

V&V Reference Report

L2 ASCDS Version : 7.6.9

Observation 2793 - L2 Version 001
Chandra X-Ray Center

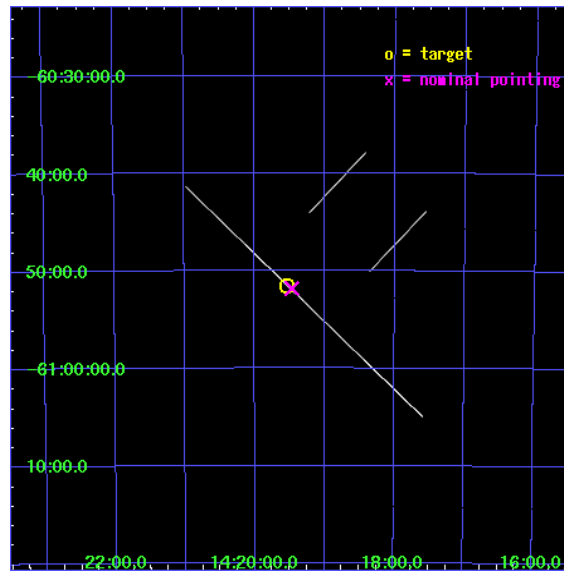
L2 Processing Date : Oct 4 2006

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1 Front

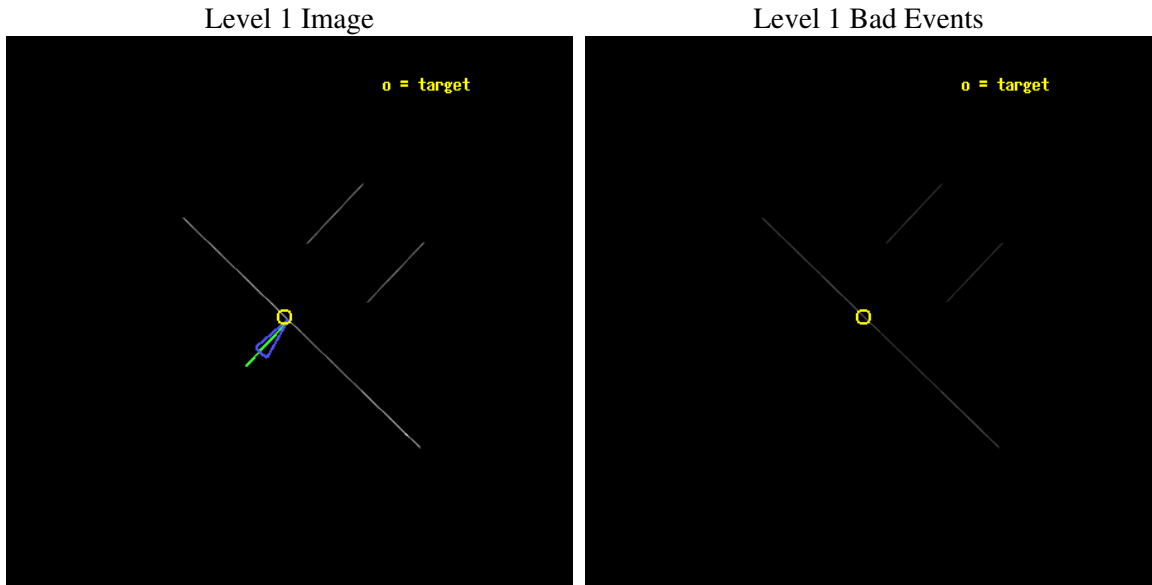
seq_num	500243
obs_id	2793
title	IMAGING AND TIMING STUDIES OF THE VERY ENERGETIC PSR J1420-6048
observer	Prof. Roger Romani
object	PSR J1420-6048
ra_targ	214.883333
dec_targ	-60.858333
ra_nom	214.86671807748
dec_nom	-60.863697906726
roll_nom	223.6968066845
revision	2
ontime	31156.579256654
livetime	31034.873868932
ontime2	31158.040020764
ontime3	31158.041633666
ontime5	31158.039684176
ontime6	31159.5
ontime7	31156.579256654
ontime8	31158.039683819
l2events	361382



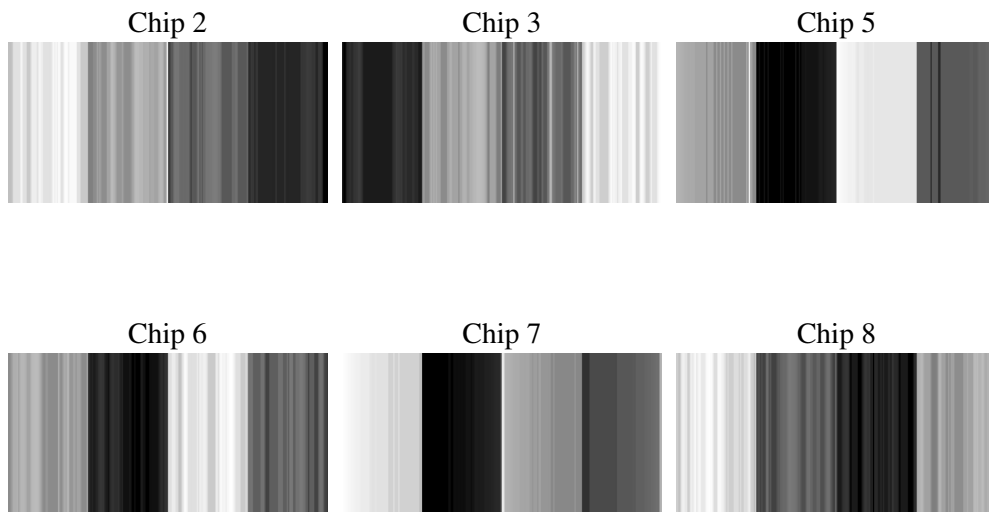
2 OBI

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	2006-10-04T10:38:34
revision	2

sched_exp_time	30100.000000
ontime	31159.370828569
ontime2	31160.868811965
ontime3	31162.252921522
ontime5	31162.290491432
ontime6	31163.750780791
ontime7	31159.370828569
ontime8	31162.290424734
l1events	558473

2.1.4 Events

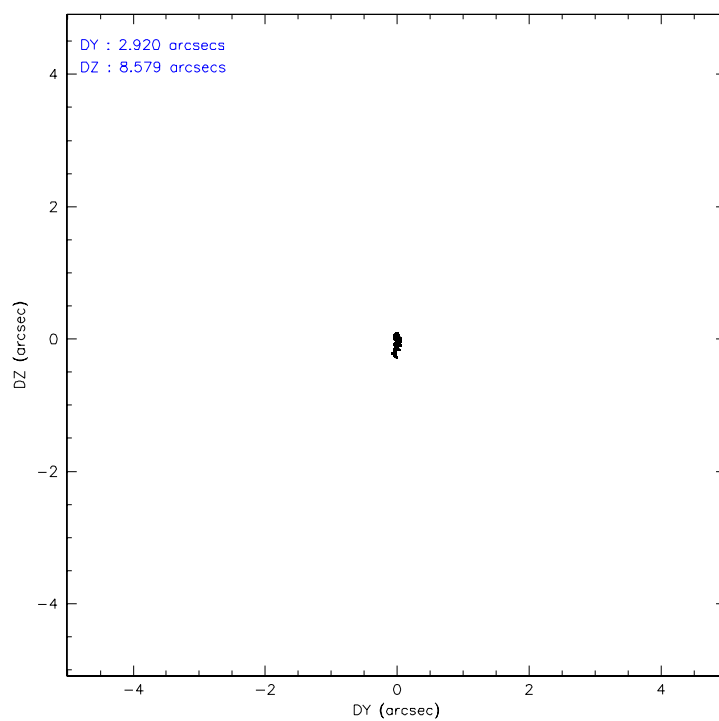
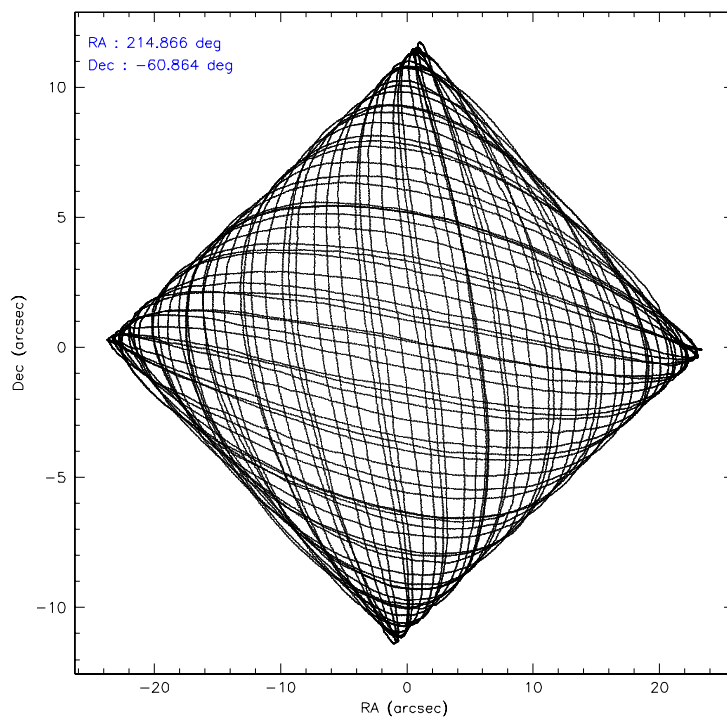
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	40133	42342	215886	49859	128280	81973
rejected events	6765	7609	15317	8225	18404	11431
rejected %	16%	17%	7%	16%	14%	13%

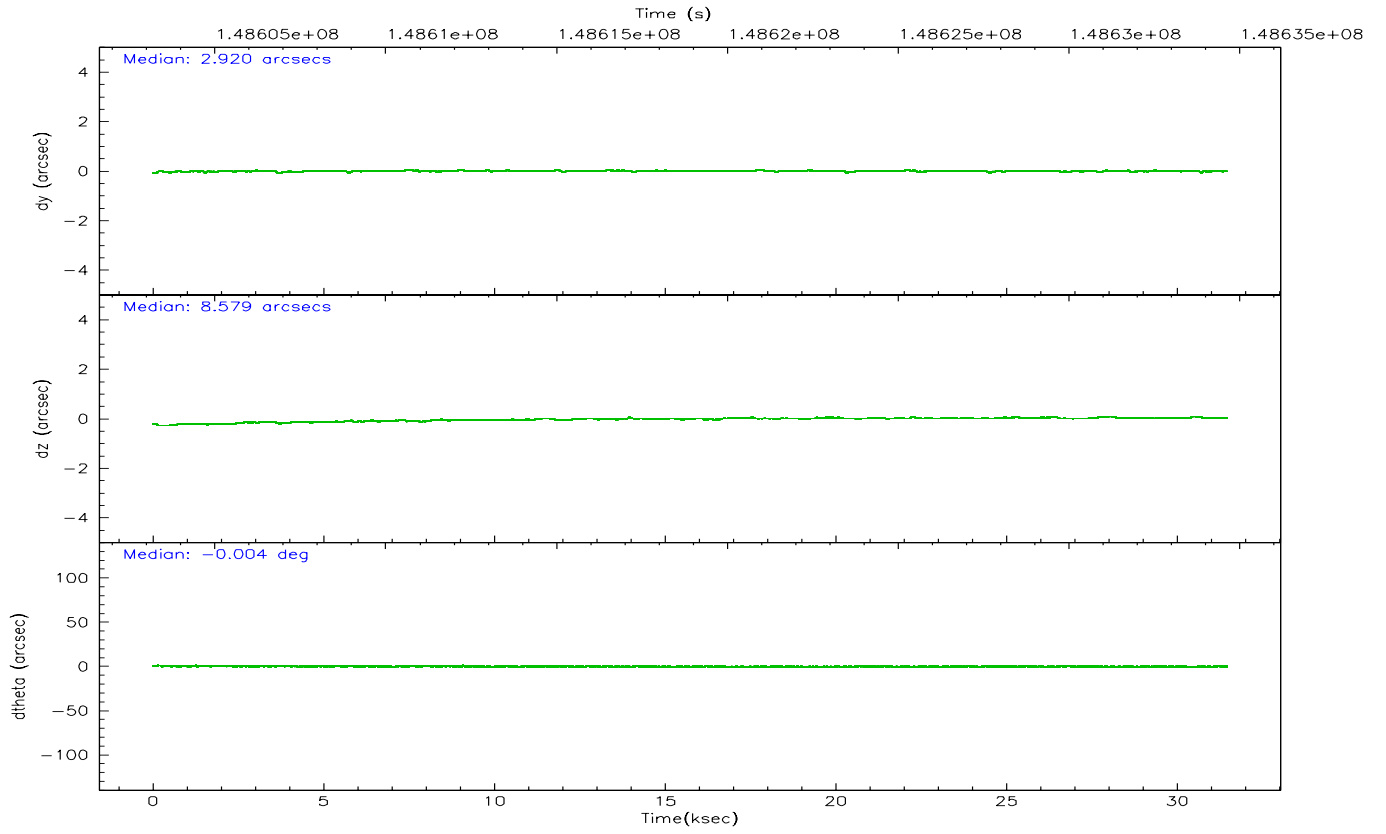
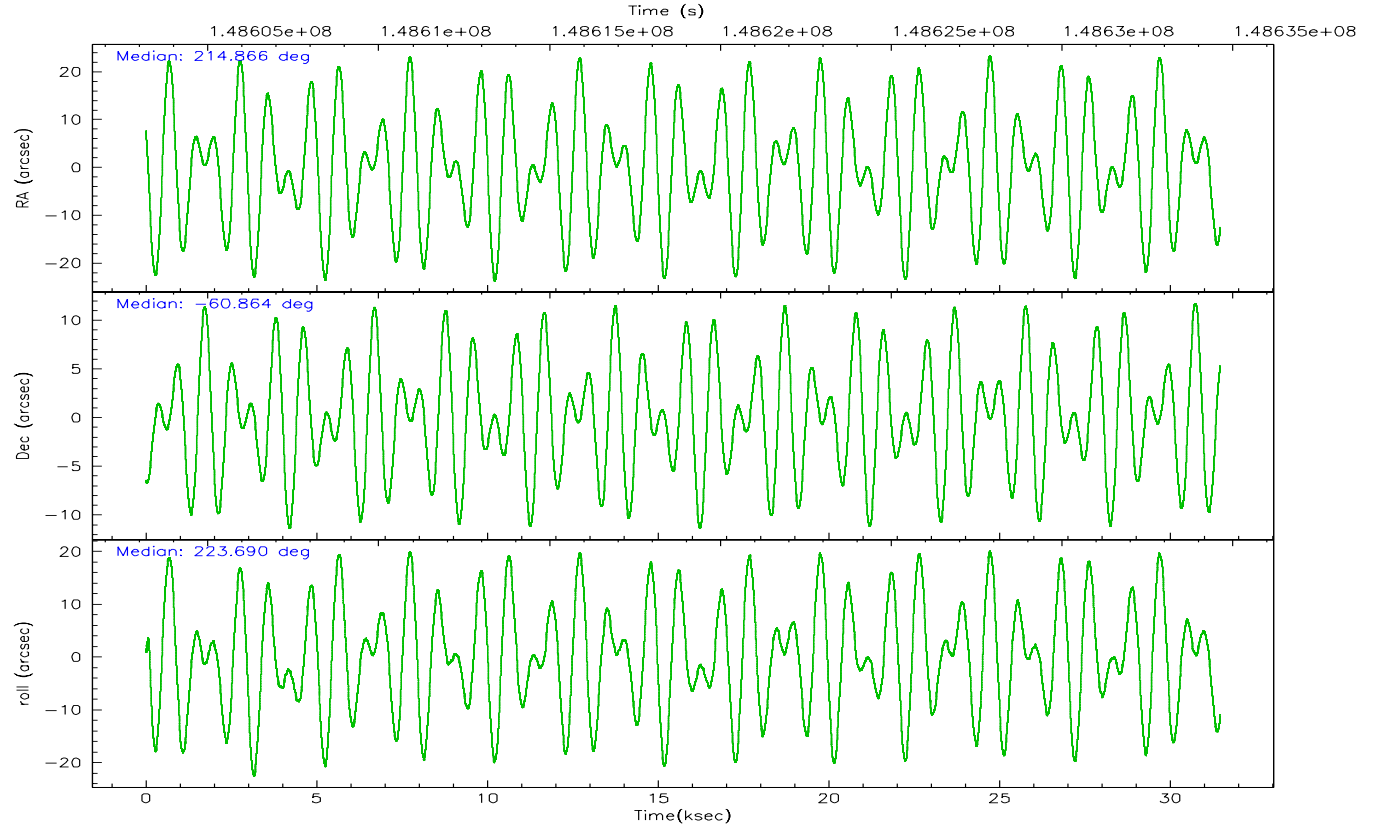
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	4880	4666	60659	4986	6807	12994
	12%	11%	28%	10%	5%	15%
grade 1 events	179	148	219	127	208	297
	0%	0%	0%	0%	0%	0%
grade 2 events	12985	12800	51118	18575	29058	22512
	32%	30%	23%	37%	22%	27%
grade 3 events	4433	5436	3042	4656	4700	8150
	11%	12%	1%	9%	3%	9%
grade 4 events	4429	4555	2944	4527	4521	7906
	11%	10%	1%	9%	3%	9%
grade 5 events	6577	7453	15065	8094	18165	11127
	16%	17%	6%	16%	14%	13%
grade 6 events	6650	7284	82839	8894	64821	18987
	16%	17%	38%	17%	50%	23%
grade 7 events	0	0	0	0	0	0
	0%	0%	0%	0%	0%	0%

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	CC33_FAINT	CC33_FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	214.881753	214.8667180774806	Subarray requested	NONE	NONE
Pointing Dec	-60.837446	-60.86369790672551	Alternating exposures requested	N	N
Pointing Roll	223.553309	223.6968066844999	Primary exposure time	0.000000	0
Roll angle	220.000000	220.000000			
Roll tolerance	10.000000	10.000000			
Roll constraint allows 180D rotation	N	N			
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			
Observation start time	148604546.184000	148603000.72373			
Observation start date	2002-09-16T23:01:22	2002-09-16T22:36:40			
Observation end time	148634646.184000	148636228.15011			
Observation end date	2002-09-17T07:23:02	2002-09-17T07:50:28			
Read mode	CONTINUOUS	CONTINUOUS			

2.3 Aspect



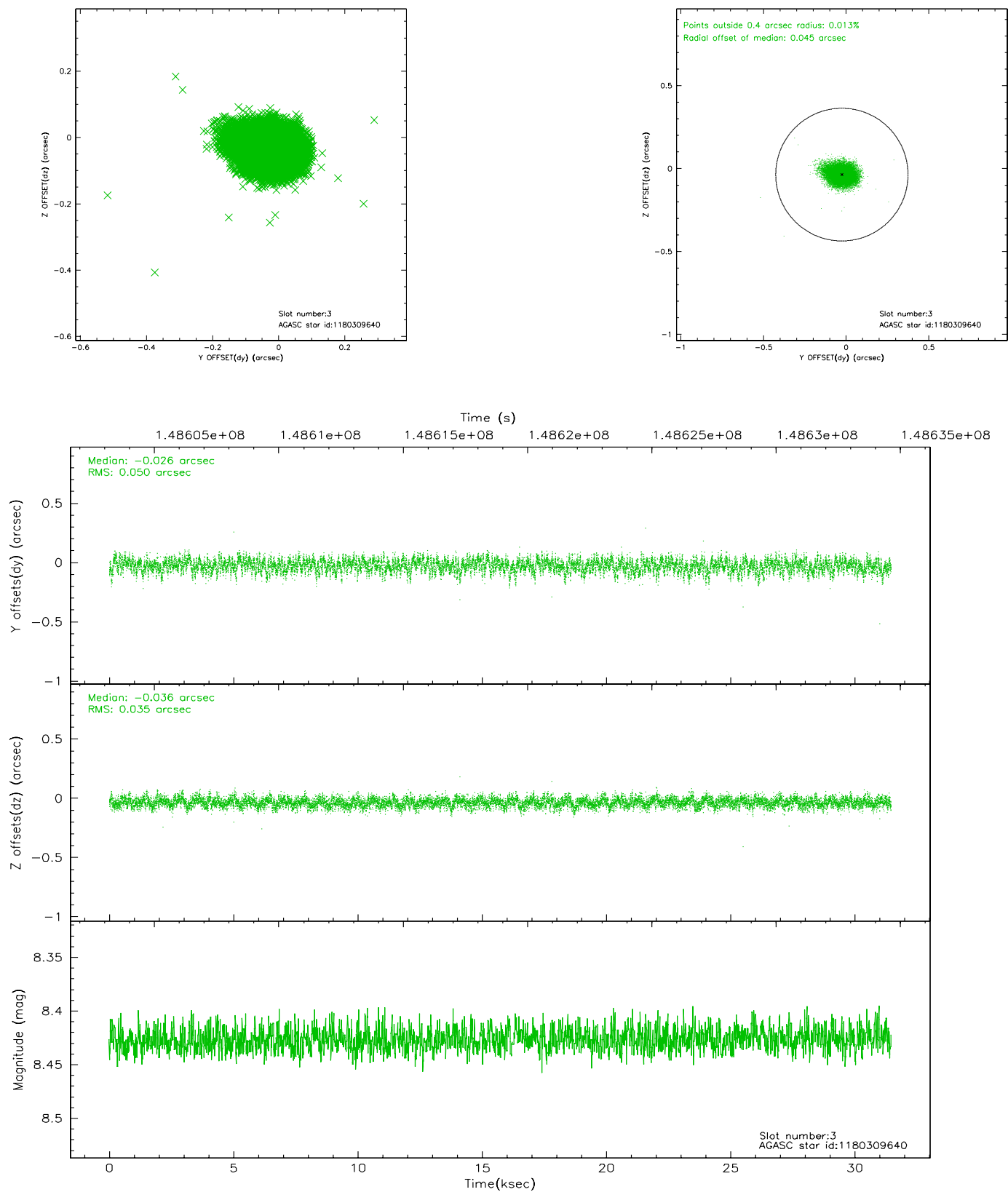


Slot Statistics

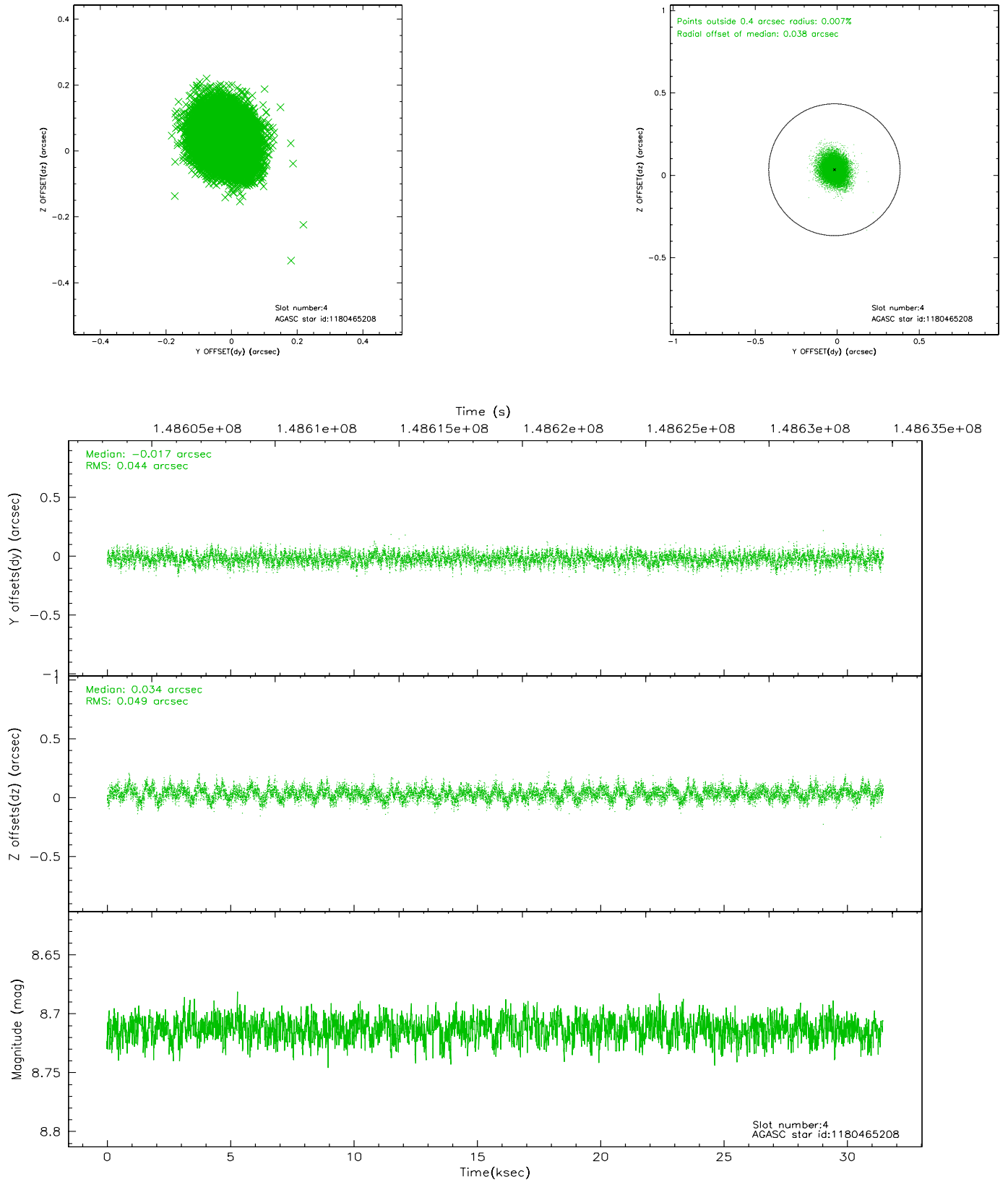
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	7672	-0.004	0.016	0.007	0.011	0.000000	0.000000	-755.57	-1729.74
1	FID	ACIS-S-4	7.20	7672	-0.051	-0.002	0.005	0.009	0.000000	0.000000	2157.64	178.65
2	FID	ACIS-S-5	7.24	7671	0.024	-0.005	0.006	0.011	0.000000	0.000000	-1808.30	172.41
3	GUIDE	1180309640	8.43	15341	-0.026	-0.036	0.064	0.106	213.569198	-60.971155	2009.08	-1213.51
4	GUIDE	1180465208	8.71	15339	-0.017	0.034	0.070	0.114	215.460543	-60.837299	-733.38	702.96
5	GUIDE	1180309912	8.94	15335	0.110	-0.064	0.093	0.147	213.452545	-60.931679	2064.13	-1455.92
6	GUIDE	1180463728	9.28	15335	-0.003	0.096	0.081	0.133	215.636137	-60.878148	-851.93	1022.91
7	GUIDE	1180469776	9.40	15330	-0.063	-0.028	0.108	0.170	216.482615	-60.942296	-1745.41	2227.32

2.4 Star Slots

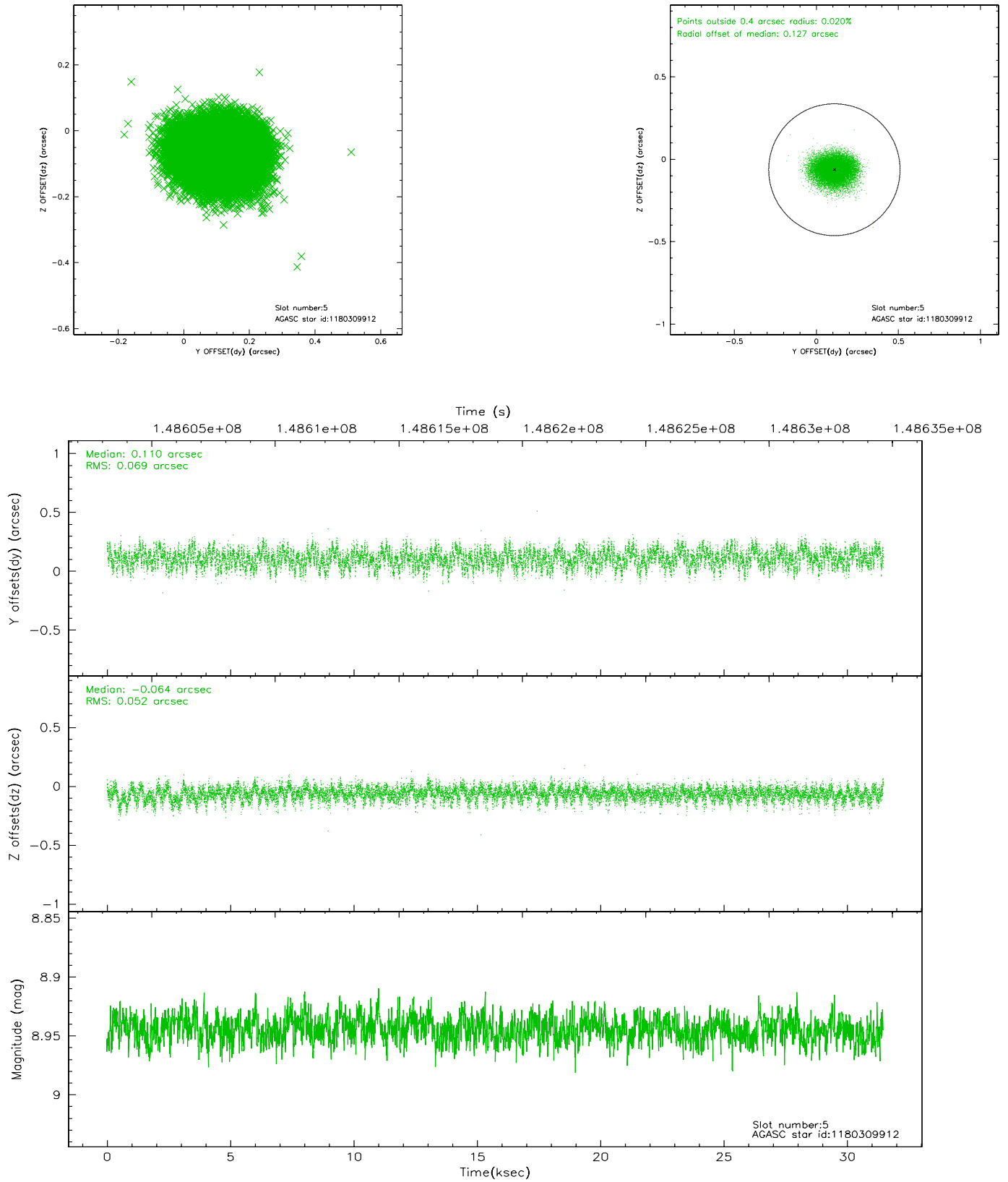
2.4.1 Slot 3



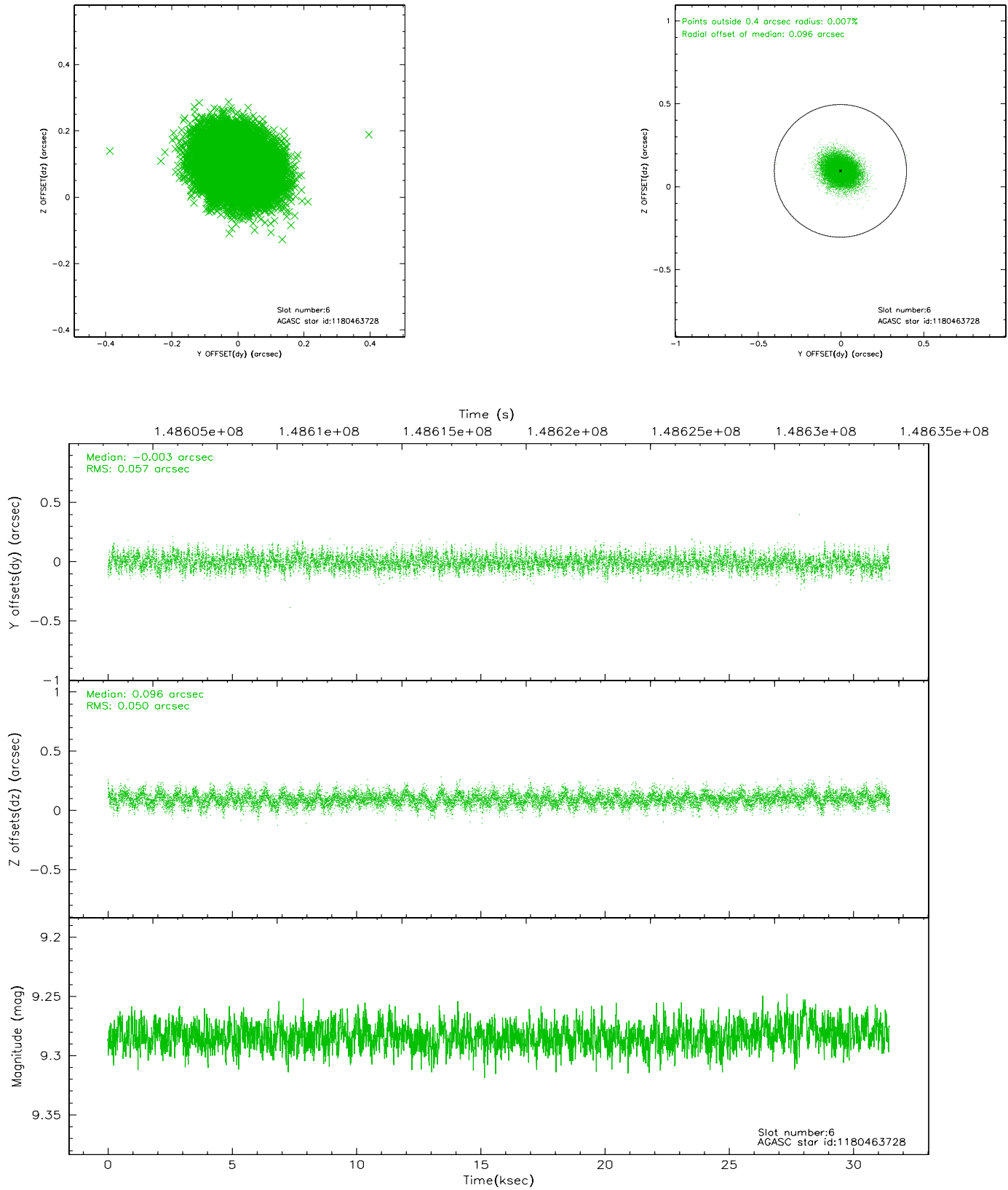
2.4.2 Slot 4



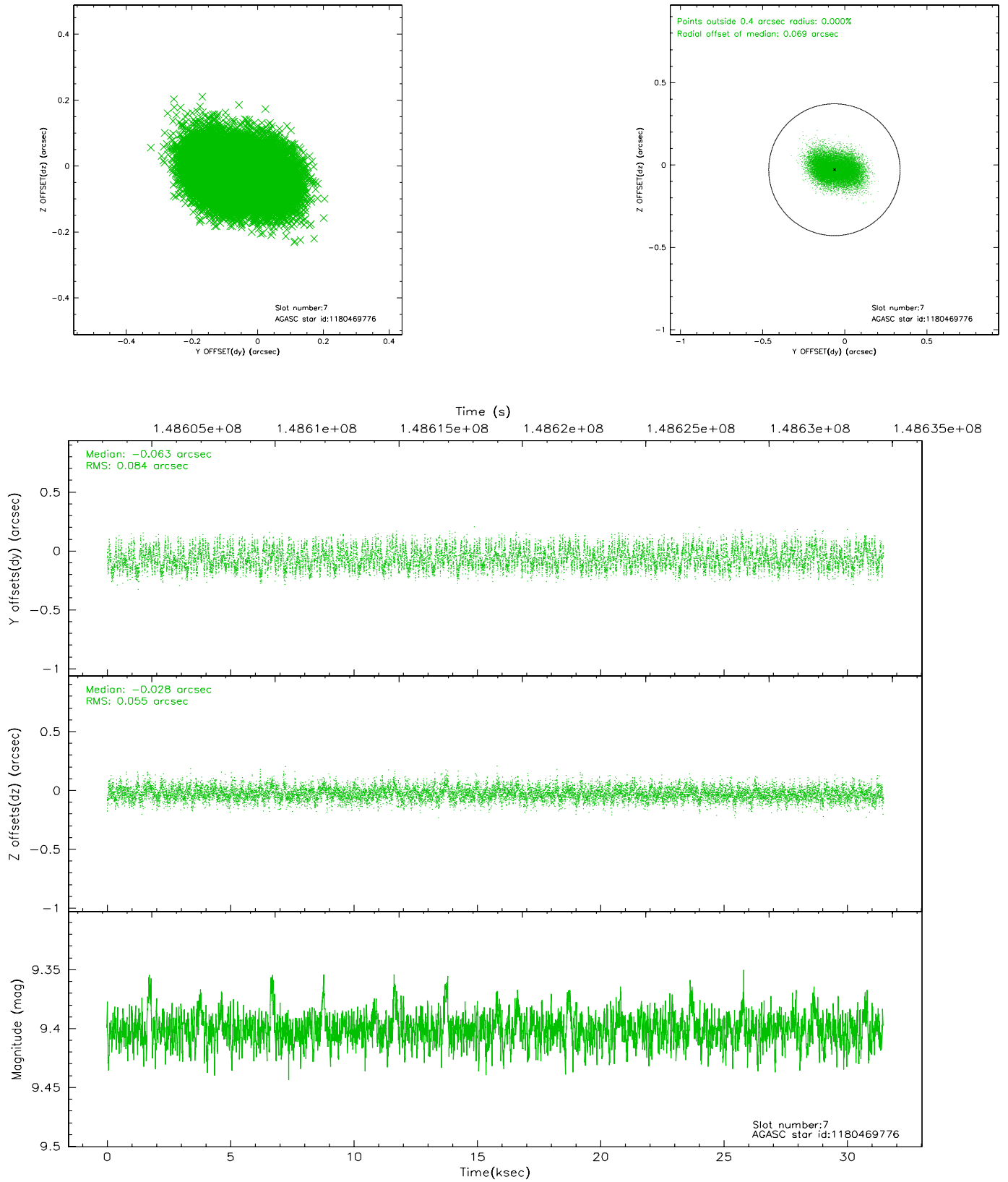
2.4.3 Slot 5



2.4.4 Slot 6

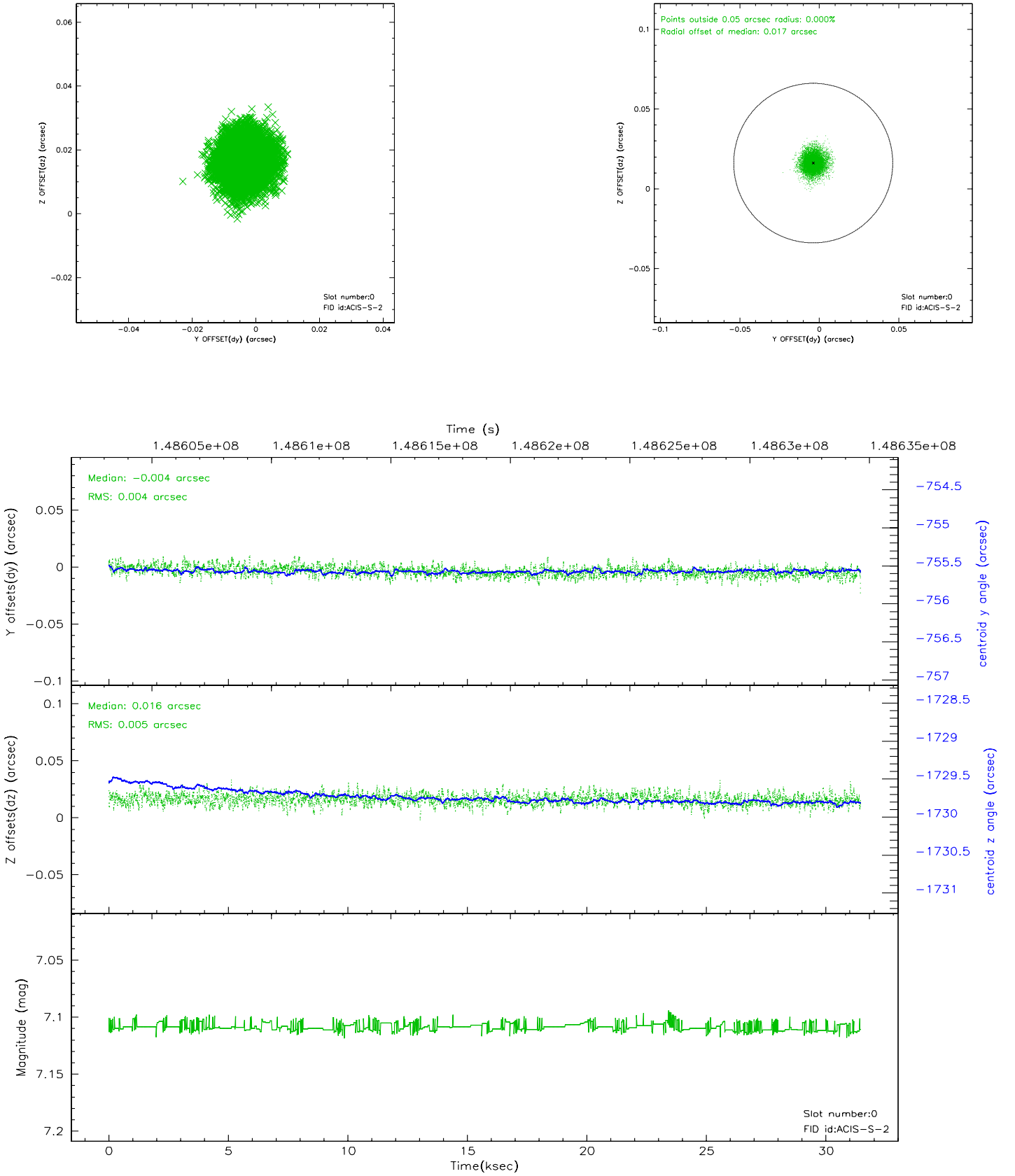


2.4.5 Slot 7

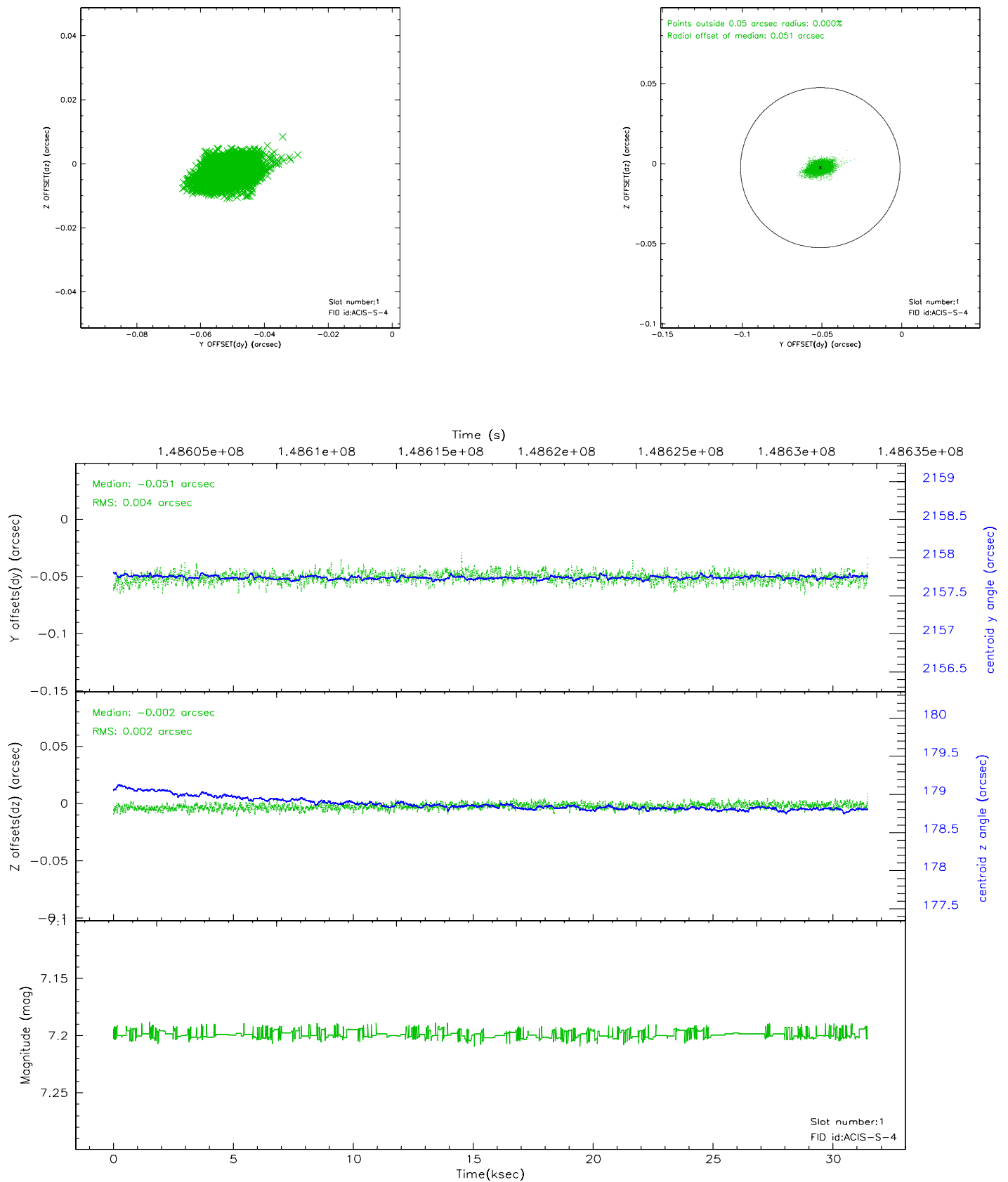


2.5 FID Slots

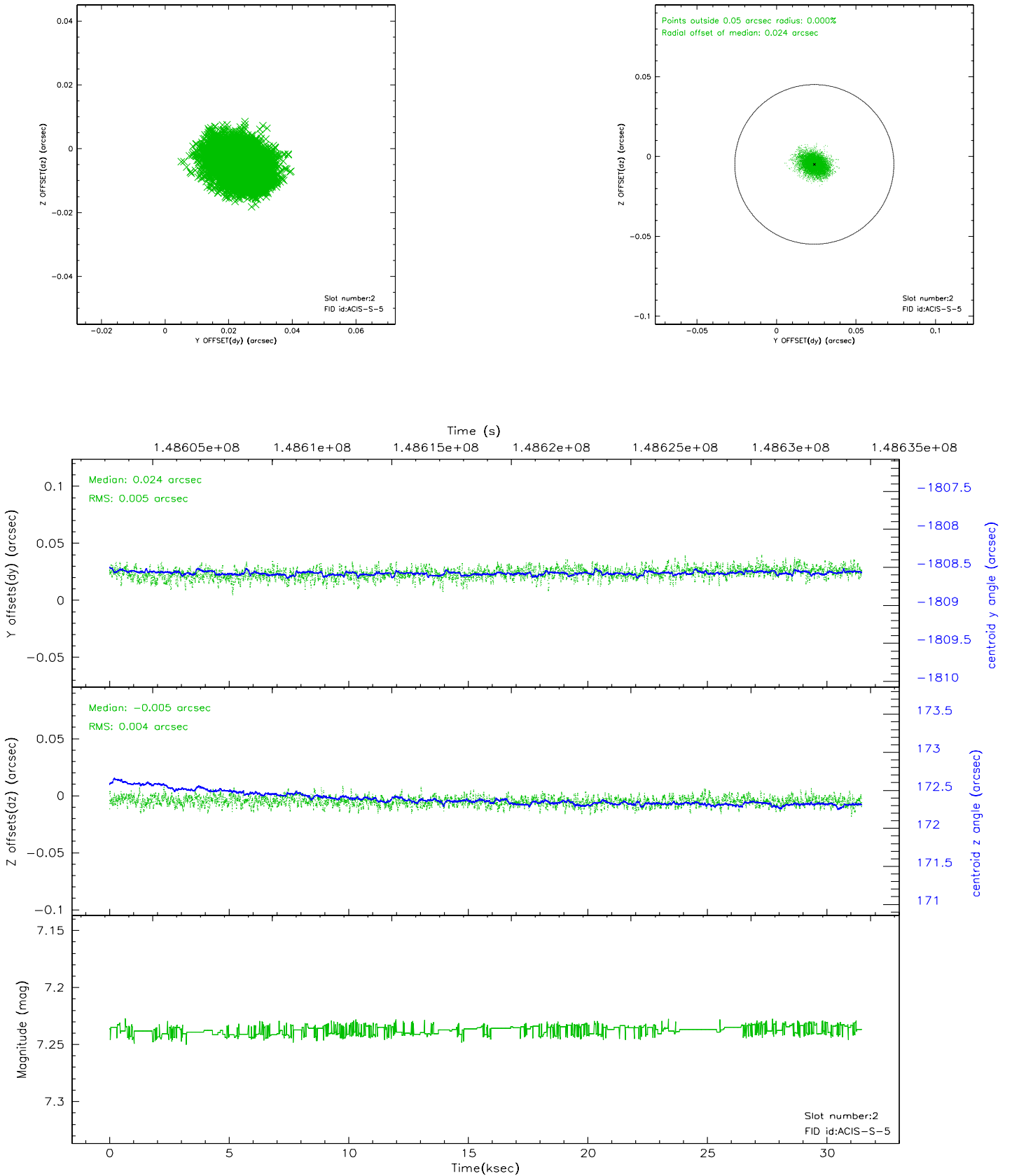
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	David Huenemoerder
V&V Date (YYYY-MM-DD)	2006.10.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	31.159

A.2 Comments