

V&V Reference Report

L2 ASCDS Version : 7.6.7.1

Observation 6169 - L2 Version 002
Chandra X-Ray Center

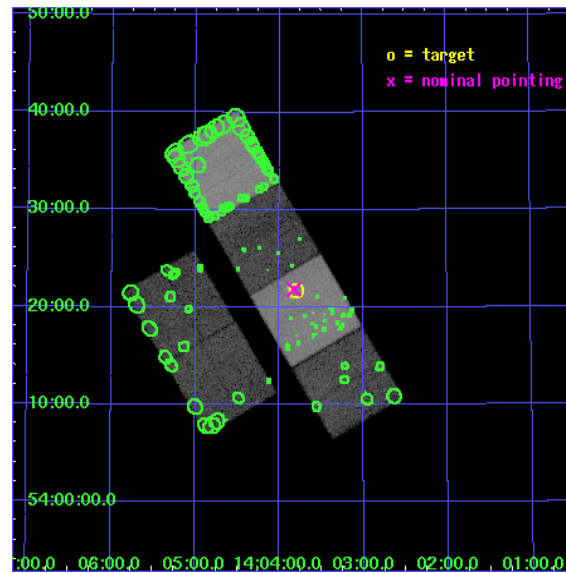
L2 Processing Date : Apr 7 2006

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1 Front

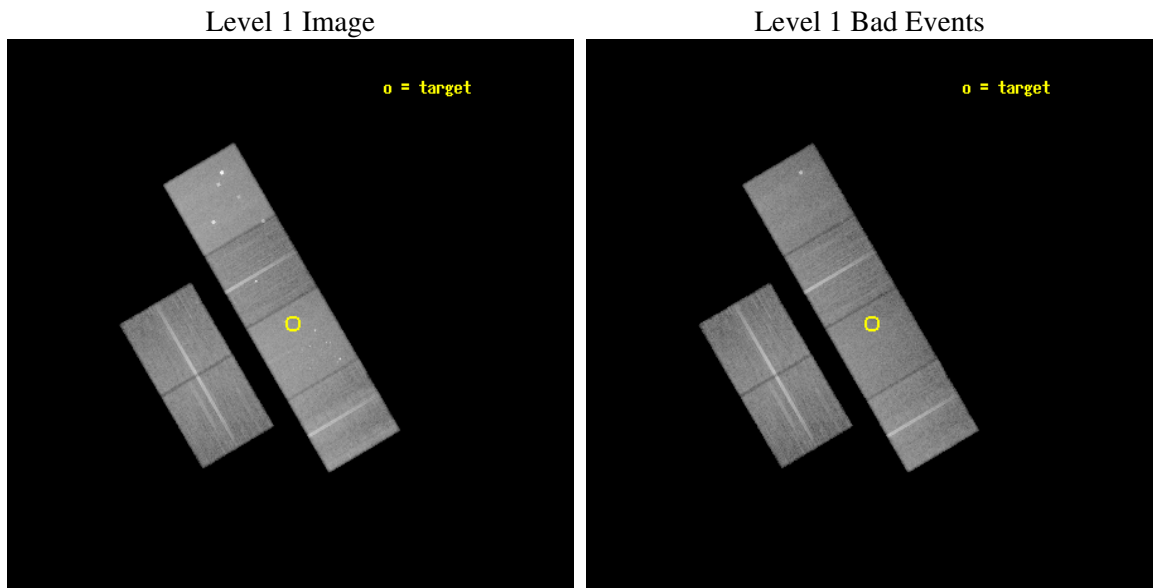
seq_num	600392
obs_id	6169
title	An Ultra-Deep Study of M101
observer	Dr. K. Kuntz
object	M101
dtcycle	0
cycle	P
ra_targ	210.950833
dec_targ	54.361389
ra_nom	210.9567659347
dec_nom	54.363994950561
roll_nom	59.664137892974
revision	2
ontime	29753.599889159
livetime	29376.841891896
ontime2	29750.358898968
ontime3	29753.599889159
ontime5	29753.599889159
ontime6	29750.358898938
ontime7	29753.599889159
ontime8	29743.876938522
l2events	354434



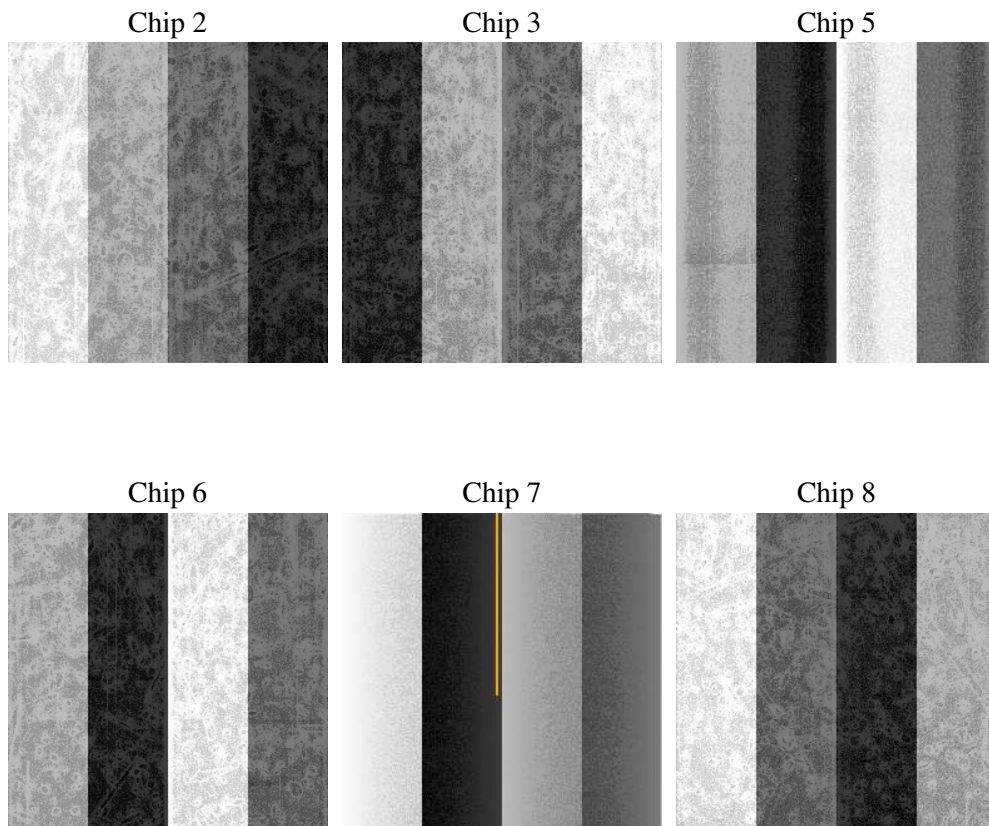
2 OBI

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	2006-04-07T15:34:27
revision	2

sched_exp_time	30000.000000
ontime	29758.883881241
ontime2	29755.642891049
ontime3	29758.883881241
ontime5	29758.883881241
ontime6	29755.64289102
ontime7	29758.883881241
ontime8	29749.160910696
l1events	1594483

2.1.4 Events

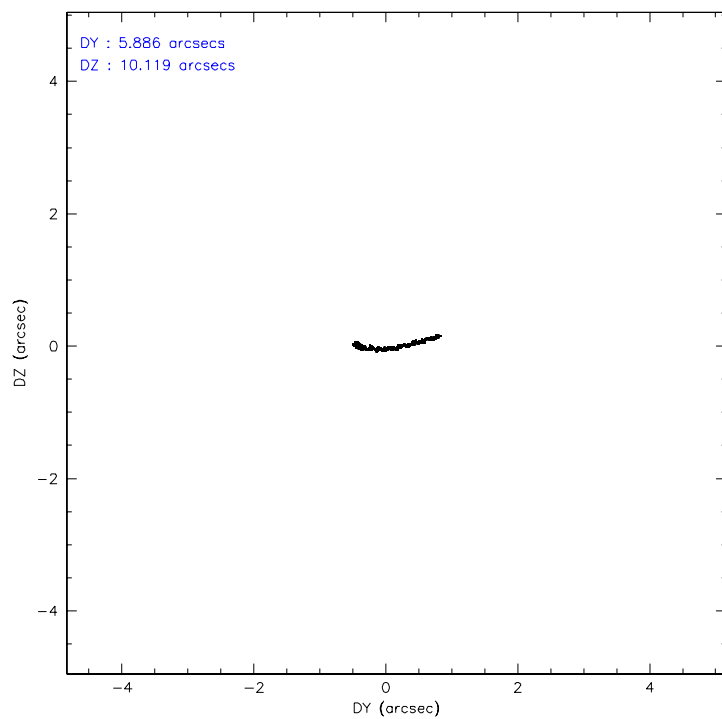
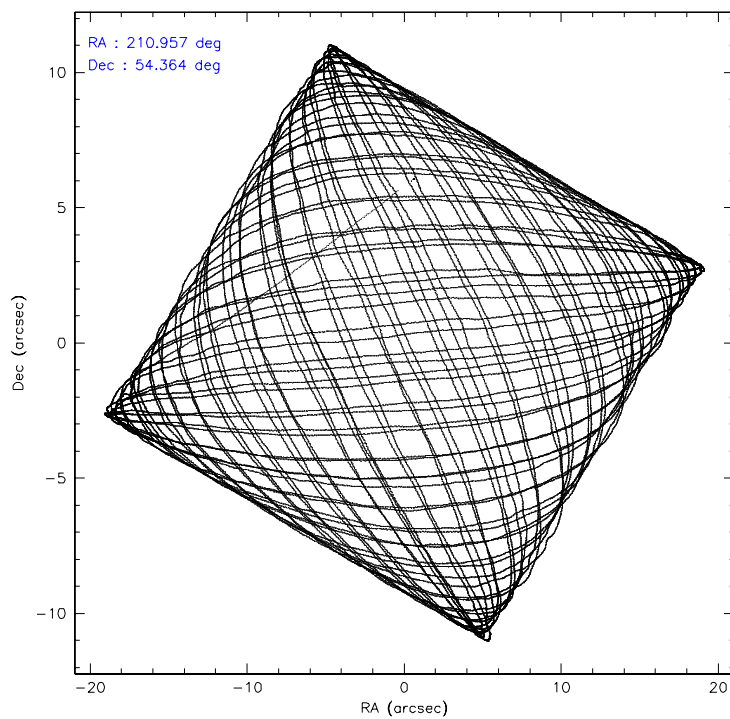
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	225382	214469	338220	225831	307144	283437
rejected events	198256	188758	185795	197172	185589	222593
rejected %	87%	88%	54%	87%	60%	78%

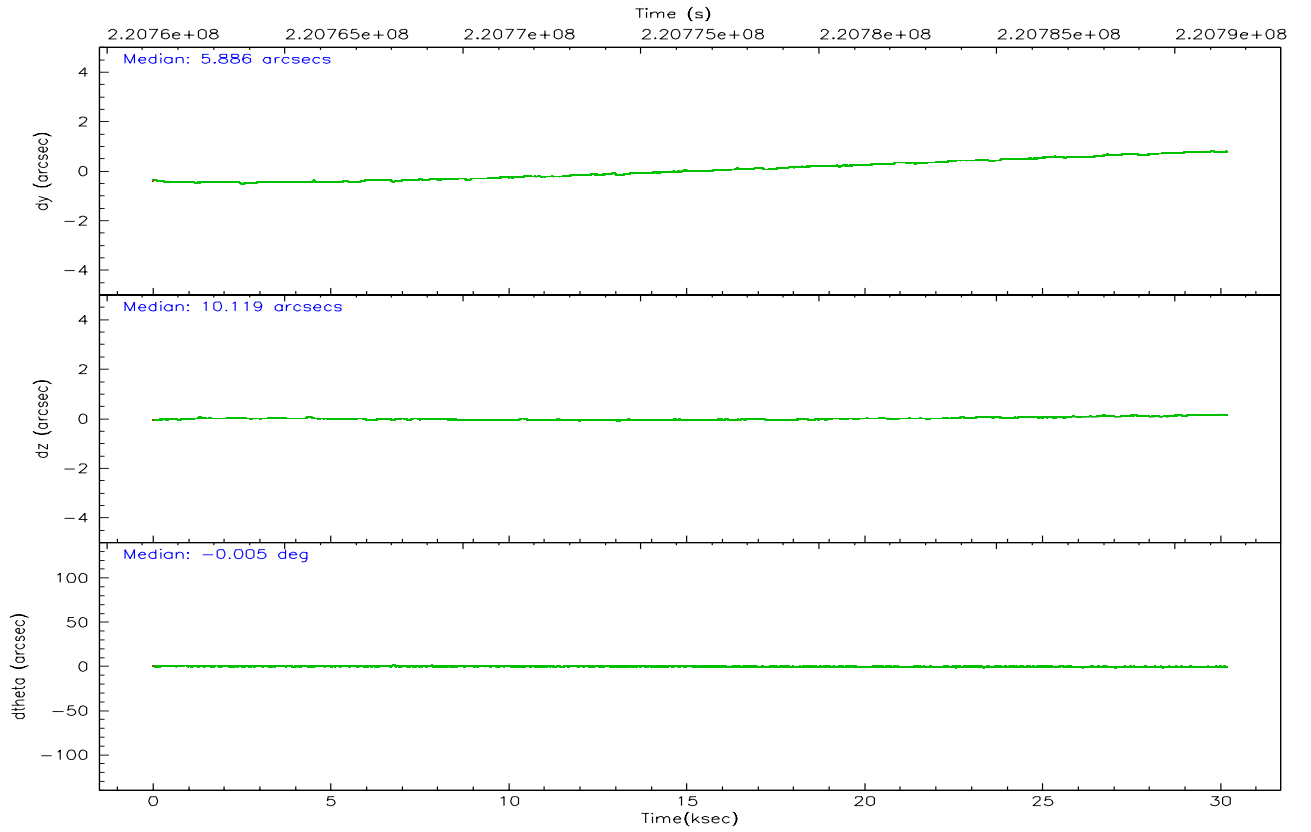
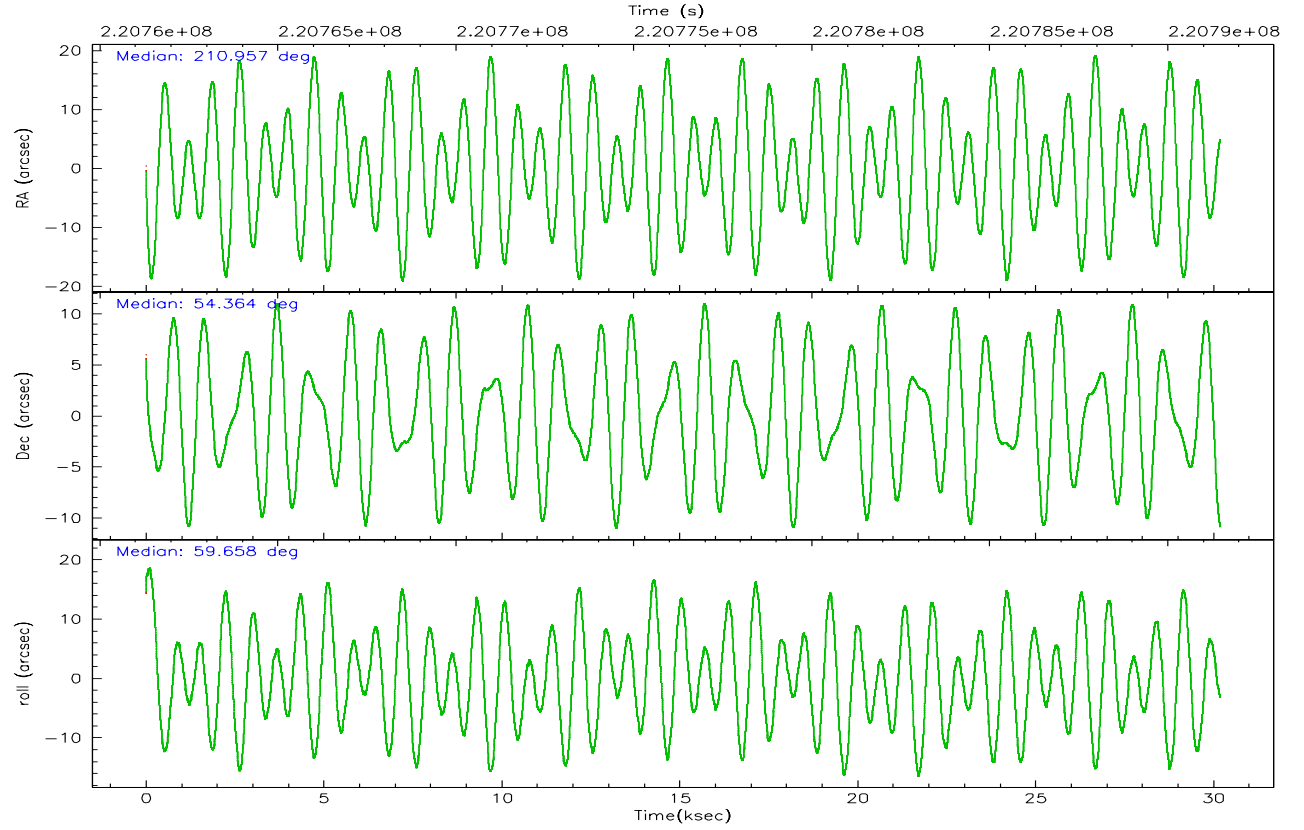
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	12332	11215	15537	12263	8993	19301
	5%	5%	4%	5%	2%	6%
grade 1 events	126	148	1669	110	176	223
	0%	0%	0%	0%	0%	0%
grade 2 events	5416	4906	46680	5708	30623	13374
	2%	2%	13%	2%	9%	4%
grade 3 events	2508	2544	3342	2644	6243	6501
	1%	1%	0%	1%	2%	2%
grade 4 events	2470	2569	3152	2562	6244	6016
	1%	1%	0%	1%	2%	2%
grade 5 events	8772	9771	15711	10220	19928	13285
	3%	4%	4%	4%	6%	4%
grade 6 events	4403	4483	83745	5491	69487	15680
	1%	2%	24%	2%	22%	5%
grade 7 events	189355	178833	168384	186833	165450	209057
	84%	83%	49%	82%	53%	73%

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	210.957161	210.956765934697	Alternating exposures requested	N	N
Pointing Dec	54.336773	54.36399495056103	Primary exposure time	0.000000	3.2
Pointing Roll	59.507190	59.66413789297386			
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	220761480.184000	220759850.94207			
Observation start date	2004-12-30T02:36:56	2004-12-30T02:10:50			
Observation end time	220791480.184000	220792385.98104			
Observation end date	2004-12-30T10:56:56	2004-12-30T11:13:05			
Read mode	TIMED	TIMED			

2.3 Aspect



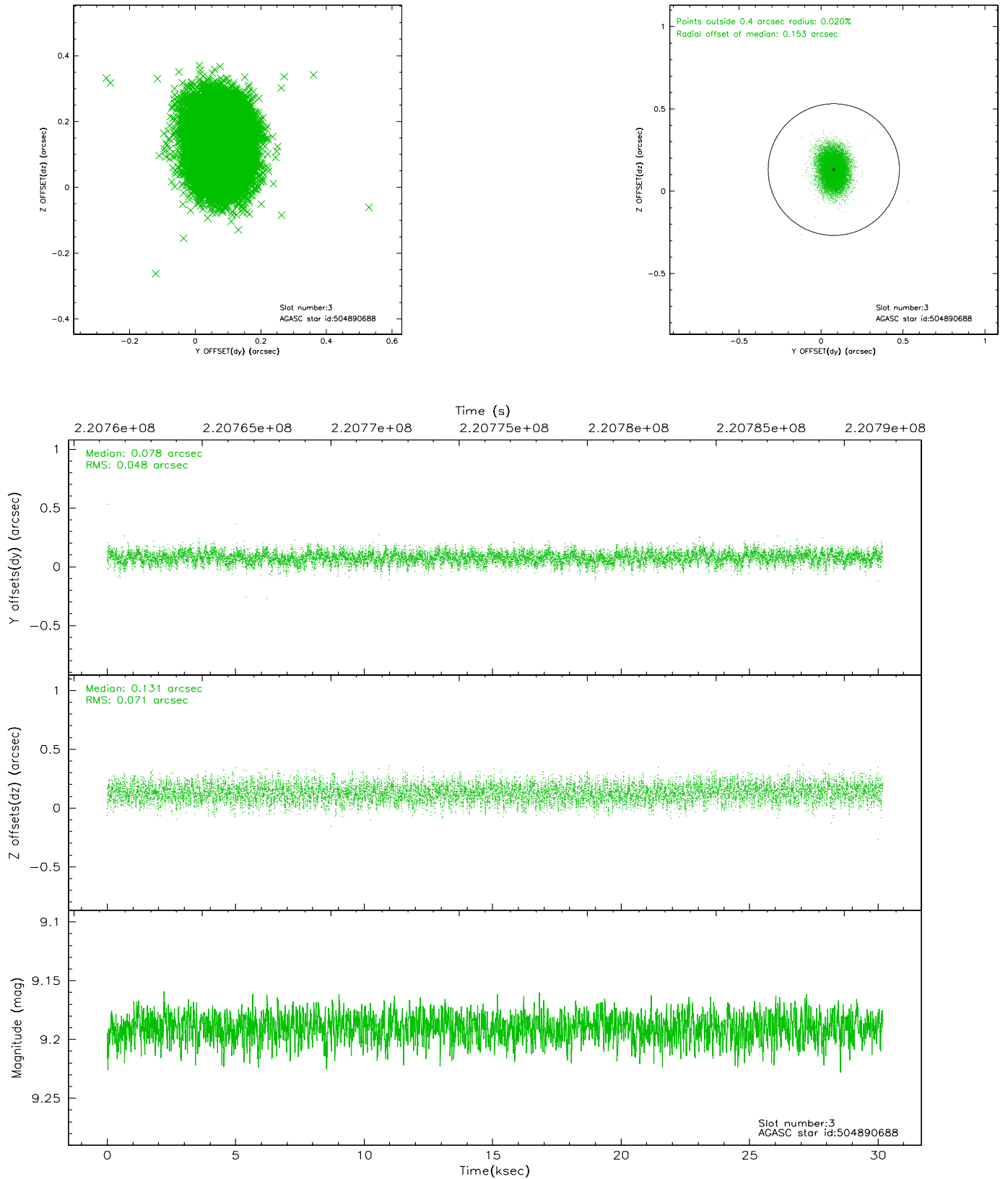


Slot Statistics

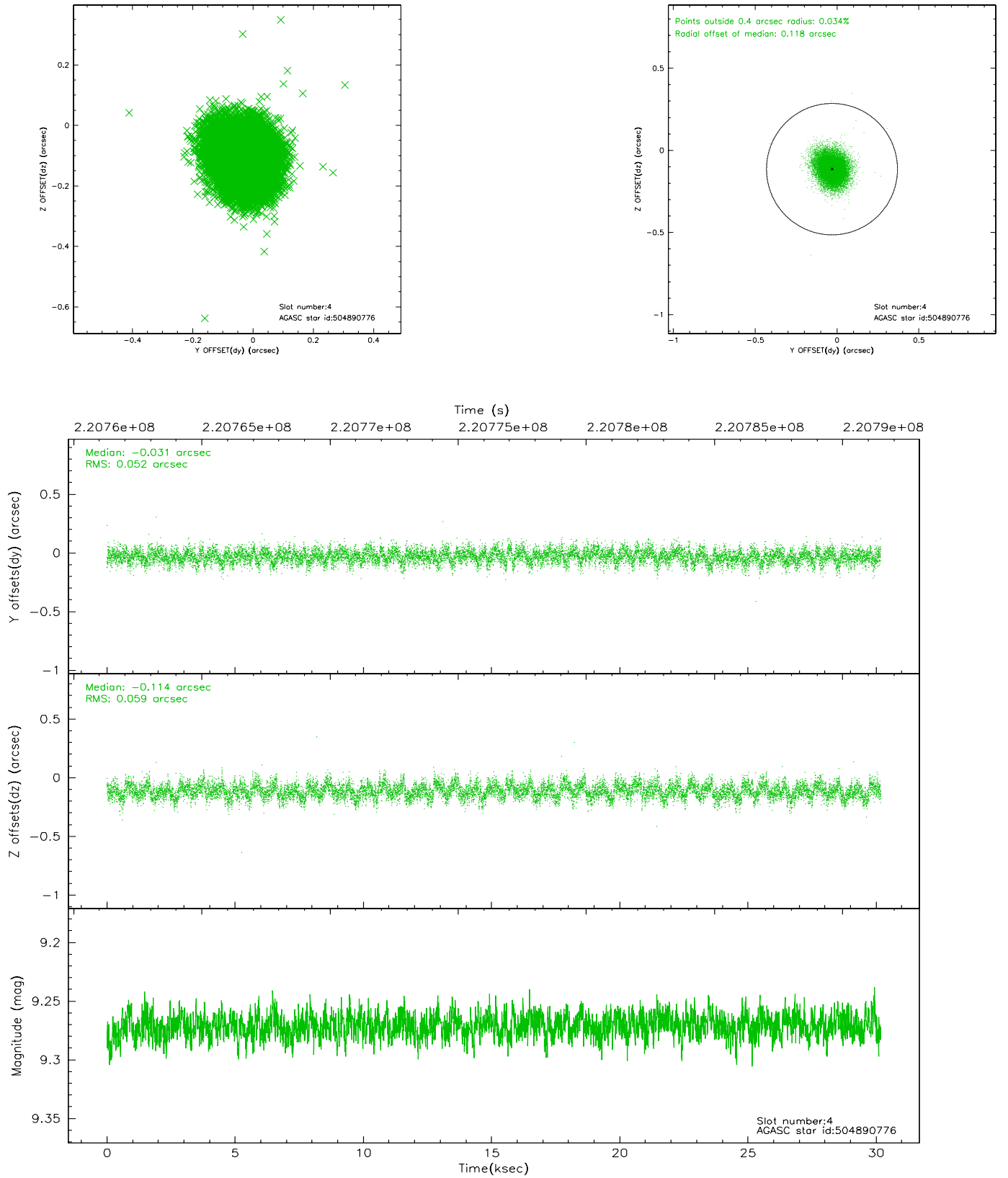
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	7363	-0.063	-0.009	0.010	0.025	0.000000	0.000000	-758.69	-1731.40
1	FID	ACIS-S-4	7.21	7362	0.078	0.033	0.011	0.039	0.000000	0.000000	2154.66	177.10
2	FID	ACIS-S-5	7.23	7361	-0.044	-0.016	0.011	0.024	0.000000	0.000000	-1811.45	170.73
3	GUIDE	504890688	9.19	14714	0.078	0.131	0.090	0.147	211.697686	53.837149	-744.14	-2264.17
4	GUIDE	504890776	9.27	14717	-0.031	-0.114	0.083	0.135	211.095934	54.816966	1636.02	629.41
5	GUIDE	504891480	8.06	14720	-0.081	-0.034	0.065	0.102	210.708012	54.666096	759.33	1049.34
6	GUIDE	504894856	8.98	14719	0.071	-0.121	0.082	0.132	209.819510	54.132689	-1833.86	1704.66
7	GUIDE	504894408	9.27	14713	-0.037	0.137	0.090	0.145	211.942794	54.047749	173.34	-2315.10

2.4 Star Slots

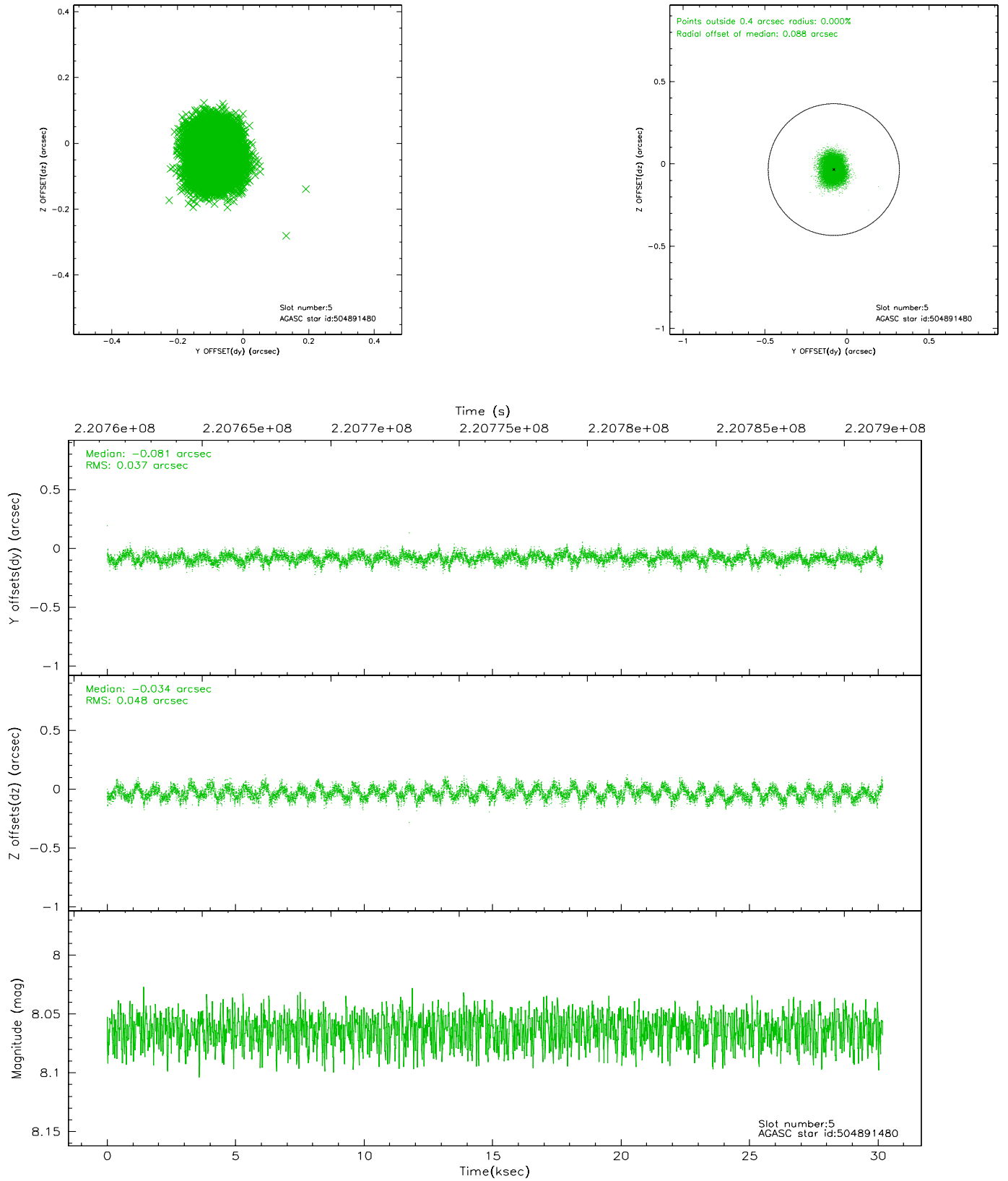
2.4.1 Slot 3



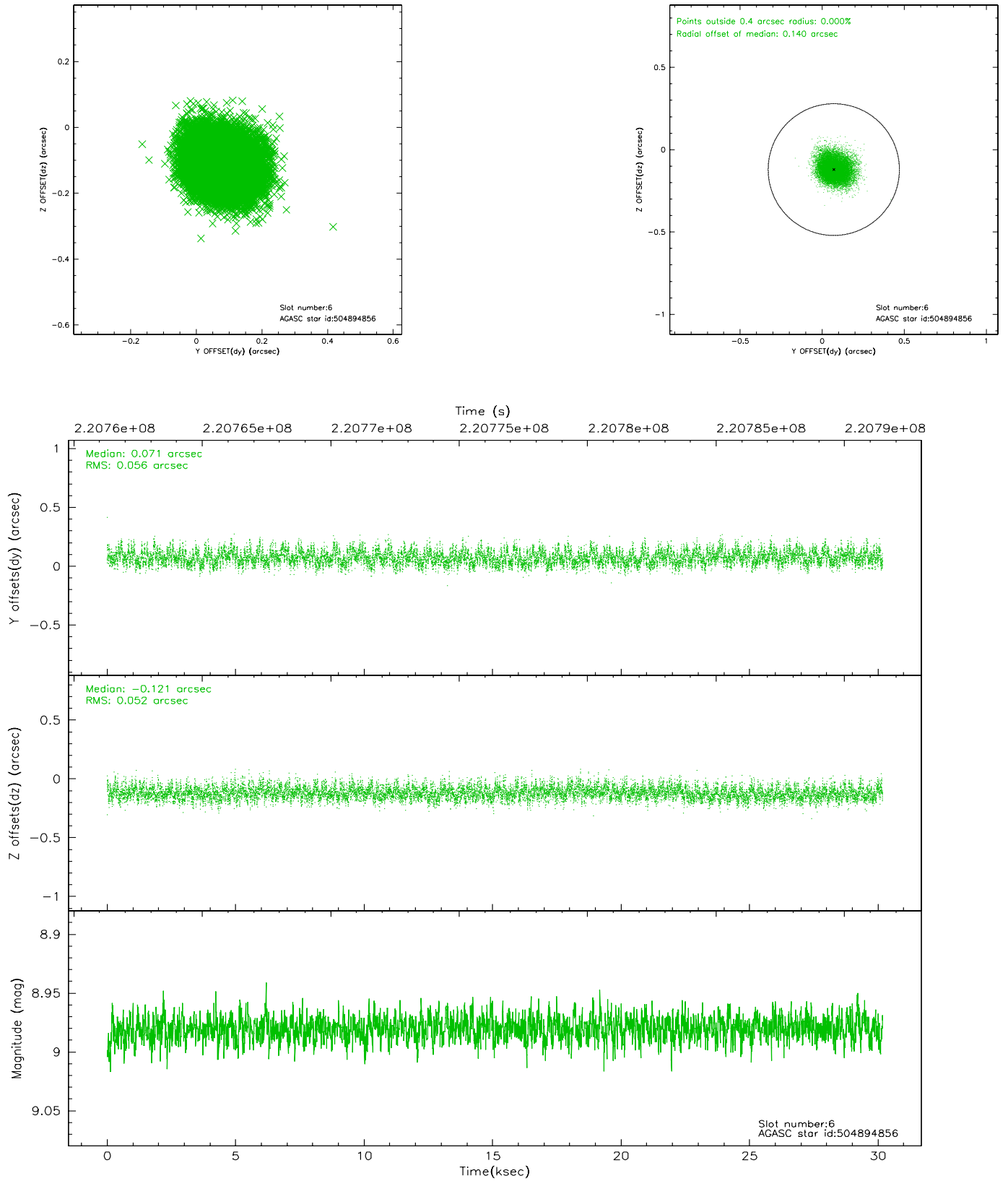
2.4.2 Slot 4



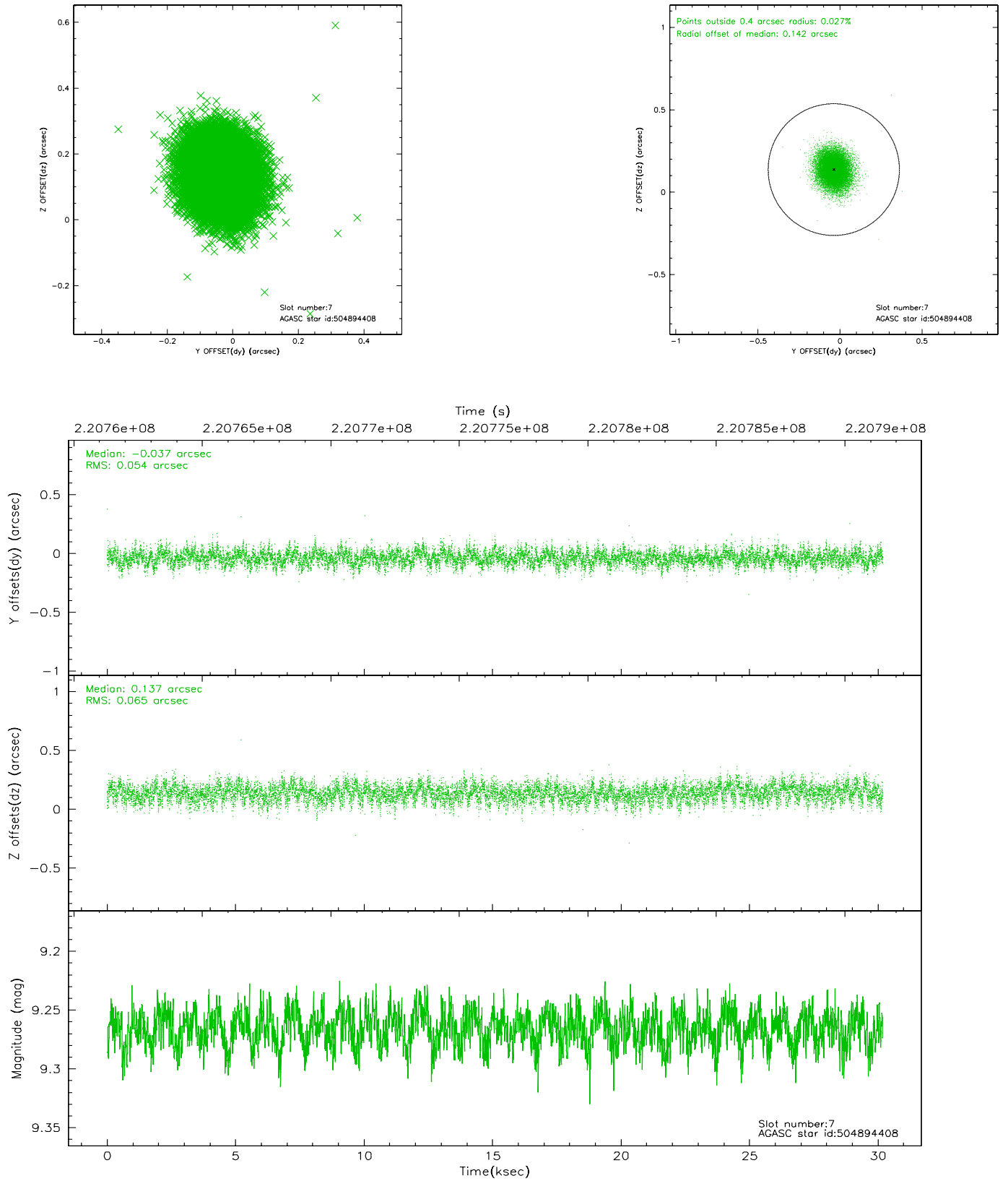
2.4.3 Slot 5



2.4.4 Slot 6

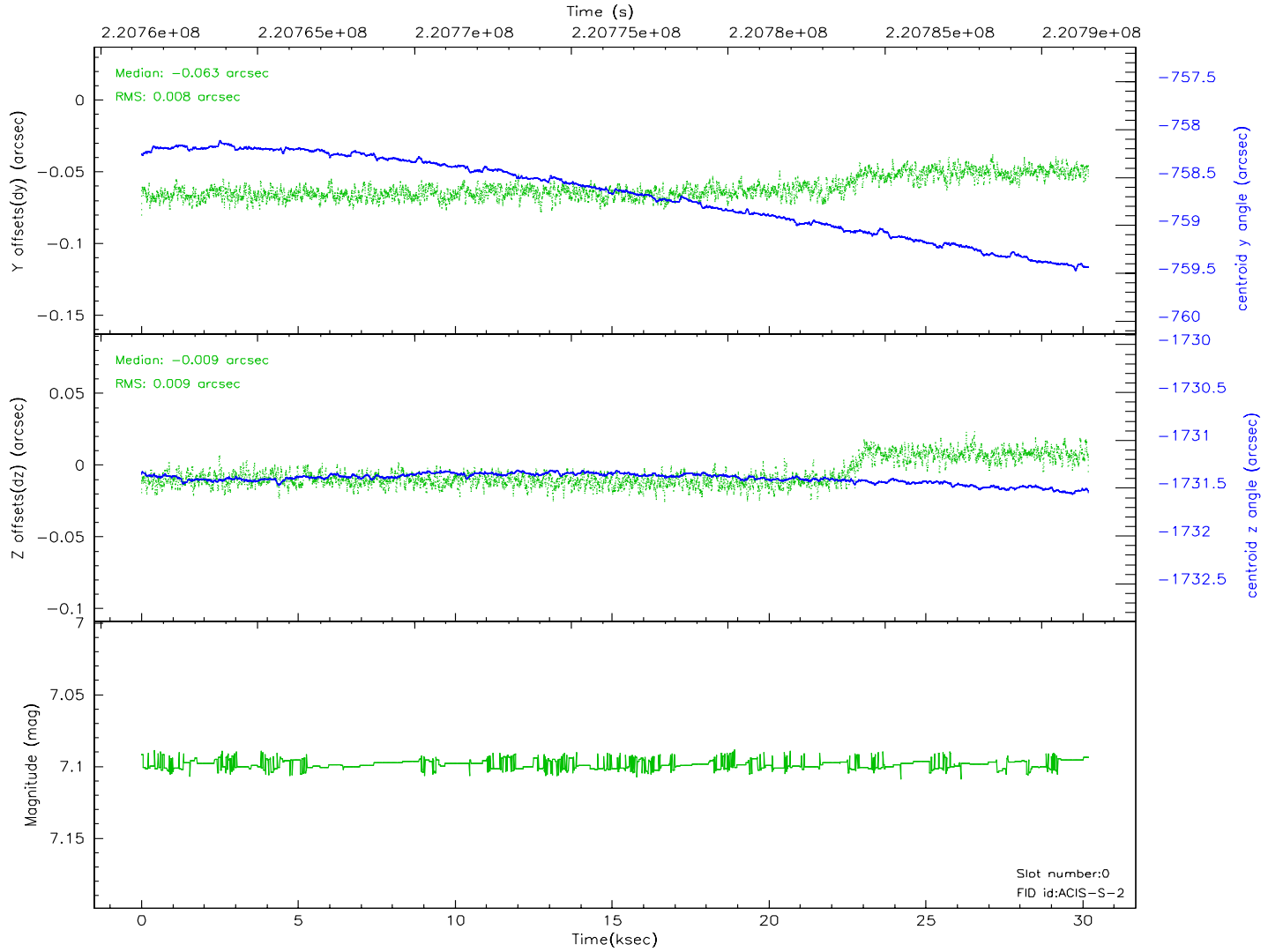
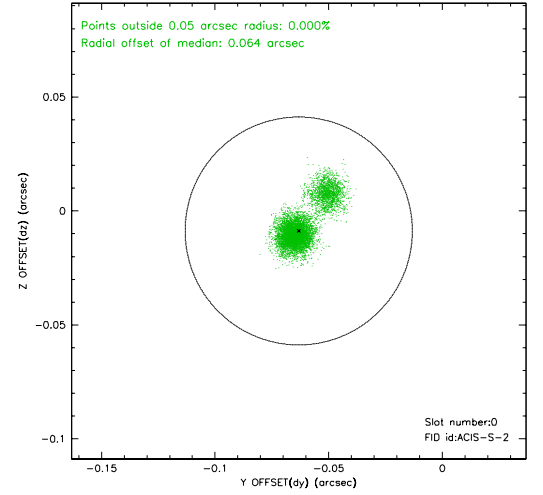
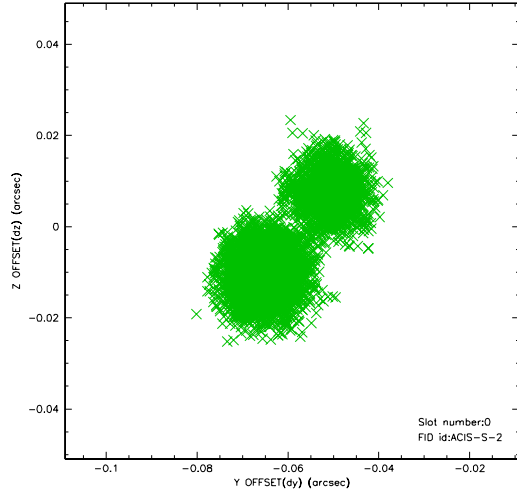


2.4.5 Slot 7

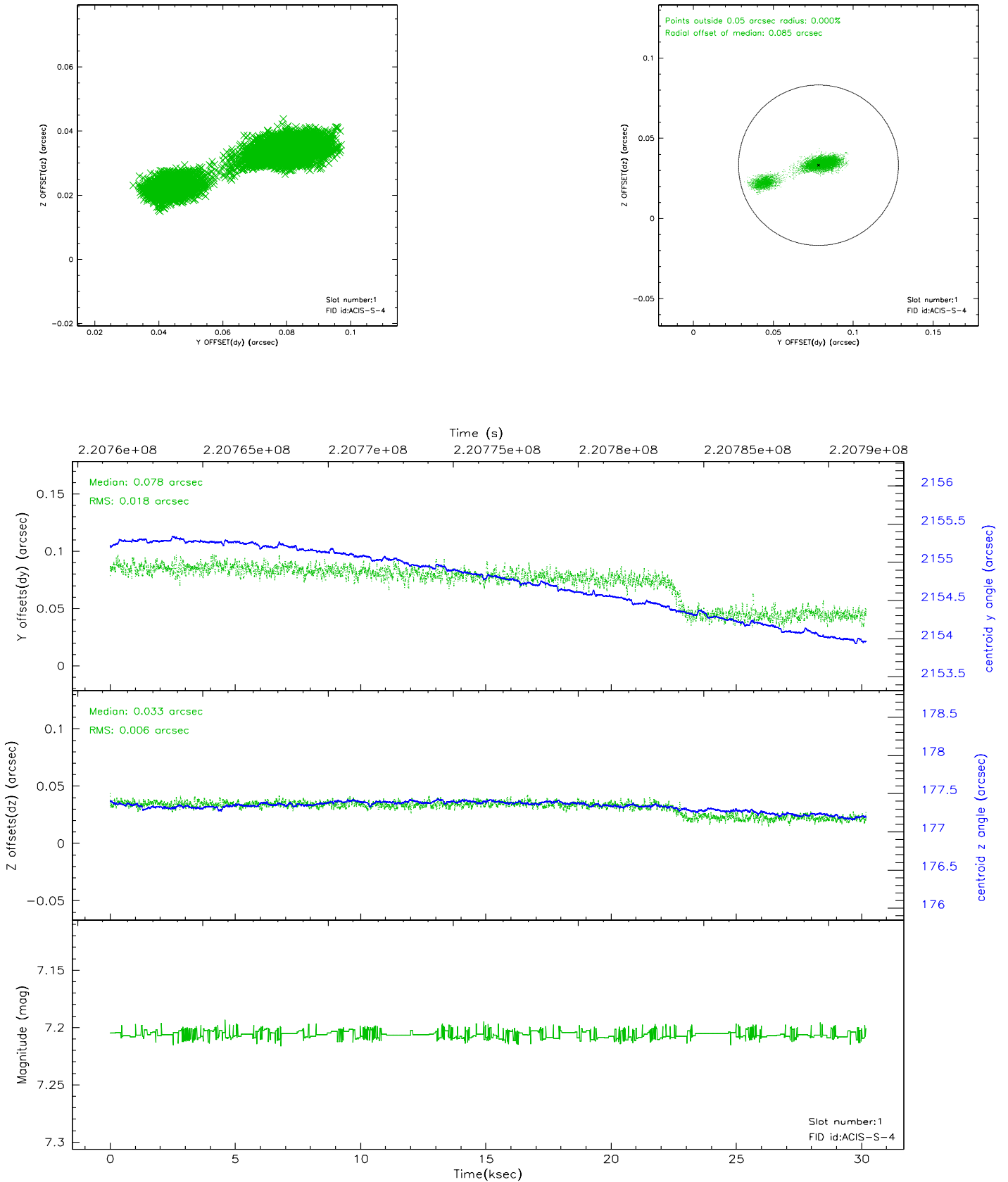


2.5 FID Slots

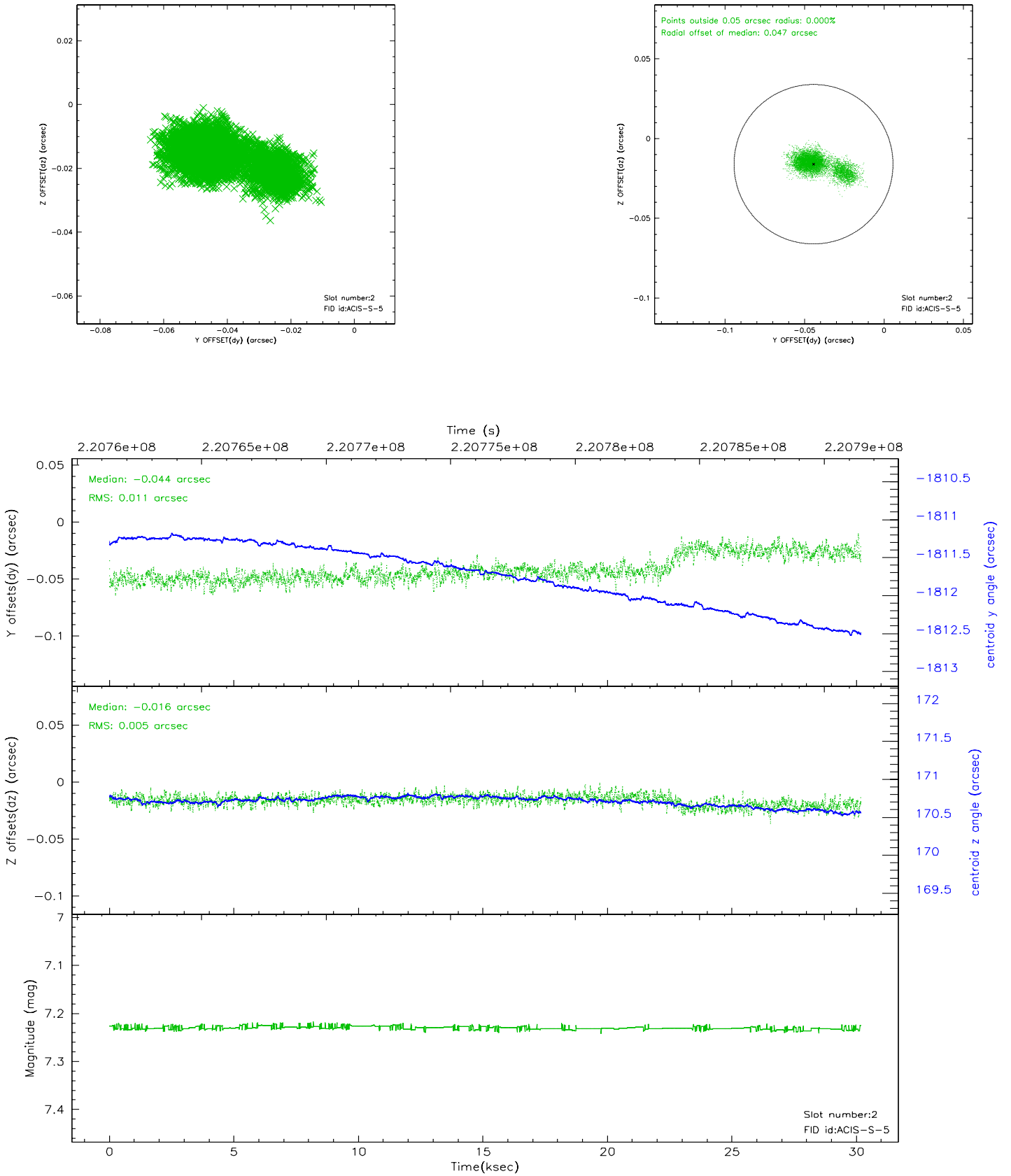
2.5.1 Slot 0



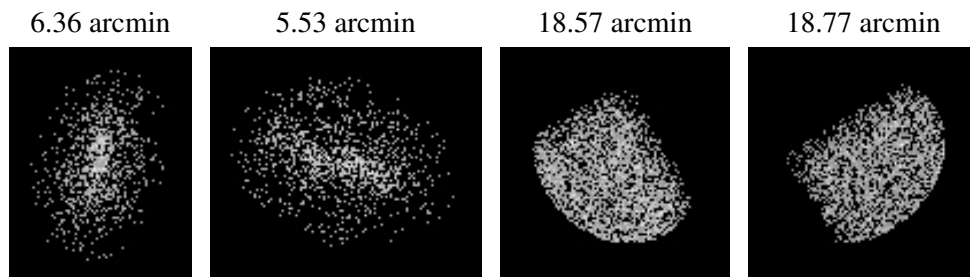
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.04.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.75359

A.2 Comments