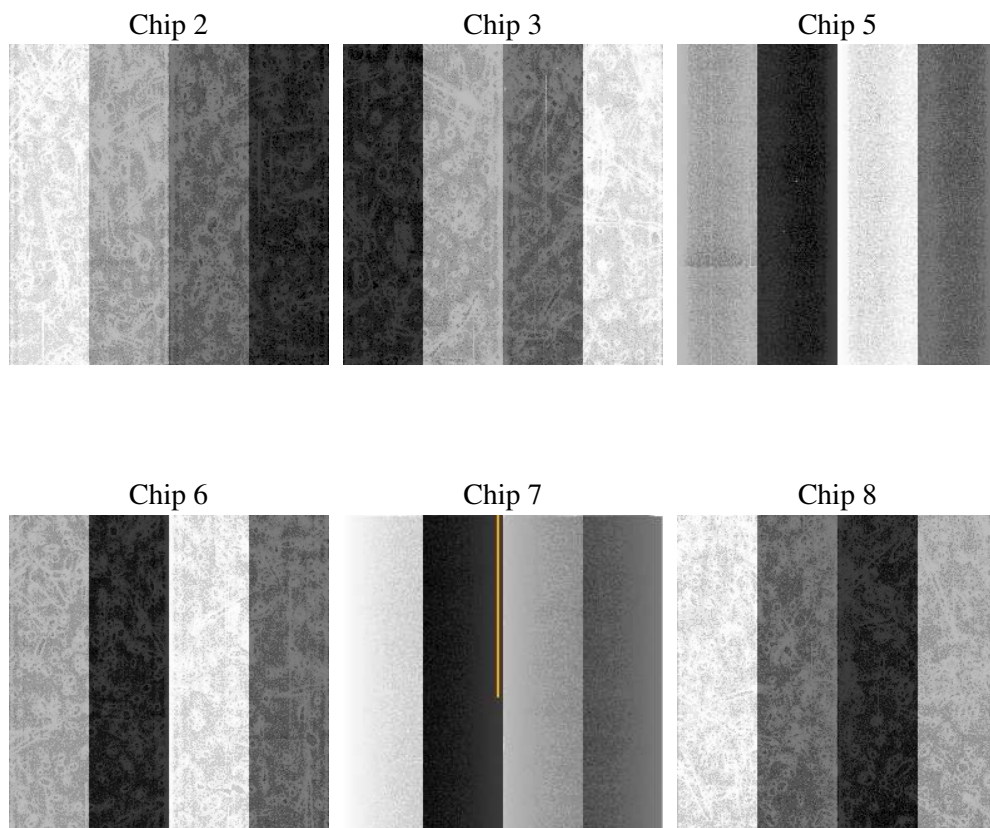
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	2
ascdsver	7.6.7
caldsver	3.2.1
date	2006-03-04T05:03:25
revision	2

sched_exp_time	30000.000000
ontime	29963.146666139
ontime2	29950.182715029
ontime3	29953.423755109
ontime5	29963.146666139
ontime6	29963.146666139
ontime7	29963.146666139
ontime8	29963.146666139
l1events	1198536

2.1.4 Events

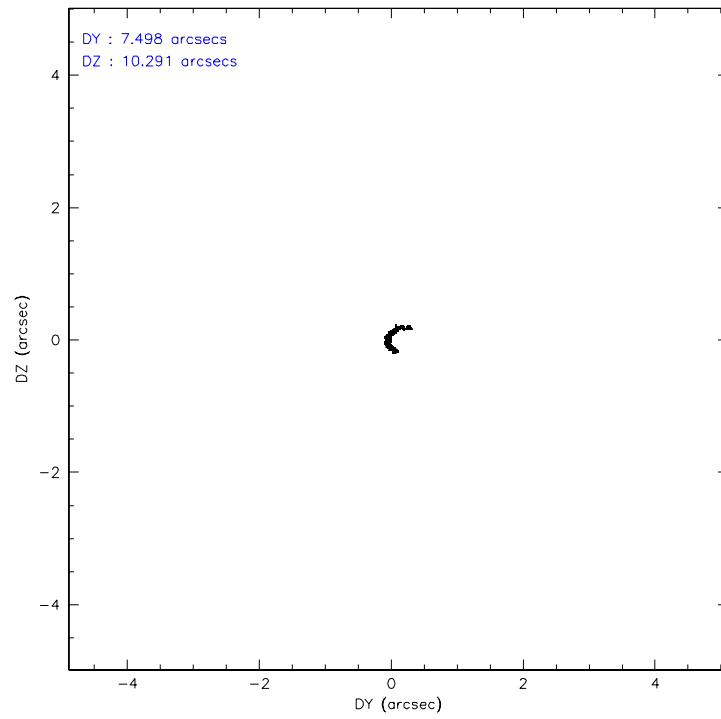
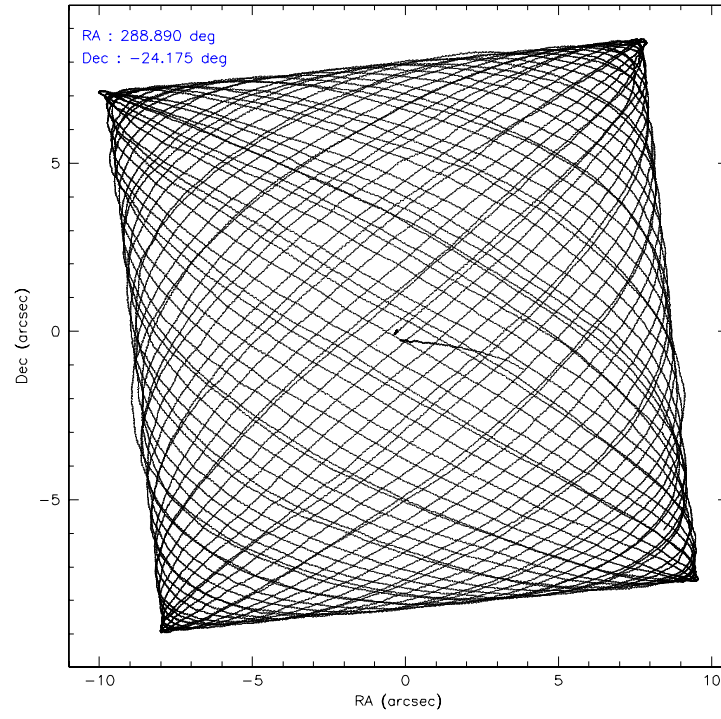
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	189787	166560	245913	172013	201436	222827
rejected events	171863	149381	124417	152636	113981	169725
rejected %	90%	89%	50%	88%	56%	76%

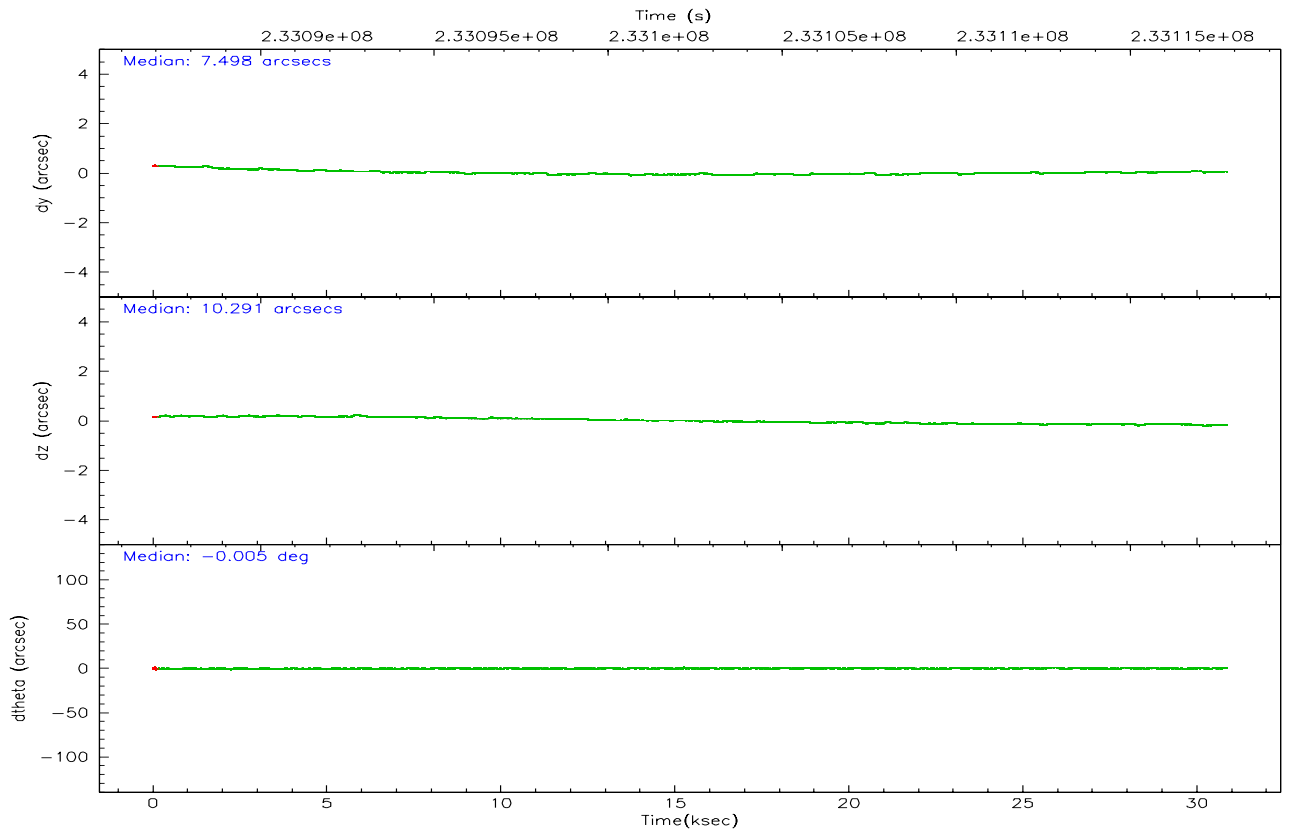
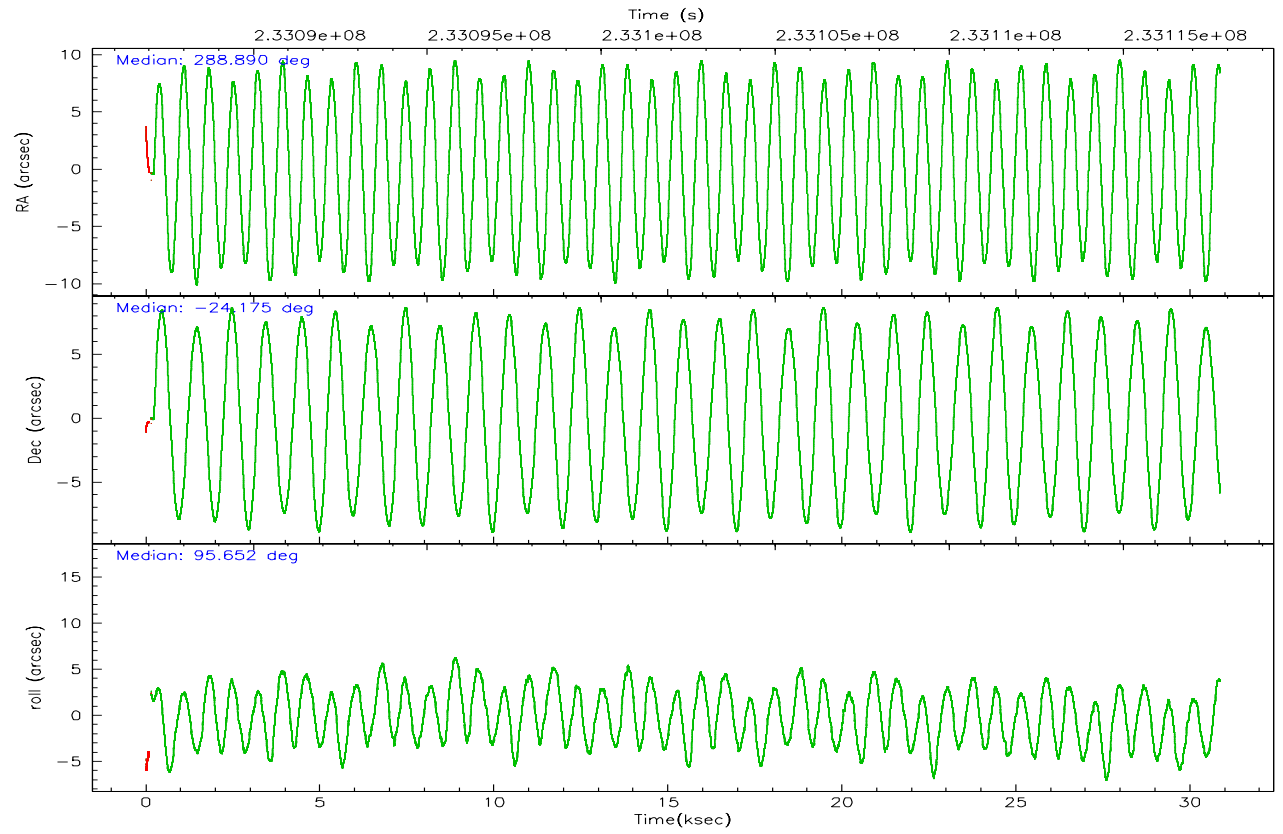
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	6728	6612	14434	7357	6612	16889
	3%	3%	5%	4%	3%	7%
grade 1 events	94	105	267	78	125	168
	0%	0%	0%	0%	0%	0%
grade 2 events	4090	3584	36205	3910	21780	11564
	2%	2%	14%	2%	10%	5%
grade 3 events	1906	1920	3206	2087	5071	5983
	1%	1%	1%	1%	2%	2%
grade 4 events	1968	1835	2851	2042	5033	5538
	1%	1%	1%	1%	2%	2%
grade 5 events	6066	7036	12860	7141	15001	10269
	3%	4%	5%	4%	7%	4%
grade 6 events	3240	3230	64812	3983	48971	13133
	1%	1%	26%	2%	24%	5%
grade 7 events	165695	142238	111278	145415	98843	159283
	87%	85%	45%	84%	49%	71%

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	288.907458	288.8897386572145	Alternating exposures requested	N	N
Pointing Dec	-24.197101	-24.17519437532725	Primary exposure time	0.000000	3.2
Pointing Roll	95.507835	95.65720444833458			
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	0.740000	0.740000			
Phase end	0.860000	0.860000			
Phase start error	0.030000	0.030000			
Phase end error	0.030000	0.030000			
Observation start time	233087786.184000	233086425.13829			
Observation start date	2005-05-21T18:35:22	2005-05-21T18:13:45			
Observation end time	233117786.184000	233119236.92729			
Observation end date	2005-05-22T02:55:22	2005-05-22T03:20:36			
Read mode	TIMED	TIMED			

2.3 Aspect



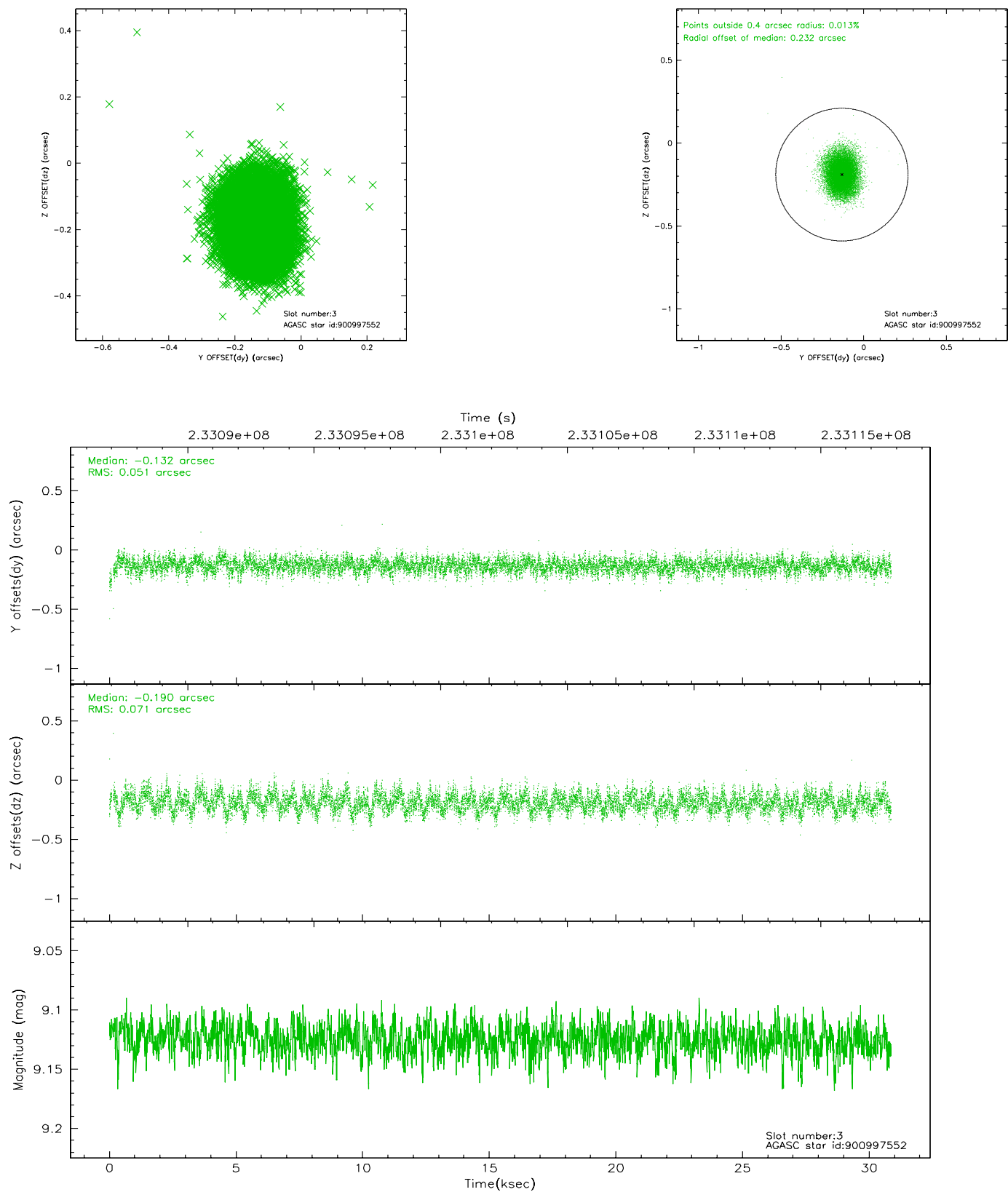


Slot Statistics

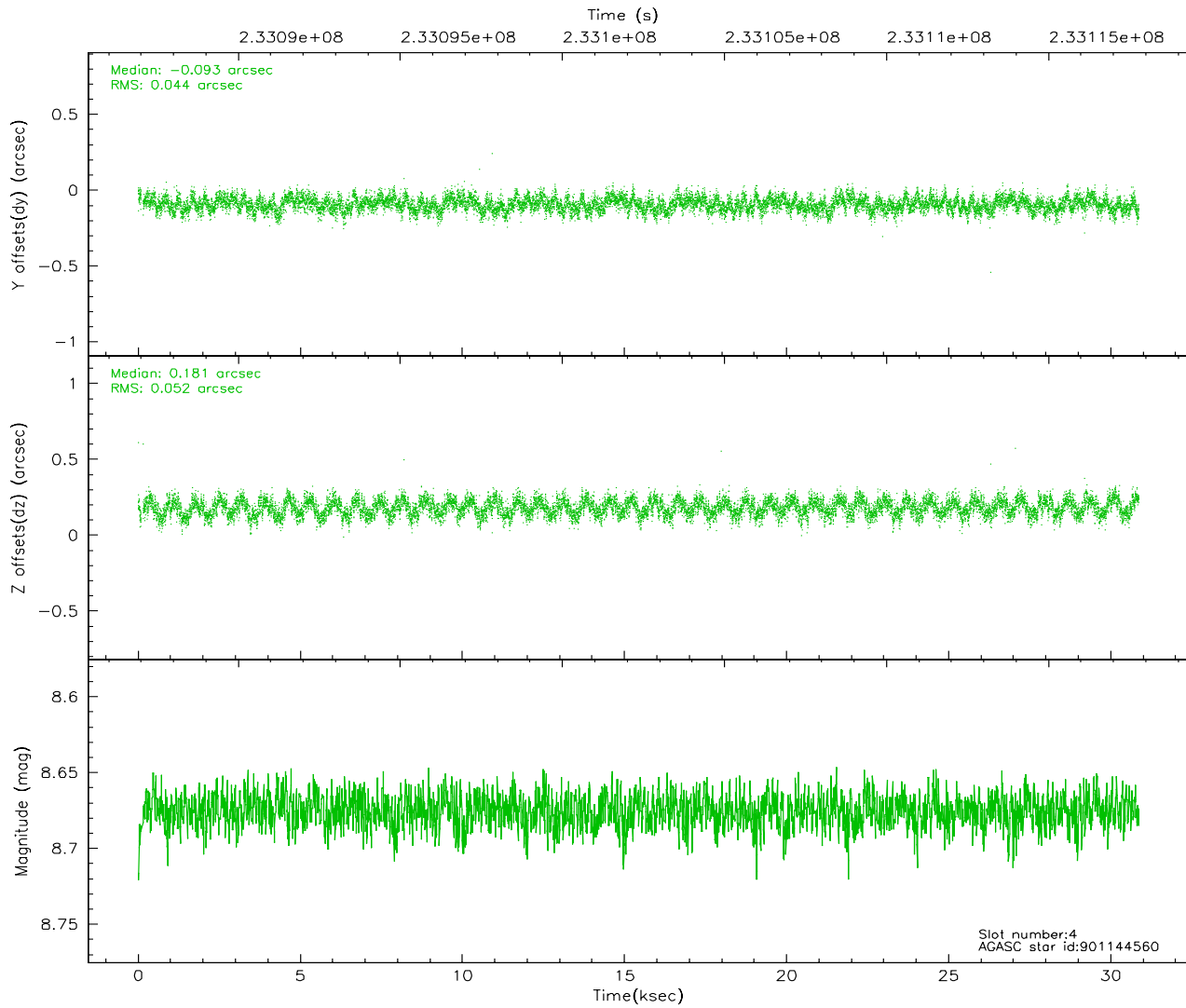
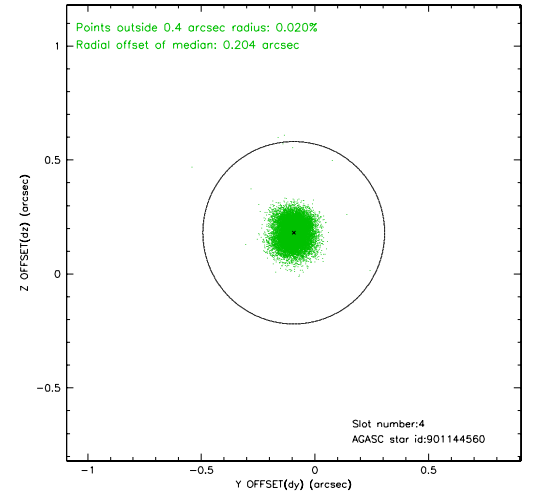
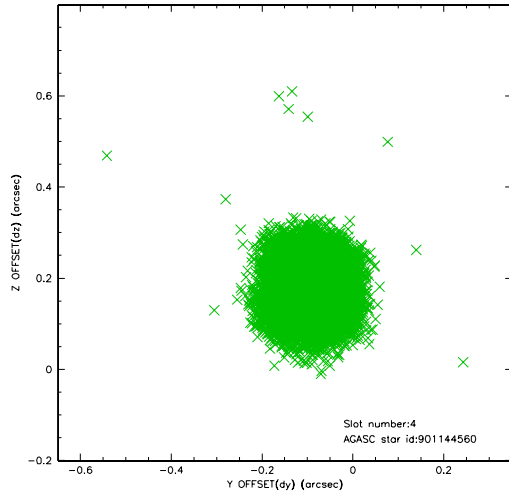
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7514	-0.034	0.010	0.008	0.013	0.000000	0.000000	-760.28	-1731.56
1	FID	ACIS-S-4	7.21	7512	0.054	0.014	0.006	0.011	0.000000	0.000000	2153.01	176.92
2	FID	ACIS-S-5	7.23	7514	-0.051	-0.015	0.007	0.013	0.000000	0.000000	-1813.10	170.55
3	GUIDE	900997552	9.12	15019	-0.132	-0.190	0.093	0.152	288.312519	-24.029579	783.79	1889.73
4	GUIDE	901144560	8.68	15024	-0.093	0.181	0.074	0.115	289.333664	-23.842375	1134.54	-1518.70
5	GUIDE	901514880	8.92	15027	0.117	-0.196	0.064	0.105	288.396412	-24.524459	-1015.38	1779.22
6	GUIDE	901647096	9.15	15023	0.110	0.210	0.089	0.143	289.707413	-24.700499	-2062.20	-2429.34
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

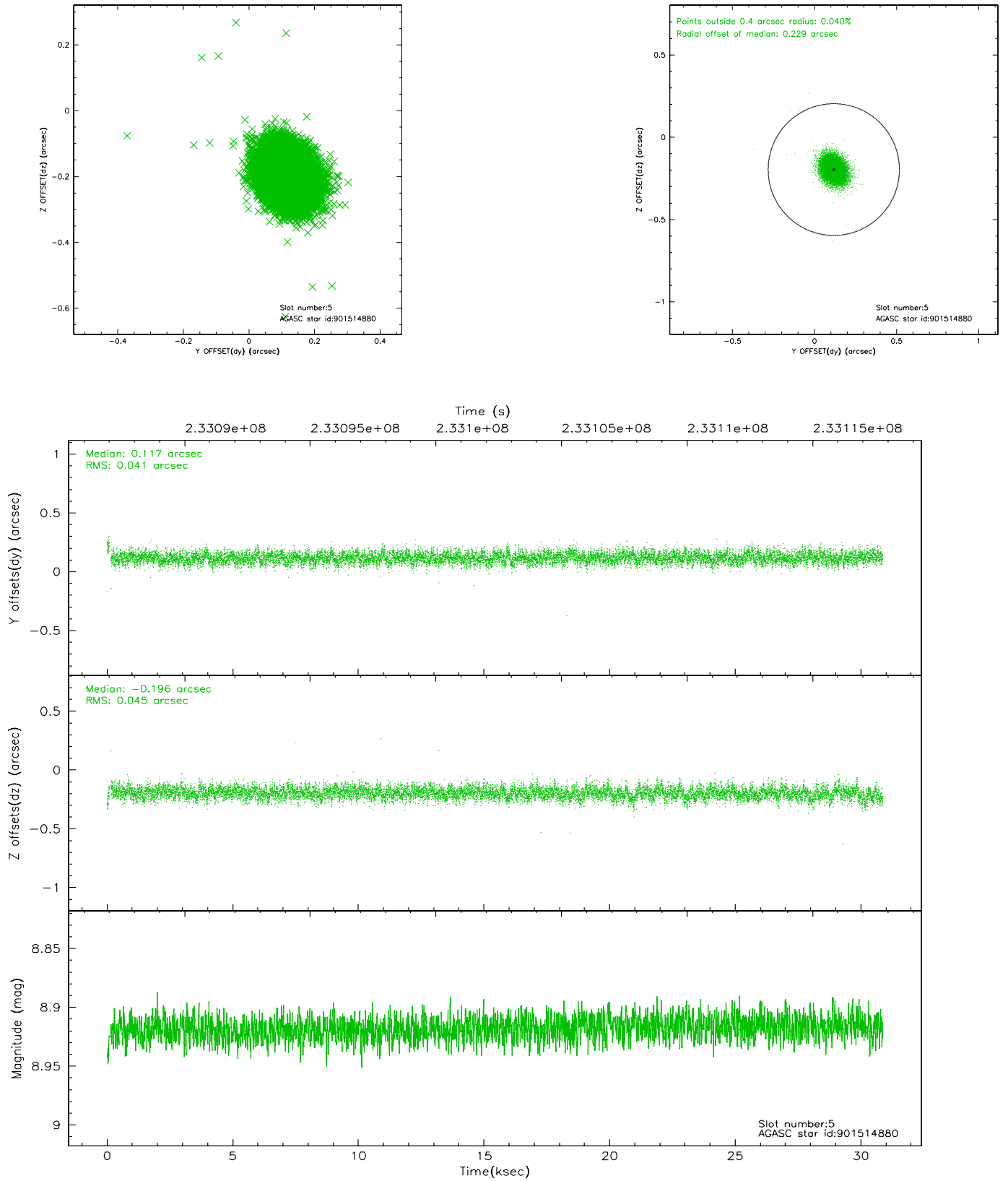
2.4.1 Slot 3



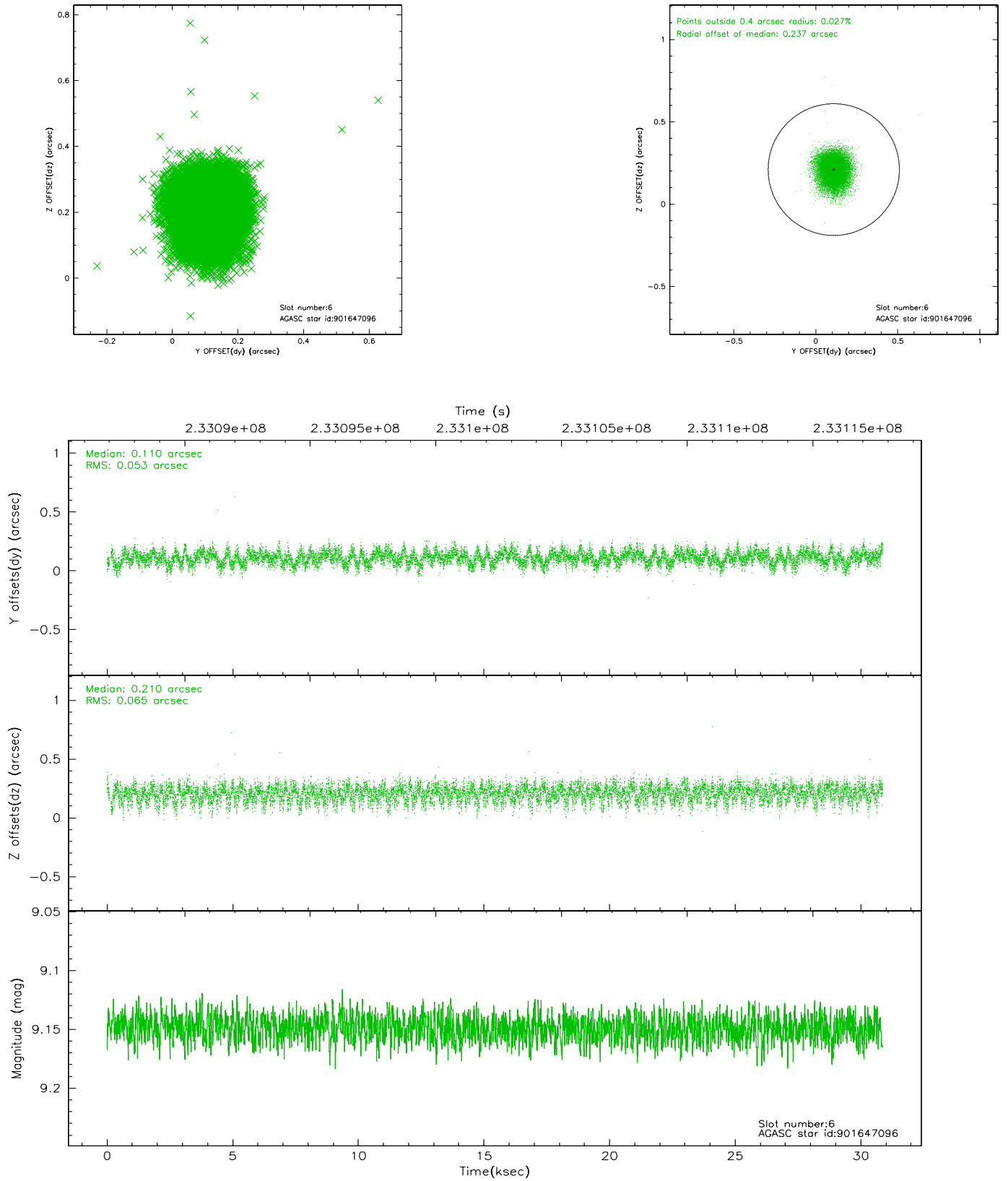
2.4.2 Slot 4



2.4.3 Slot 5

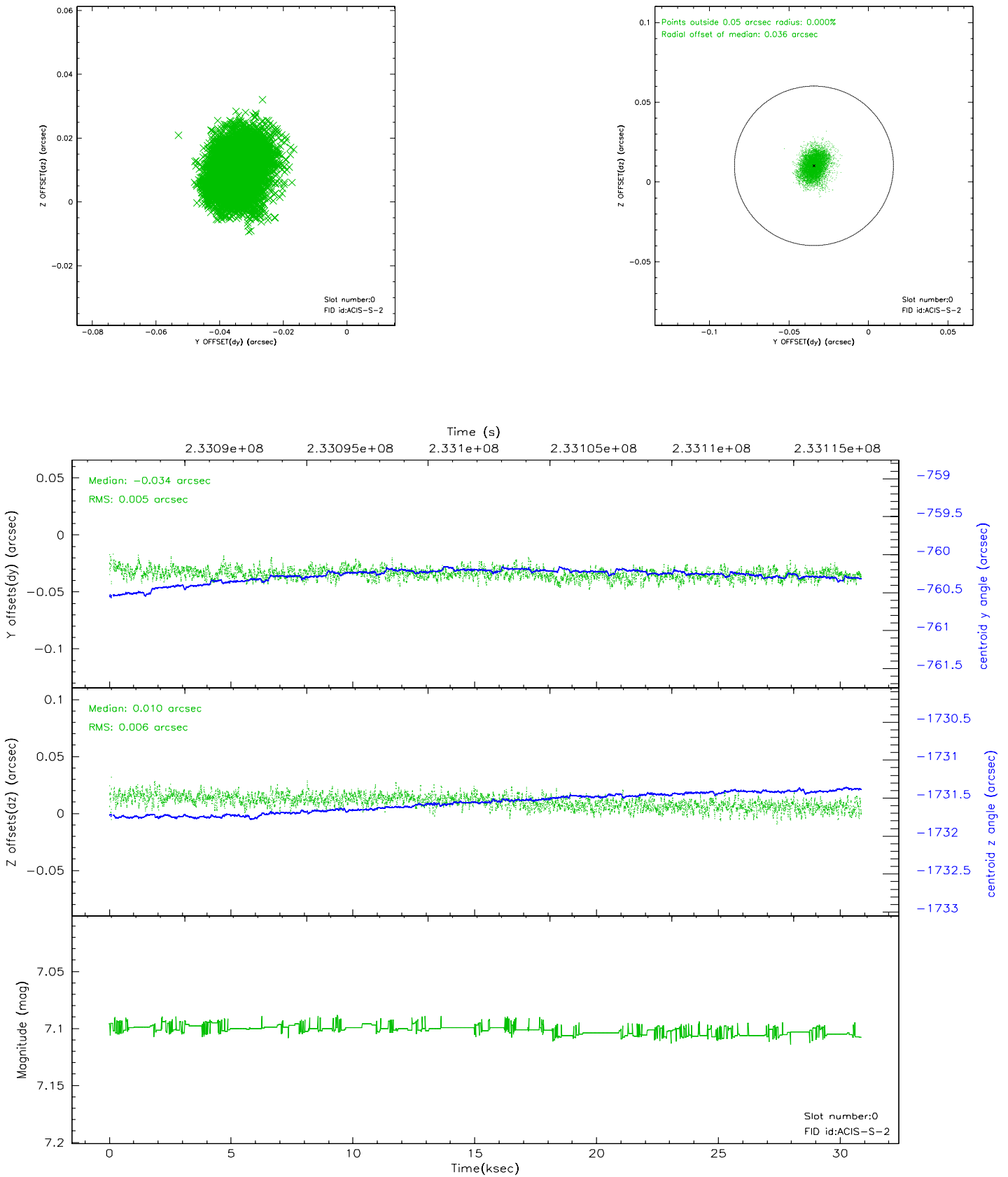


2.4.4 Slot 6

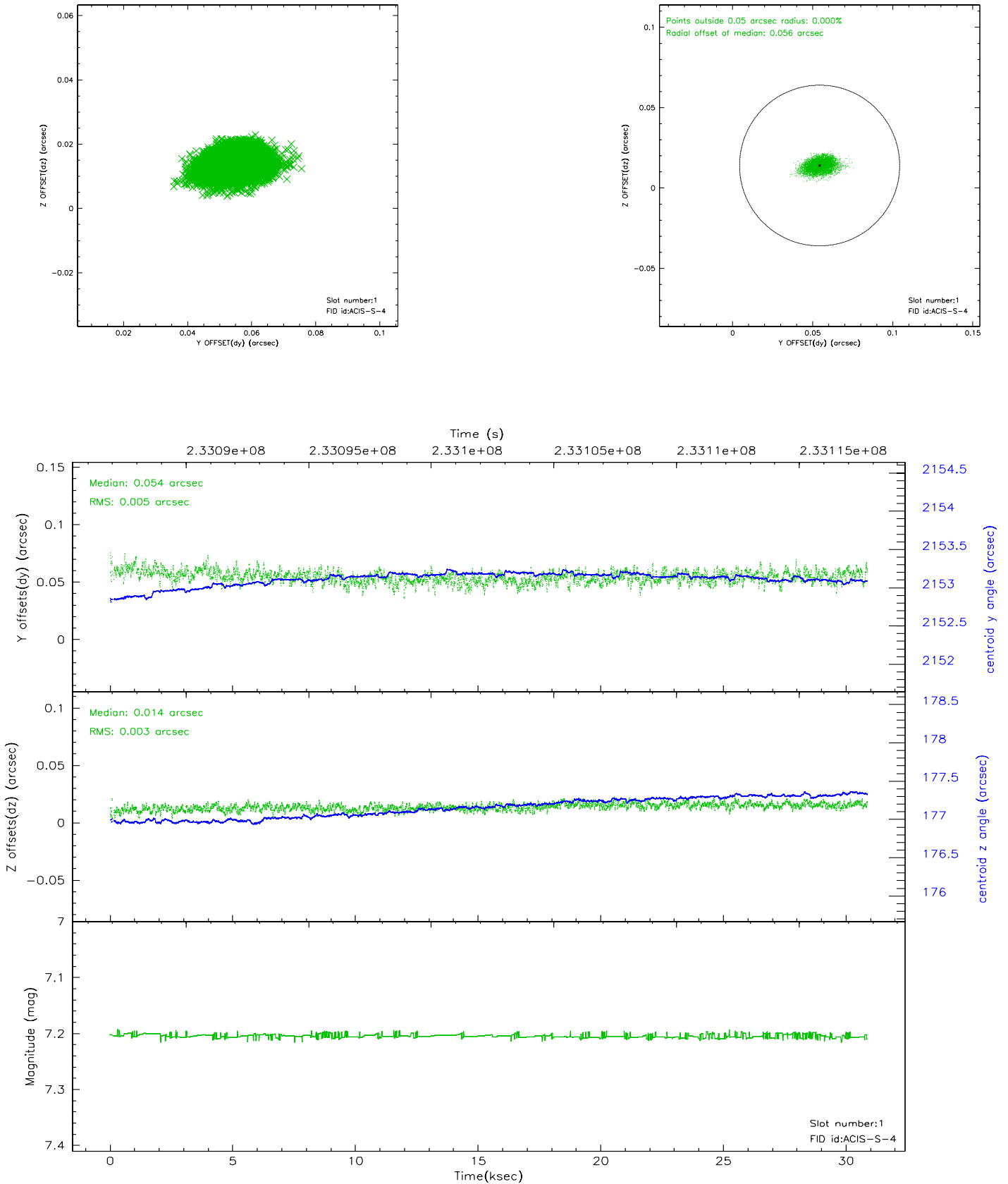


2.5 FID Slots

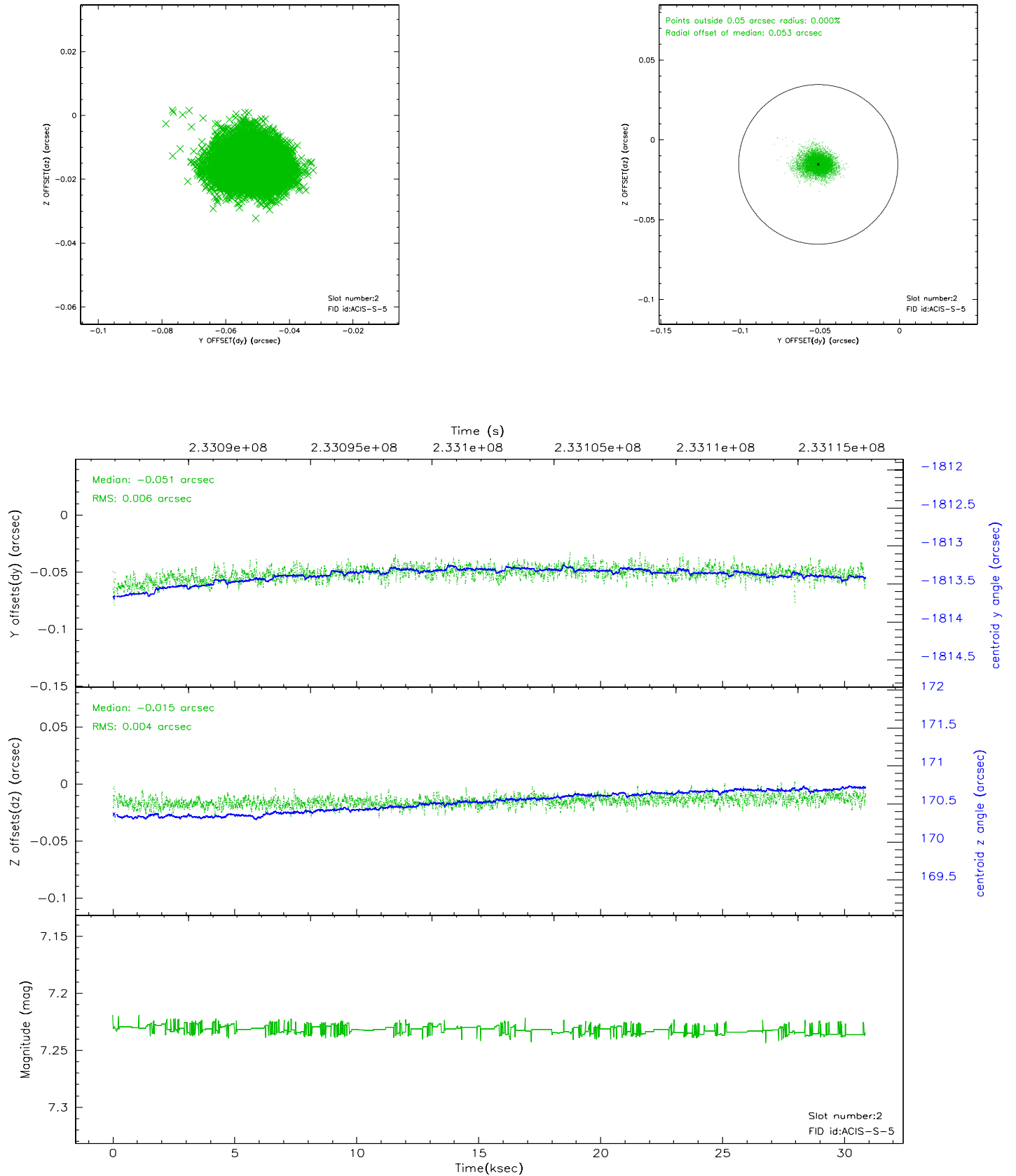
2.5.1 Slot 0



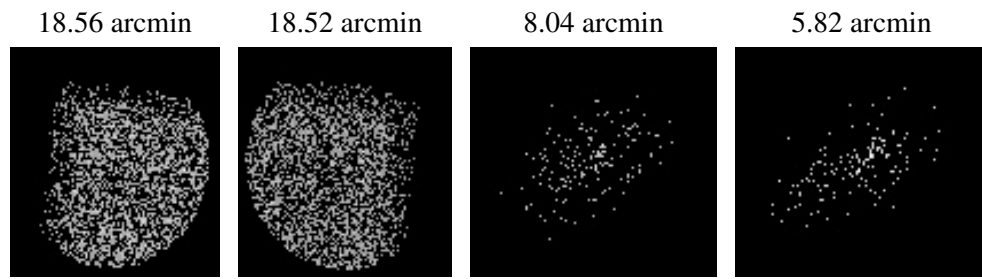
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.03.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.95839

A.2 Comments