

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 4200 - L2 Version 001
Chandra X-Ray Center

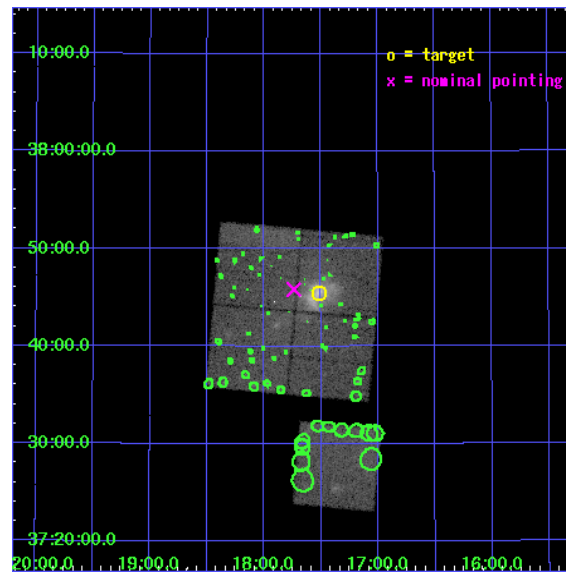
L2 Processing Date : Oct 19 2006

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1 Front

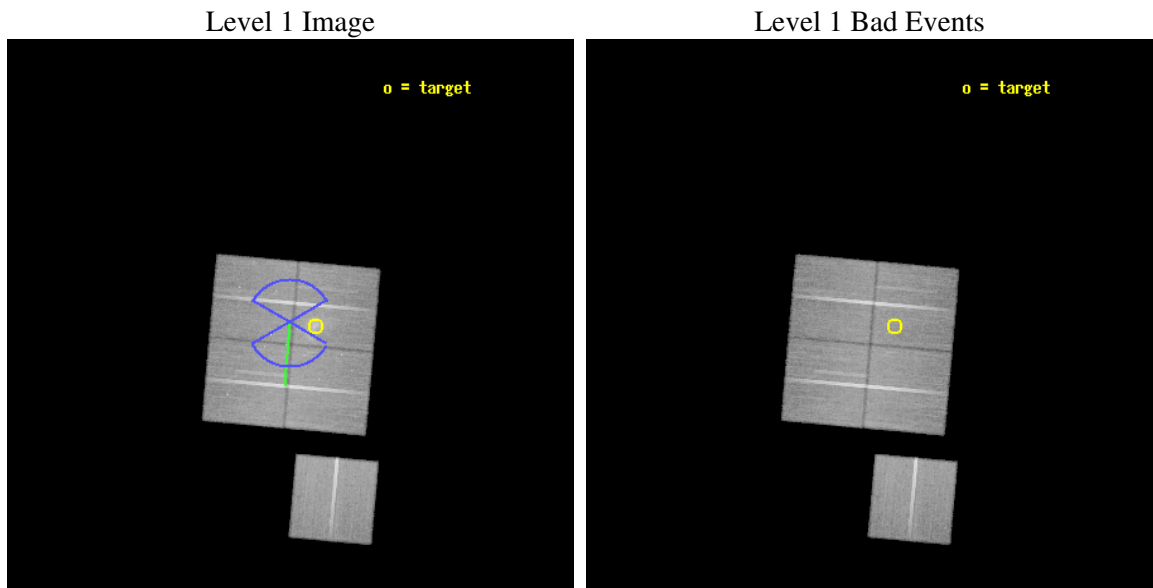
seq_num	800356
obs_id	4200
title	THE ASSEMBLY OF A GIANT GALAXY CLUSTER AT Z=0.545
observer	Dr Harald Ebeling
object	MACSJ0717.5+3745
dtcycle	0
cycle	P
ra_targ	109.379167
dec_targ	37.758333
ra_nom	109.43451613298
dec_nom	37.763956367074
roll_nom	185.17479770479
revision	2
ontime	59951.867029667
livetime	59168.551751002
ontime0	59951.867029667
ontime1	59955.00797984
ontime2	59967.571970612
ontime3	59951.867109388
ontime6	59945.585049242
l2events	164156



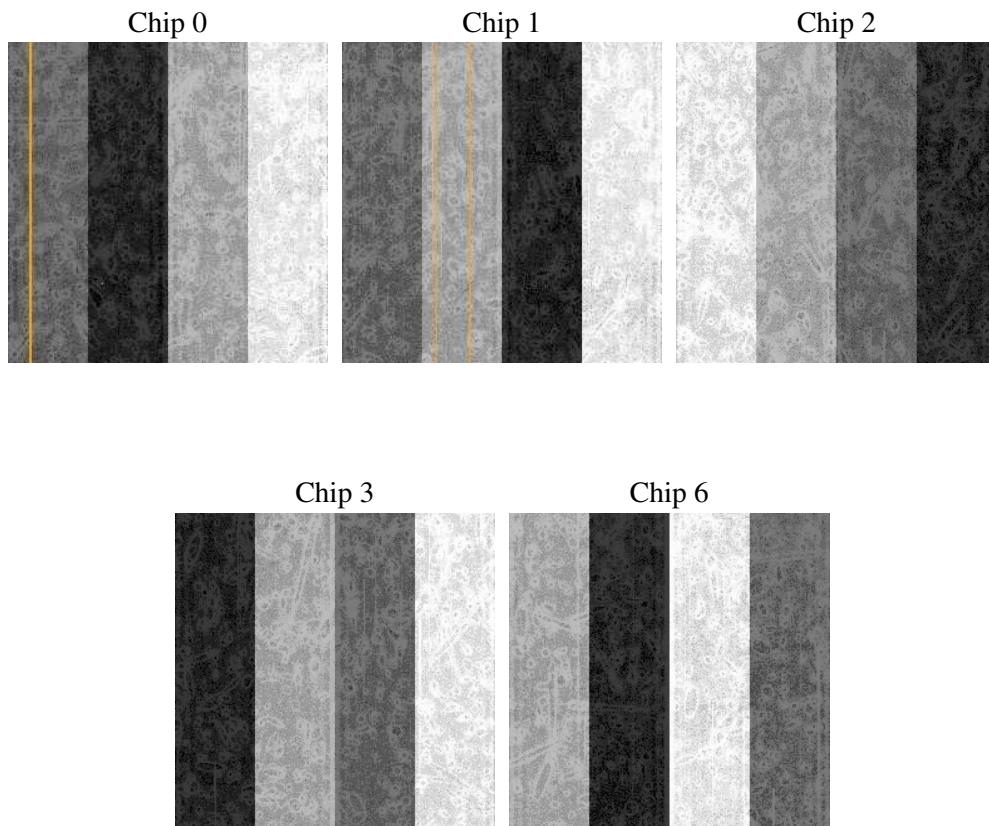
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.9
caldbver	3.2.3
date	2006-10-19T02:00:15
revision	2

sched_exp_time	60000.000000
ontime	59961.879979402
ontime0	59961.879979402
ontime1	59965.020929575
ontime2	59977.584920347
ontime3	59961.880059123
ontime6	59955.597998977
l1events	1636097

2.1.4 Events

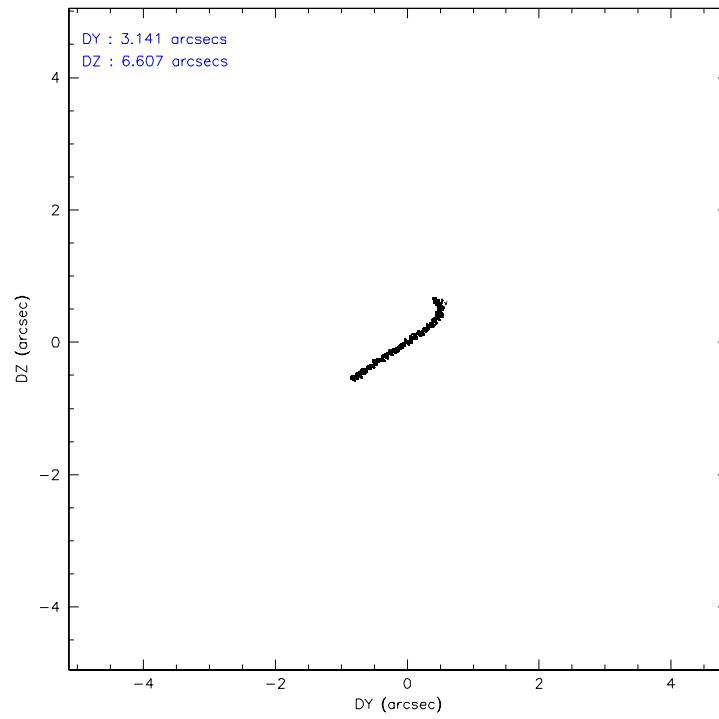
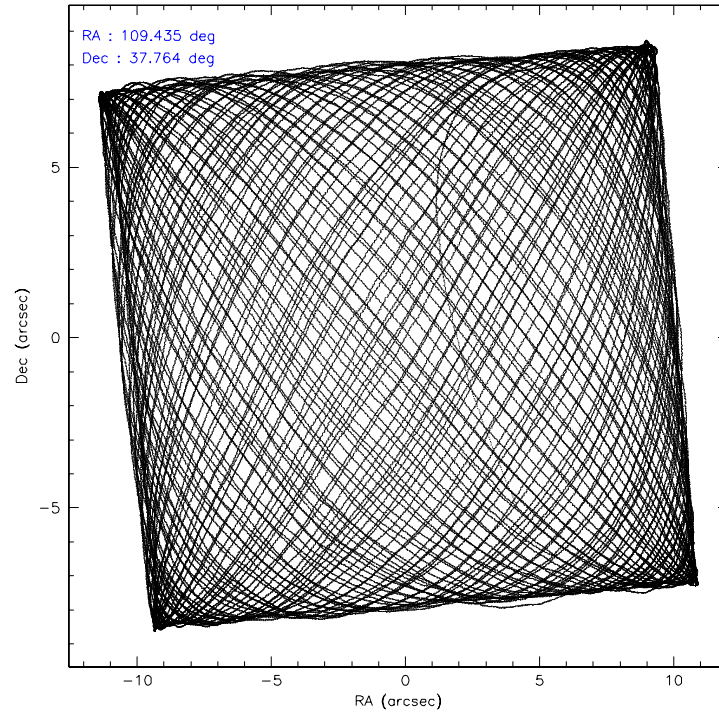
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	323105	306080	341944	334872	330096
rejected events	267631	268099	308730	302252	296515
rejected %	82%	87%	90%	90%	89%

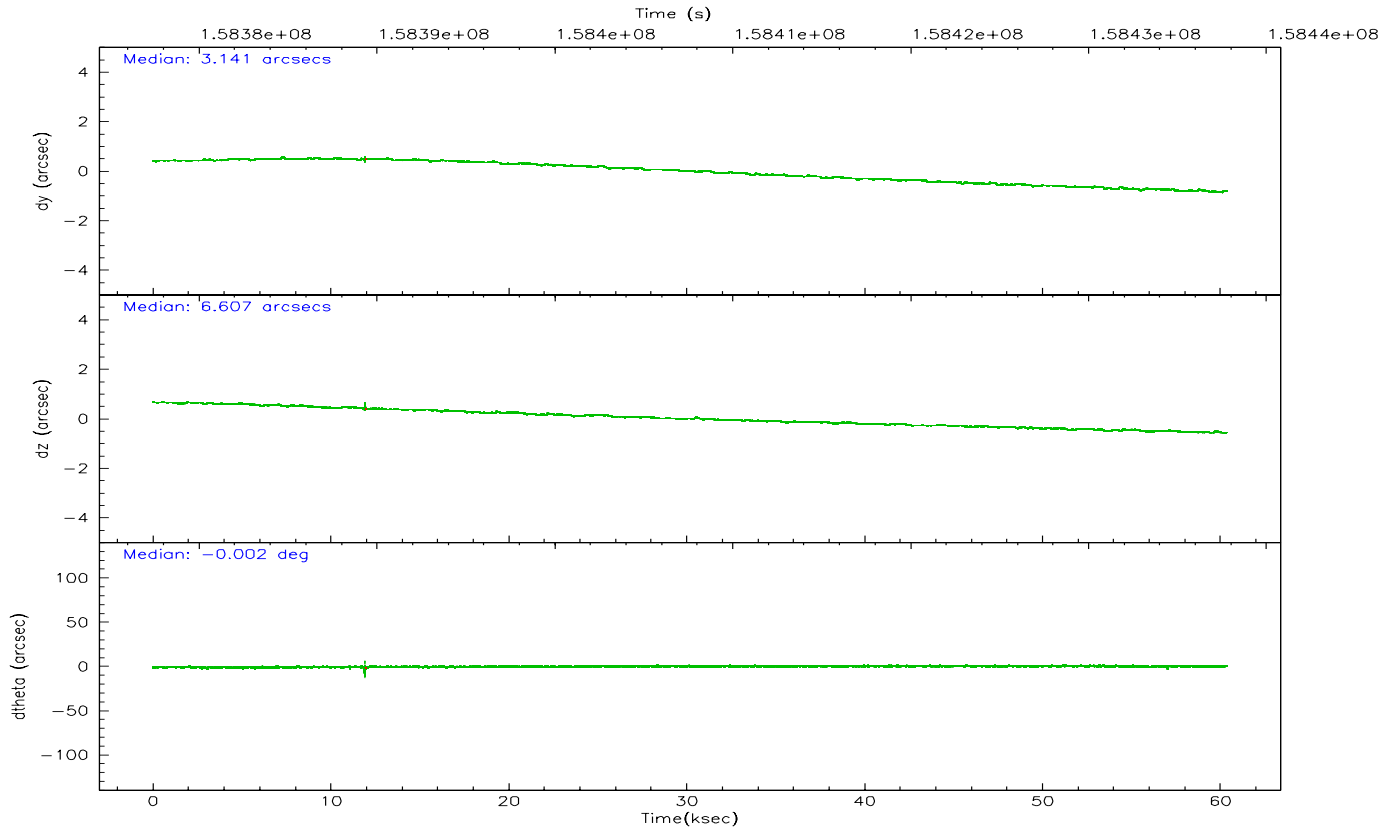
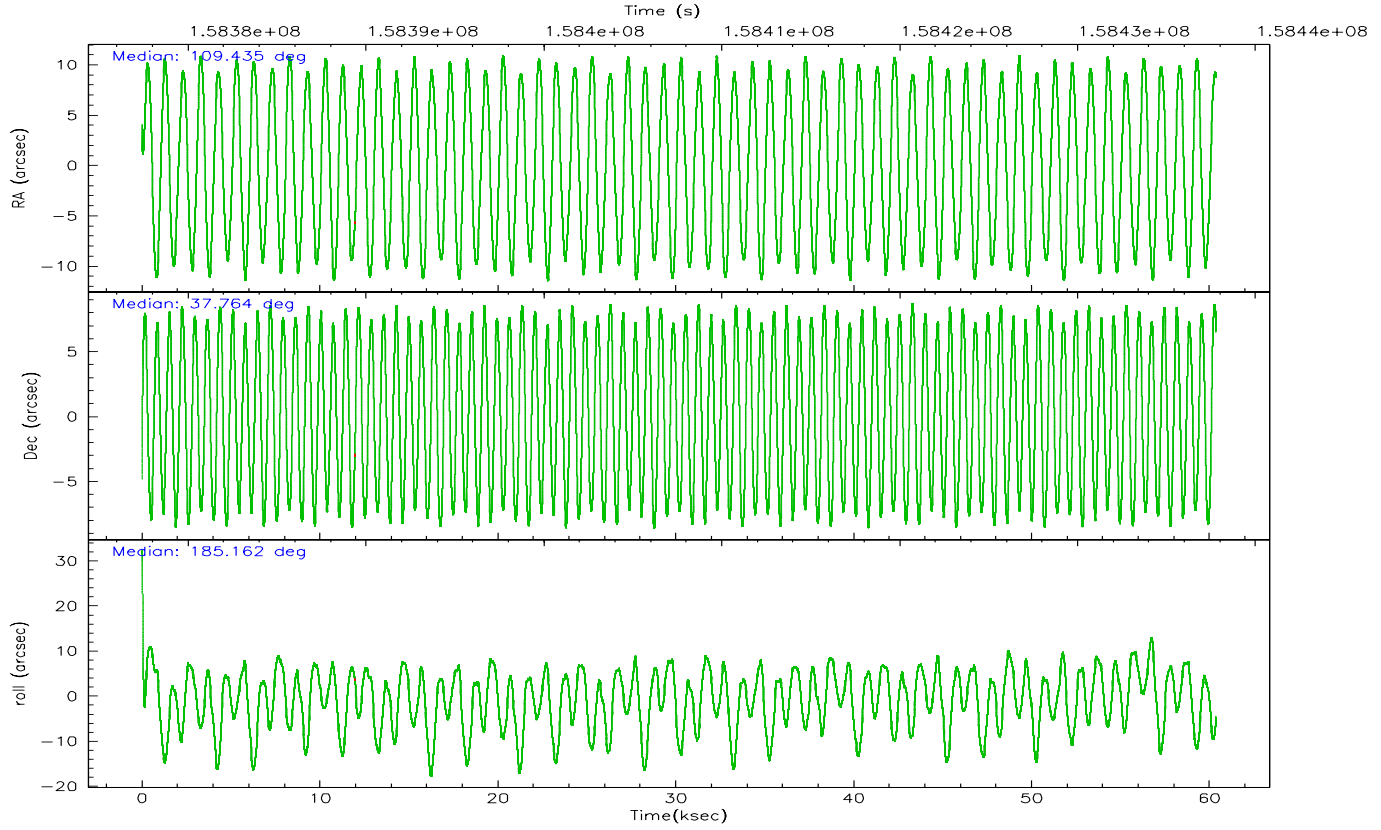
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	30081	15016	13098	12709	12262
	9%	4%	3%	3%	3%
grade 1 events	241	159	169	168	138
	0%	0%	0%	0%	0%
grade 2 events	9518	7704	7199	6670	6969
	2%	2%	2%	1%	2%
grade 3 events	4793	4274	3565	3647	3712
	1%	1%	1%	1%	1%
grade 4 events	4298	4023	3606	3634	3812
	1%	1%	1%	1%	1%
grade 5 events	10721	11726	10435	12501	12423
	3%	3%	3%	3%	3%
grade 6 events	6789	6966	5747	5966	6831
	2%	2%	1%	1%	2%
grade 7 events	256664	256212	298125	289577	283949
	79%	83%	87%	86%	86%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-01236	ACIS-01236	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	VFAINT	VFAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	109.462727	109.4345161329845	Subarray requested	NONE	NONE
Pointing Dec	37.779805	37.76395636707432	Alternating exposures requested	N	N
Pointing Roll	184.948827	185.1747977047867	Primary exposure time	0.000000	3.1
Roll angle	180.000000	180.000000			
Roll tolerance	60.000000	60.000000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.782348	-0.7809083437167272			
SIM defocus (mm)	0	0.001439871863259334			
SIM translation stage pos (mm)	-241.792463	-241.7941596051205			
SIM translation stage offset (mm)	8.199999999999999	8.201706602190853			
Observation start time	158377789.184000	158376724.63029			
Observation start date	2003-01-08T01:48:45	2003-01-08T01:32:04			
Observation end time	158437789.184000	158438415.79537			
Observation end date	2003-01-08T18:28:45	2003-01-08T18:40:15			
Read mode	TIMED	TIMED			

2.3 Aspect



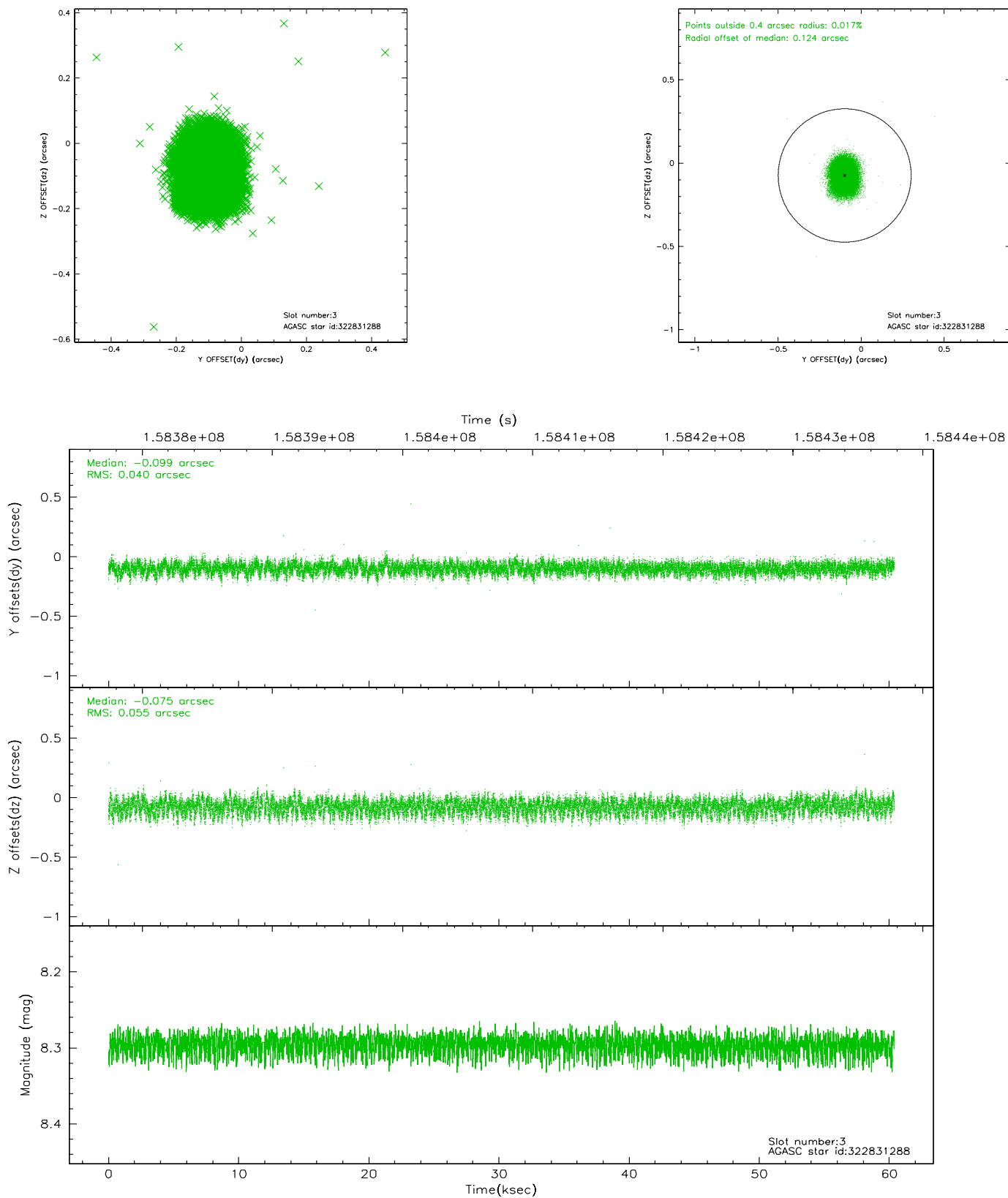


Slot Statistics

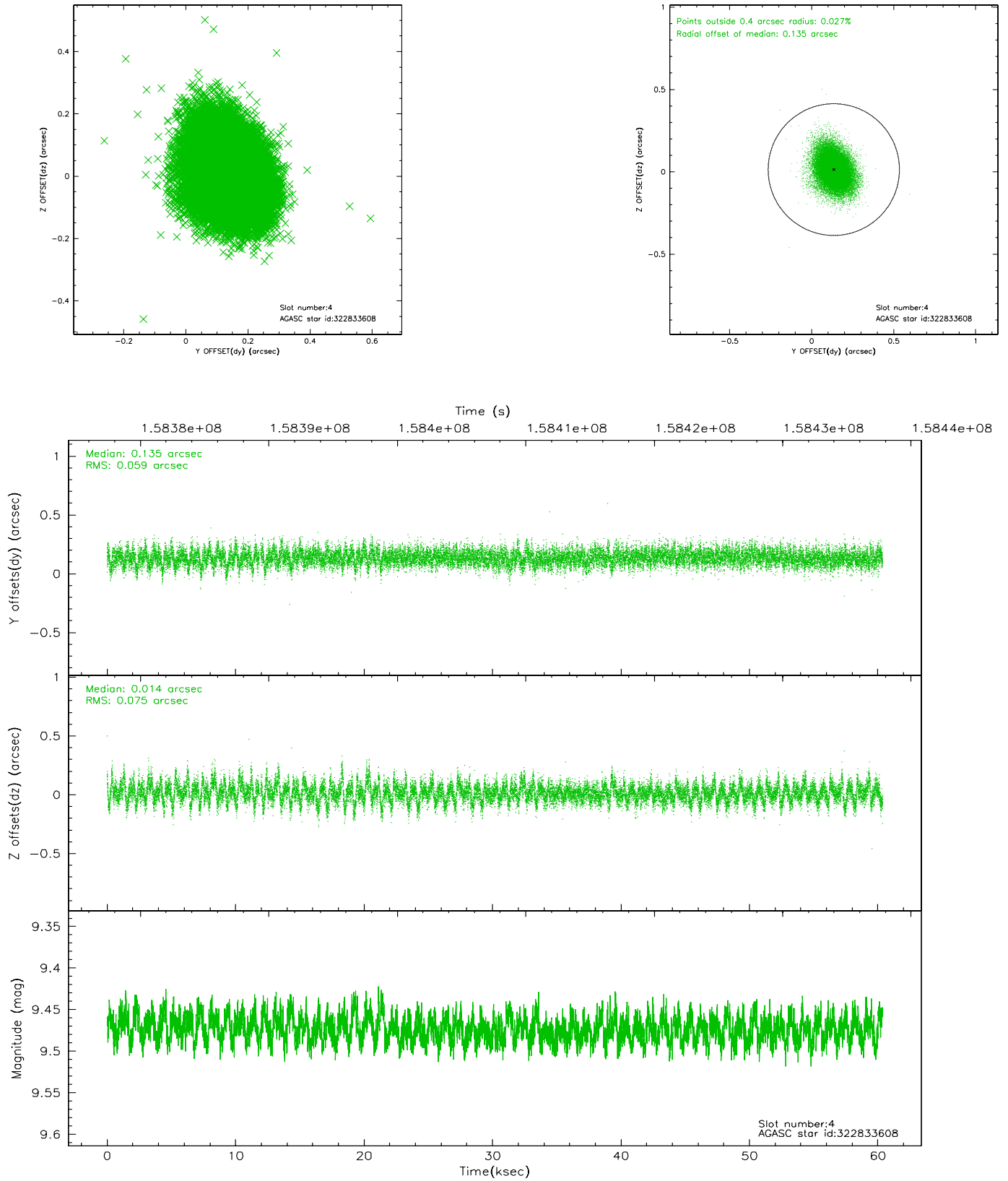
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.29	14669	-0.052	0.079	0.012	0.019	0.000000	0.000000	936.80	-661.35
1	FID	ACIS-I-5	7.24	14636	-0.030	0.014	0.012	0.019	0.000000	0.000000	-1811.32	1236.09
2	FID	ACIS-I-6	7.24	14652	-0.010	-0.022	0.015	0.028	0.000000	0.000000	402.42	1880.51
3	GUIDE	322831288	8.30	29315	-0.099	-0.075	0.073	0.117	109.203187	37.248139	905.77	1841.93
4	GUIDE	322833608	9.47	29338	0.135	0.014	0.099	0.170	109.901423	37.457902	-1149.15	1259.68
5	GUIDE	385879840	7.83	29331	-0.021	-0.030	0.060	0.099	109.502710	38.364188	-293.27	-2086.15
6	GUIDE	322831016	9.66	29091	-0.011	0.025	0.128	0.216	109.551352	37.195307	-71.96	2118.16
7	GUIDE	385879504	9.57	29285	-0.004	0.060	0.083	0.138	108.887817	38.157725	1504.19	-1500.25

2.4 Star Slots

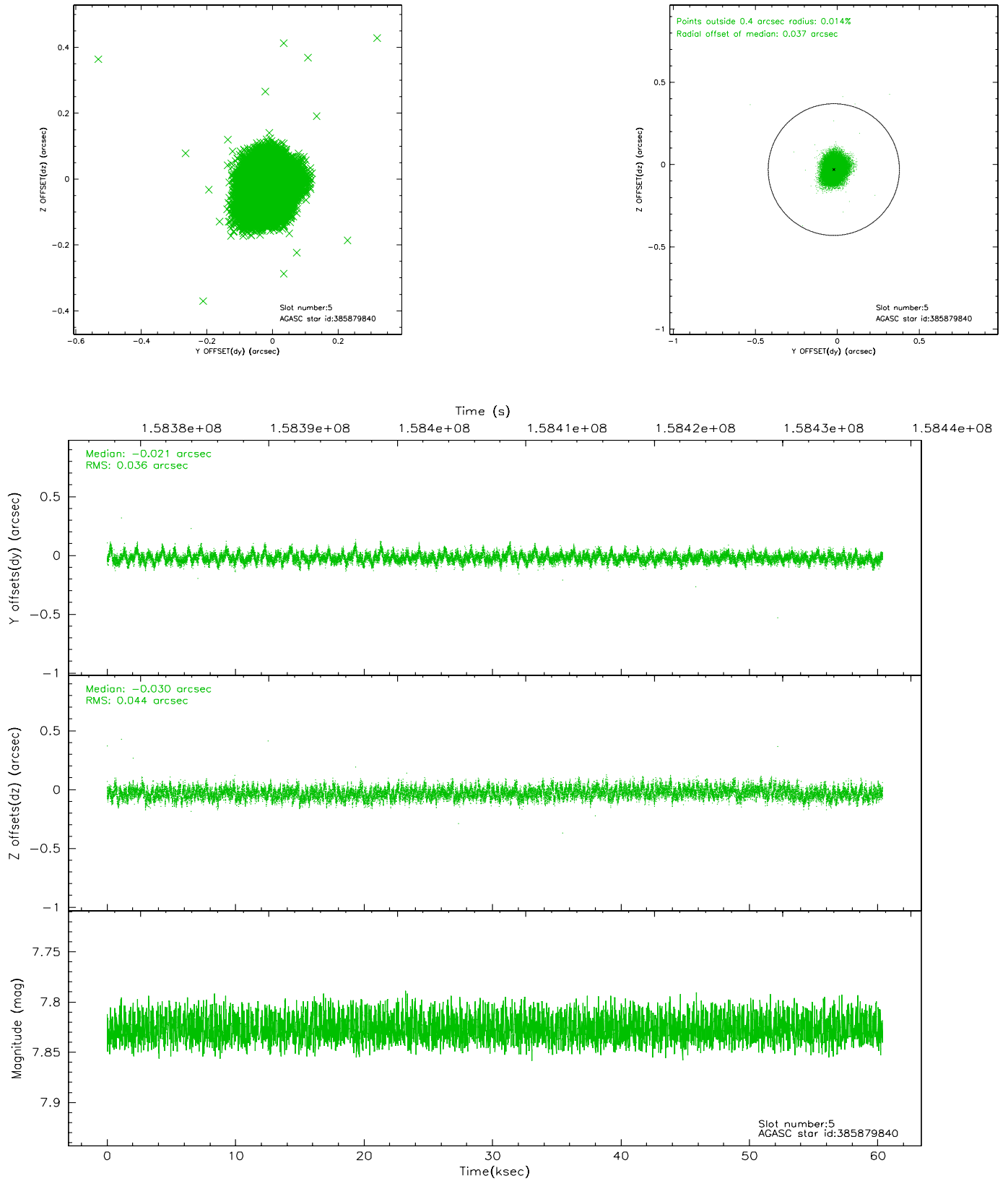
2.4.1 Slot 3



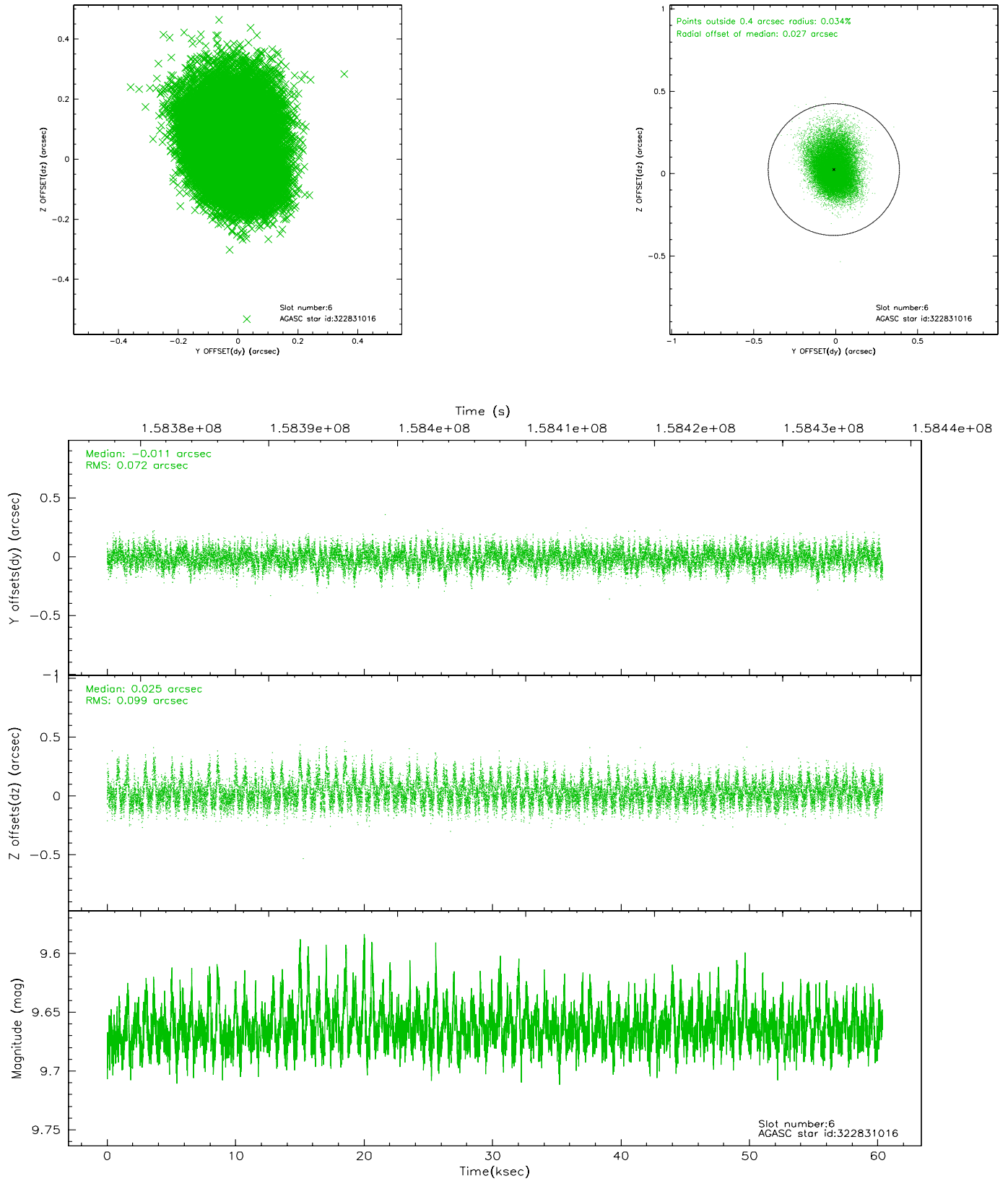
2.4.2 Slot 4



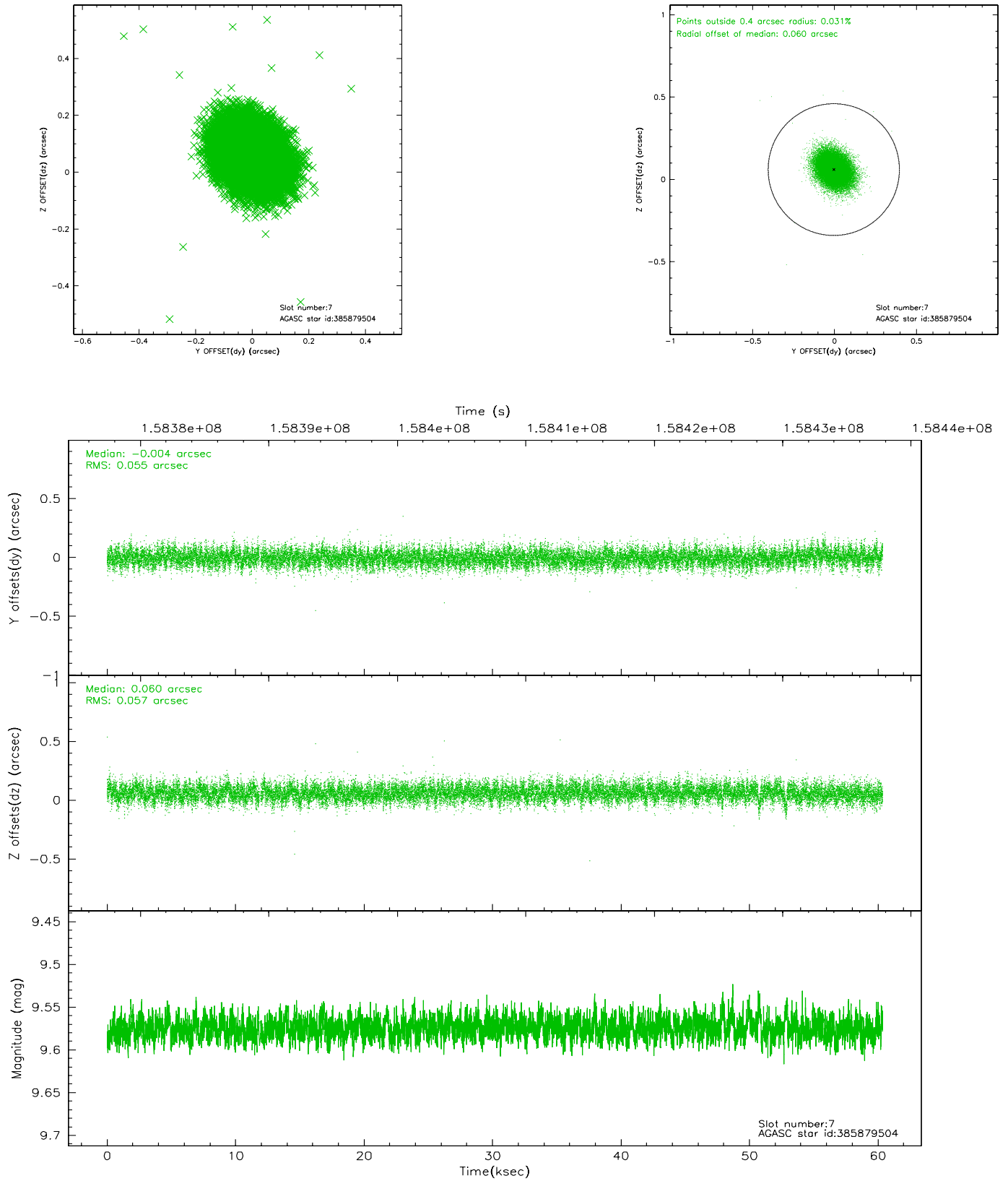
2.4.3 Slot 5



2.4.4 Slot 6

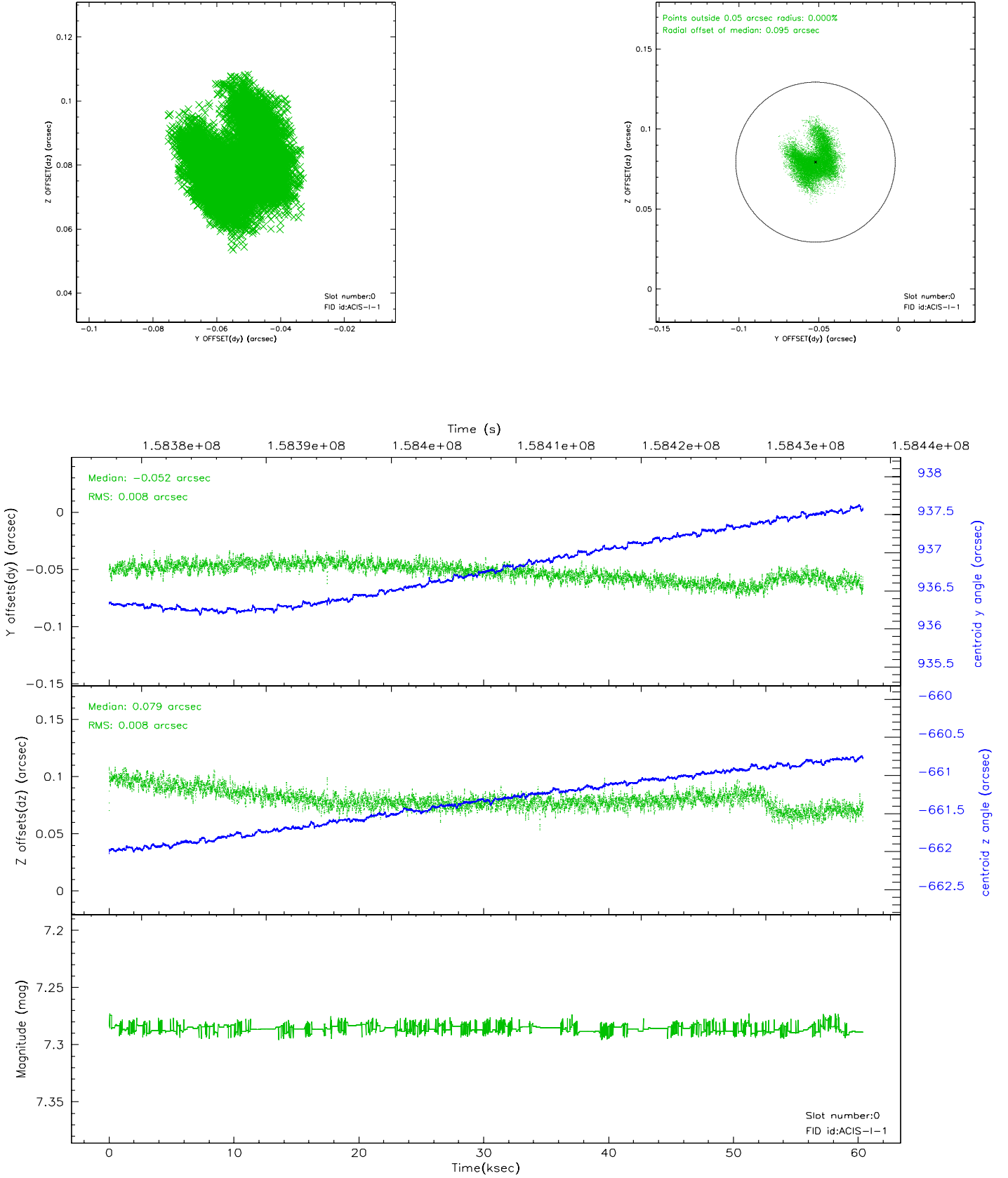


2.4.5 Slot 7

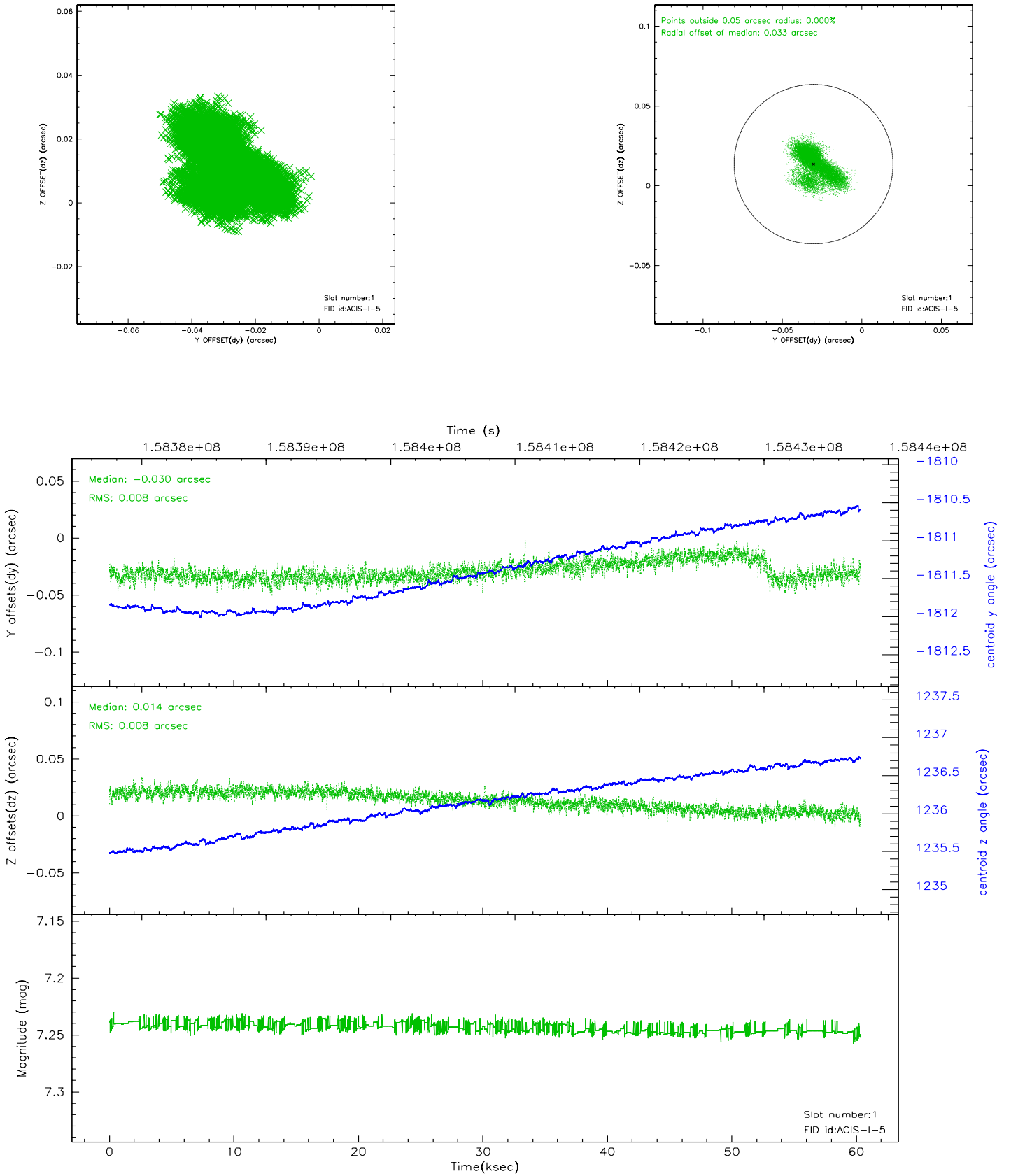


2.5 FID Slots

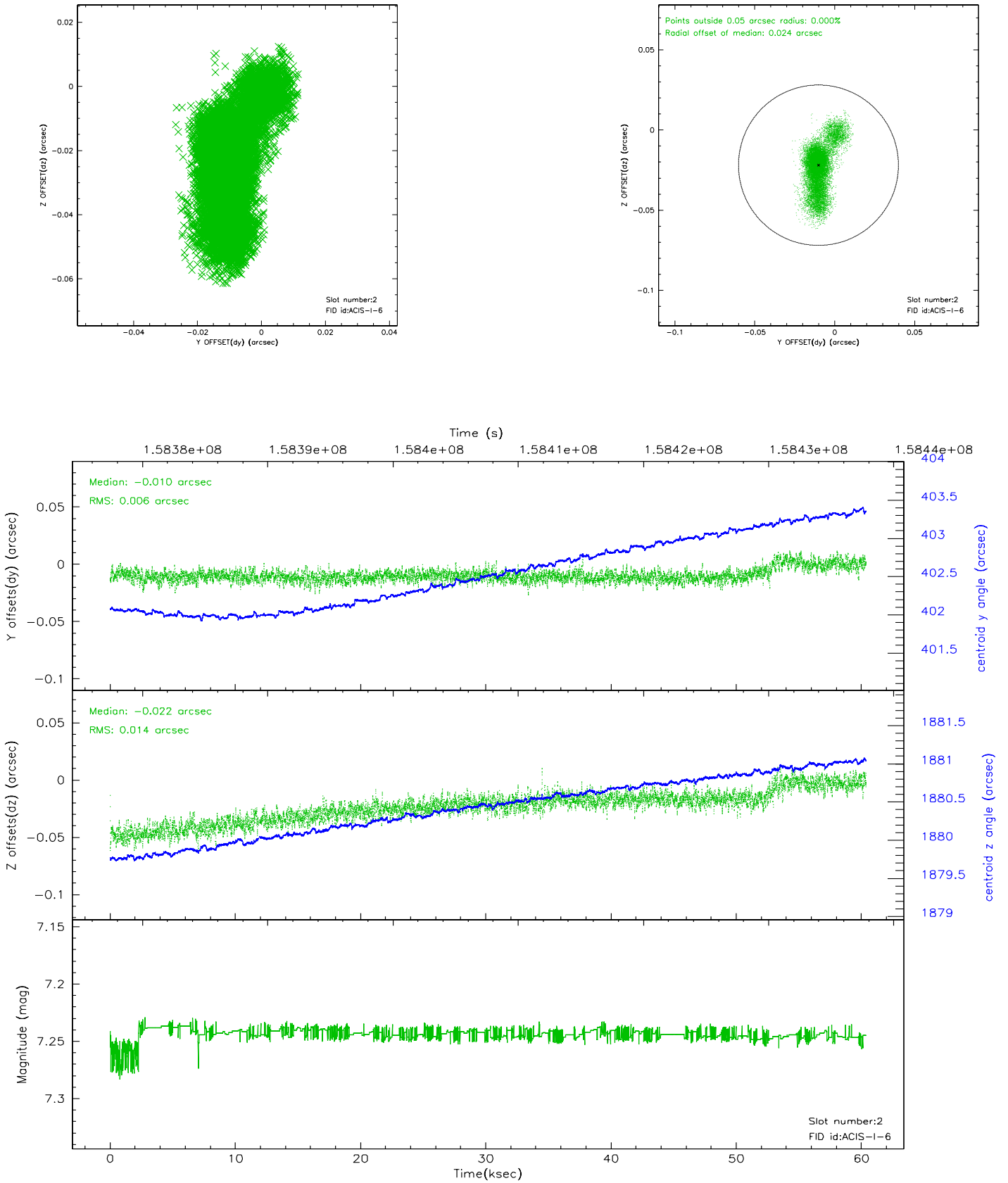
2.5.1 Slot 0



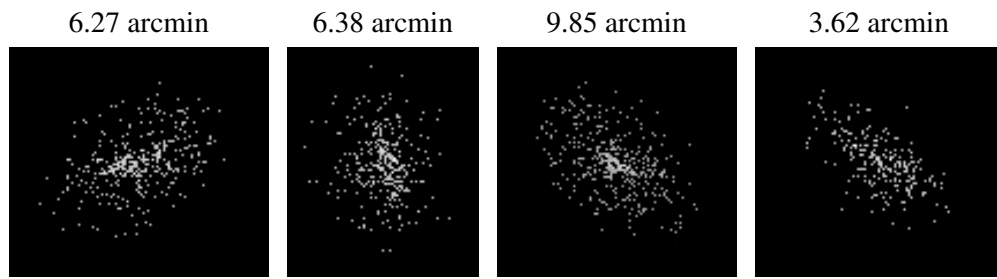
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.10.19
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	59.928

A.2 Comments

Roll constraint OK.