

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4582 - L2 Version 001
Chandra X-Ray Center

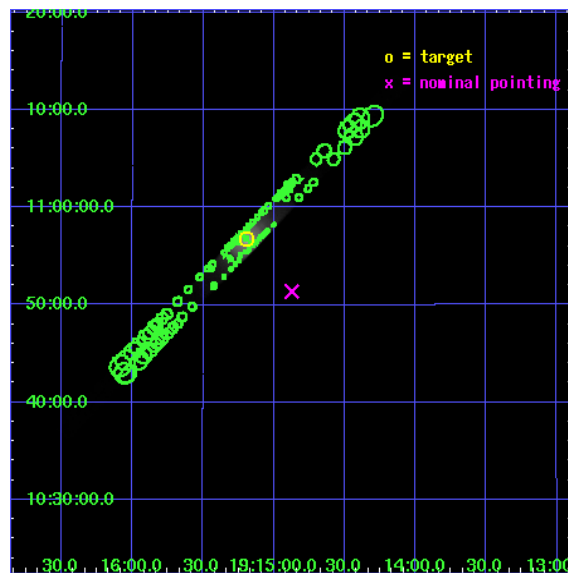
L2 Processing Date : Jun 23 2006

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1 Front

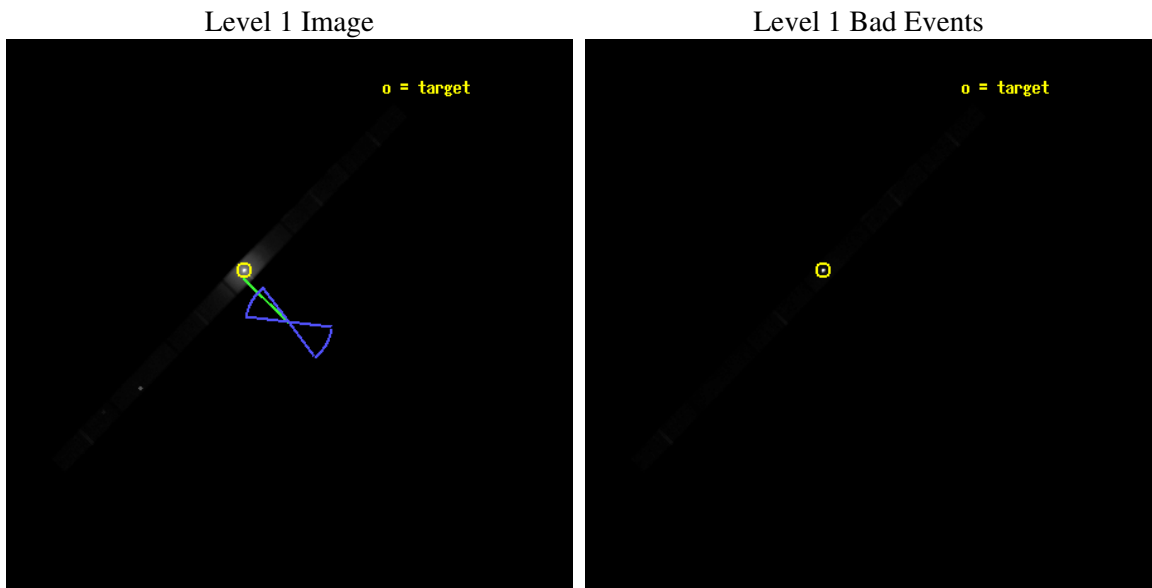
seq_num	400364
obs_id	4582
title	Resolving X-ray Jets in GRS 1915+105 with Chandra
observer	Dr Jon Miller
object	GRS 1915+105
dtcycle	0
cycle	P
ra_targ	288.797917
dec_targ	10.945556
ra_nom	288.71822862628
dec_nom	10.856287797917
roll_nom	314.33047821889
revision	2
ontime	30061.899837106
livetime	28980.657839179
ontime4	30061.899837106
ontime5	30061.899837106
ontime6	30061.899837106
ontime7	30061.899837106
ontime8	30061.899837106
ontime9	30061.899837106
l2events	2039760



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-23T19:07:48
revision	2

sched_exp_time	30000.000000
ontime	30936.638691545
ontime4	30936.638691545
ontime5	30936.638691545
ontime6	30936.638691545
ontime7	30936.638691545
ontime8	30936.638691545
ontime9	30936.638691545
l1events	3216474

2.1.3 Events

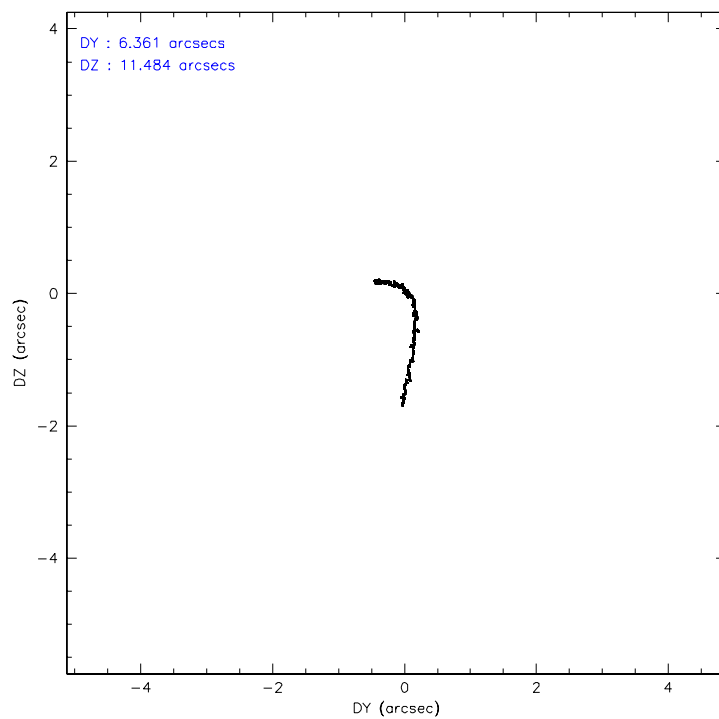
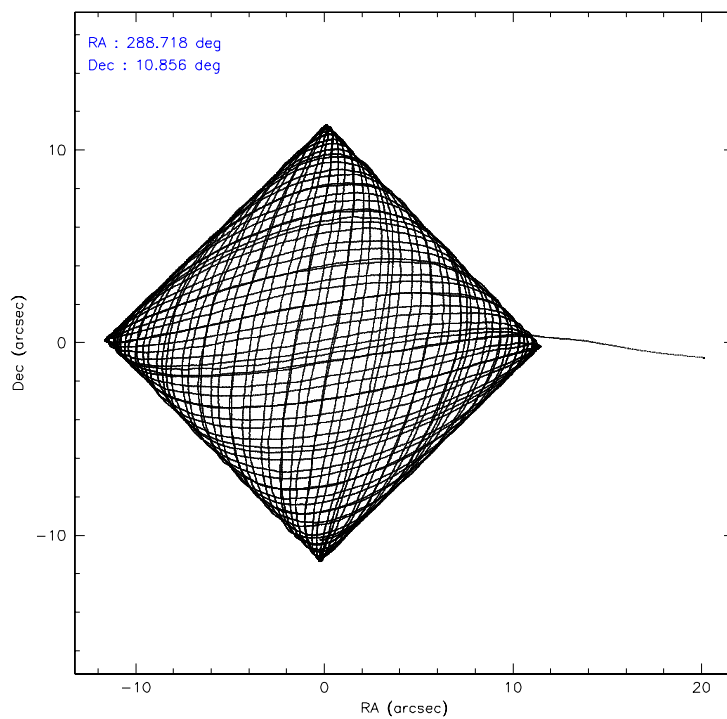
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	68771	104284	142271	2741869	98223	61056
rejected events	58193	44826	53914	831702	64266	50515
rejected %	84%	42%	37%	30%	65%	82%

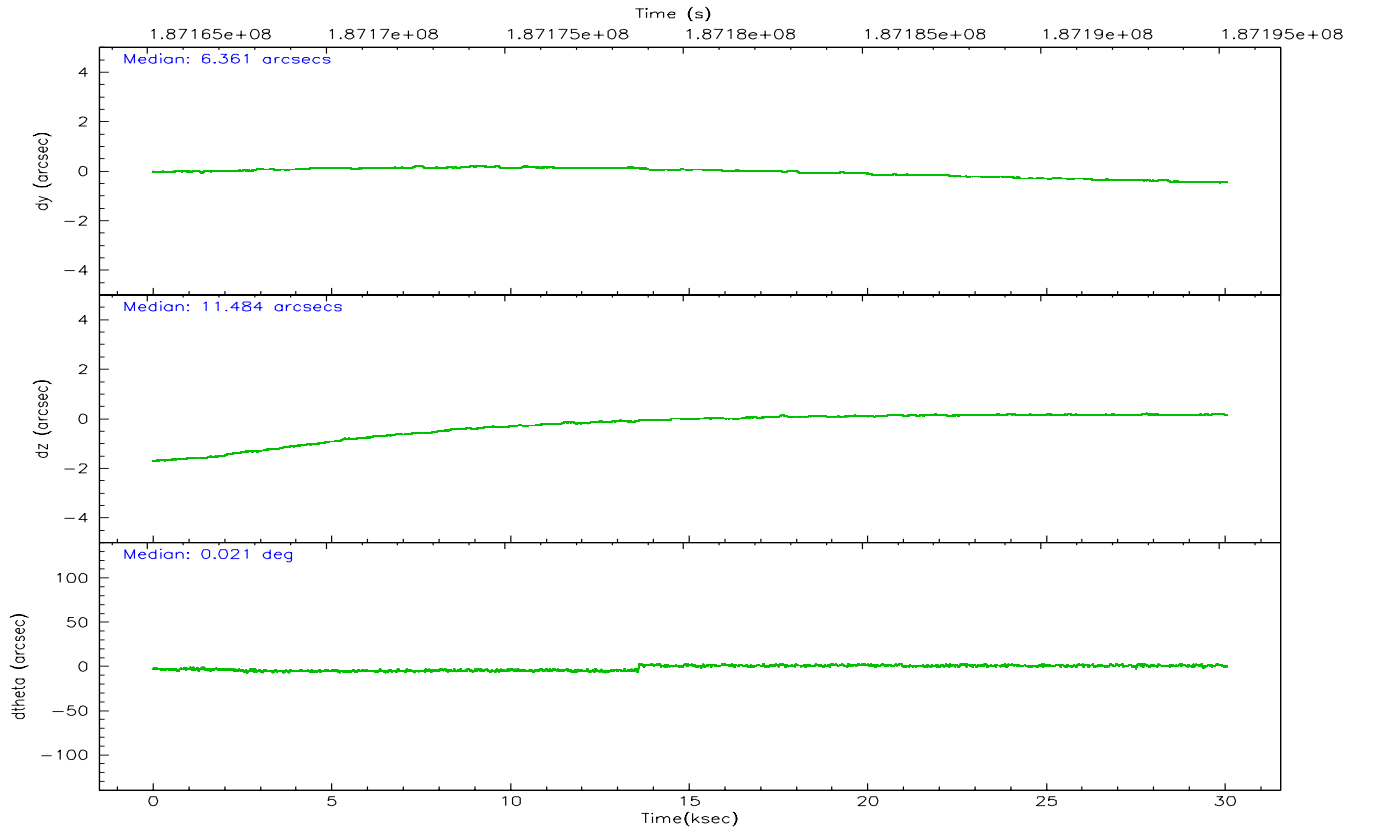
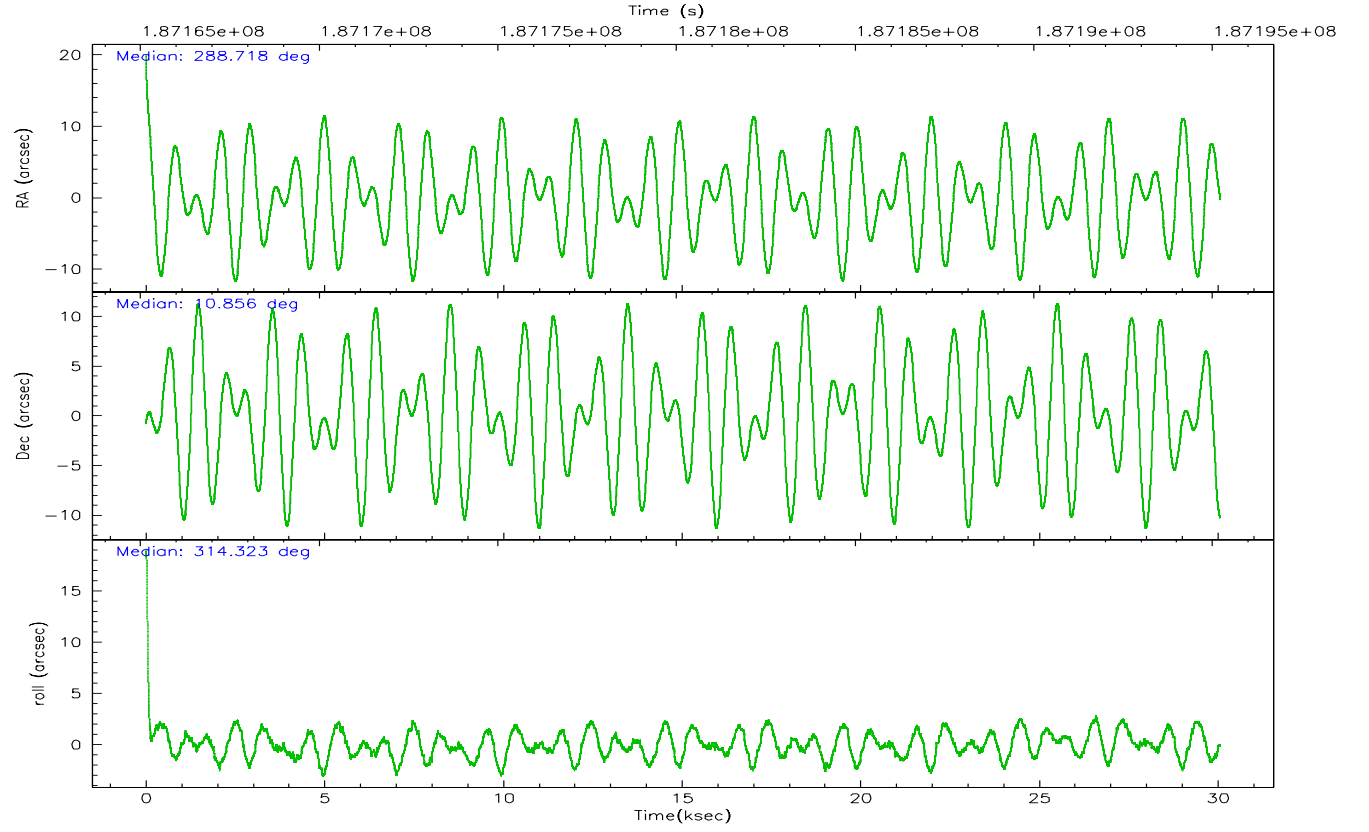
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	5852	26162	65642	304080	20083	6002
	8%	25%	46%	11%	20%	9%
grade 1 events	38	68	122	20598	44	22
	0%	0%	0%	0%	0%	0%
grade 2 events	4216	14269	14048	505770	7178	3662
	6%	13%	9%	18%	7%	5%
grade 3 events	963	1573	3898	187087	2576	1097
	1%	1%	2%	6%	2%	1%
grade 4 events	859	1391	3945	179529	2539	1039
	1%	1%	2%	6%	2%	1%
grade 5 events	1554	3793	2030	103448	2567	1979
	2%	3%	1%	3%	2%	3%
grade 6 events	2187	20511	5179	748759	5575	2257
	3%	19%	3%	27%	5%	3%
grade 7 events	53102	36517	47407	692598	57661	44998
	77%	35%	33%	25%	58%	73%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	6	6
Detector	ACIS-456789	ACIS-456789	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	GRADED	GRADED	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	1/4	1/4
Pointing RA	288.691435	288.7182286262794	Subarray start row	0	385
Pointing Dec	10.863272	10.85628779791687	Subarray row count	1024	256
Pointing Roll	314.178889	314.3304782188924	Alternating exposures requested	N	N
Roll angle	120.000000	120.000000	Primary exposure time	0.000000	1.1
Roll tolerance	23.000000	23.000000			
Roll constraint allows 180D rotation	Y	Y			
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.09952569084879603			
SIM translation stage pos (mm)	-210.632523	-210.636764388189			
SIM translation stage offset (mm)	20.5	-22.95568861474067			
Observation start time	187165211.184000	187164095.83005			
Observation start date	2003-12-07T06:19:07	2003-12-07T06:01:35			
Observation end time	187195211.184000	187197093.14398			
Observation end date	2003-12-07T14:39:07	2003-12-07T15:11:33			
Read mode	TIMED	TIMED			

2.3 Aspect



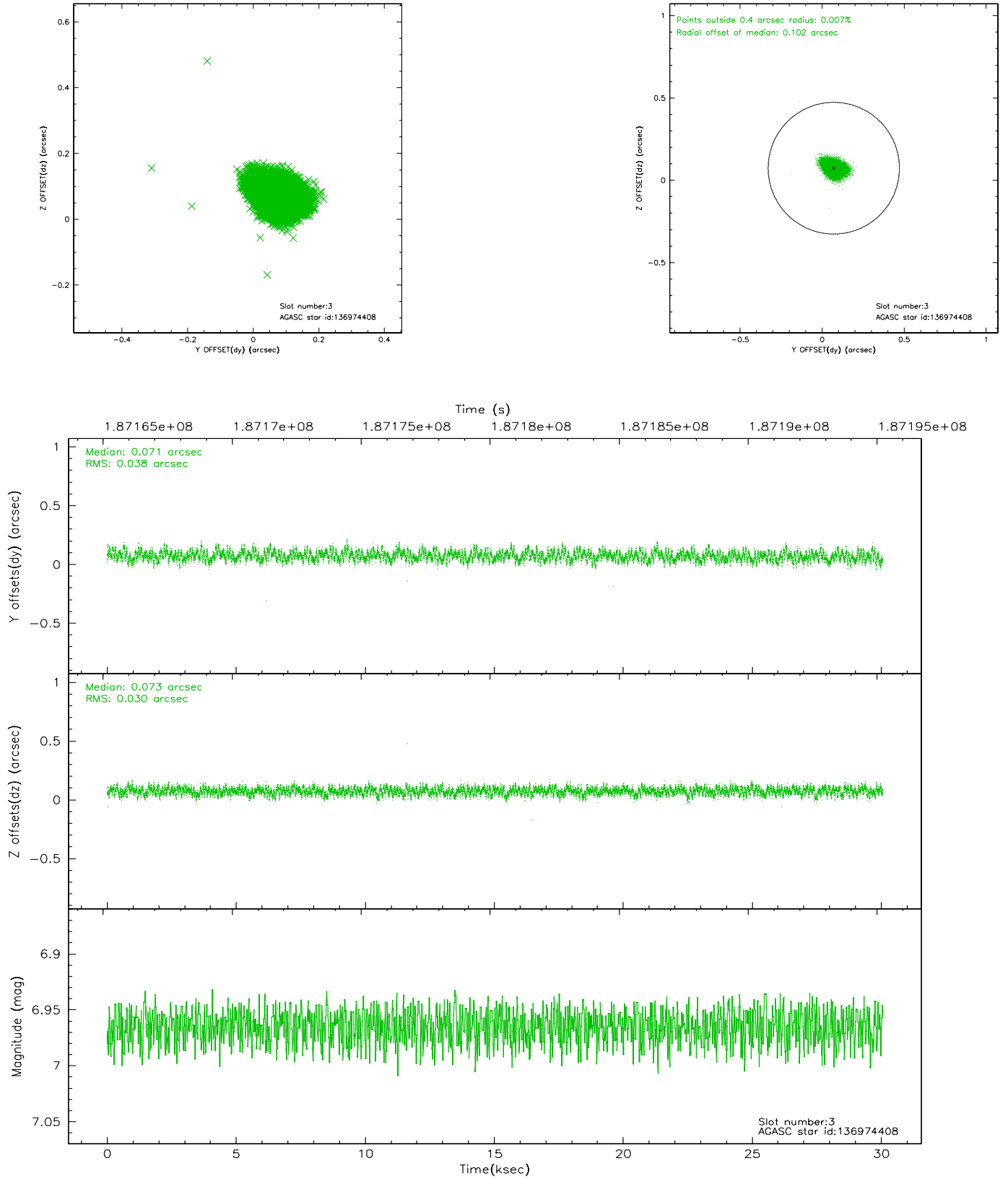


Slot Statistics

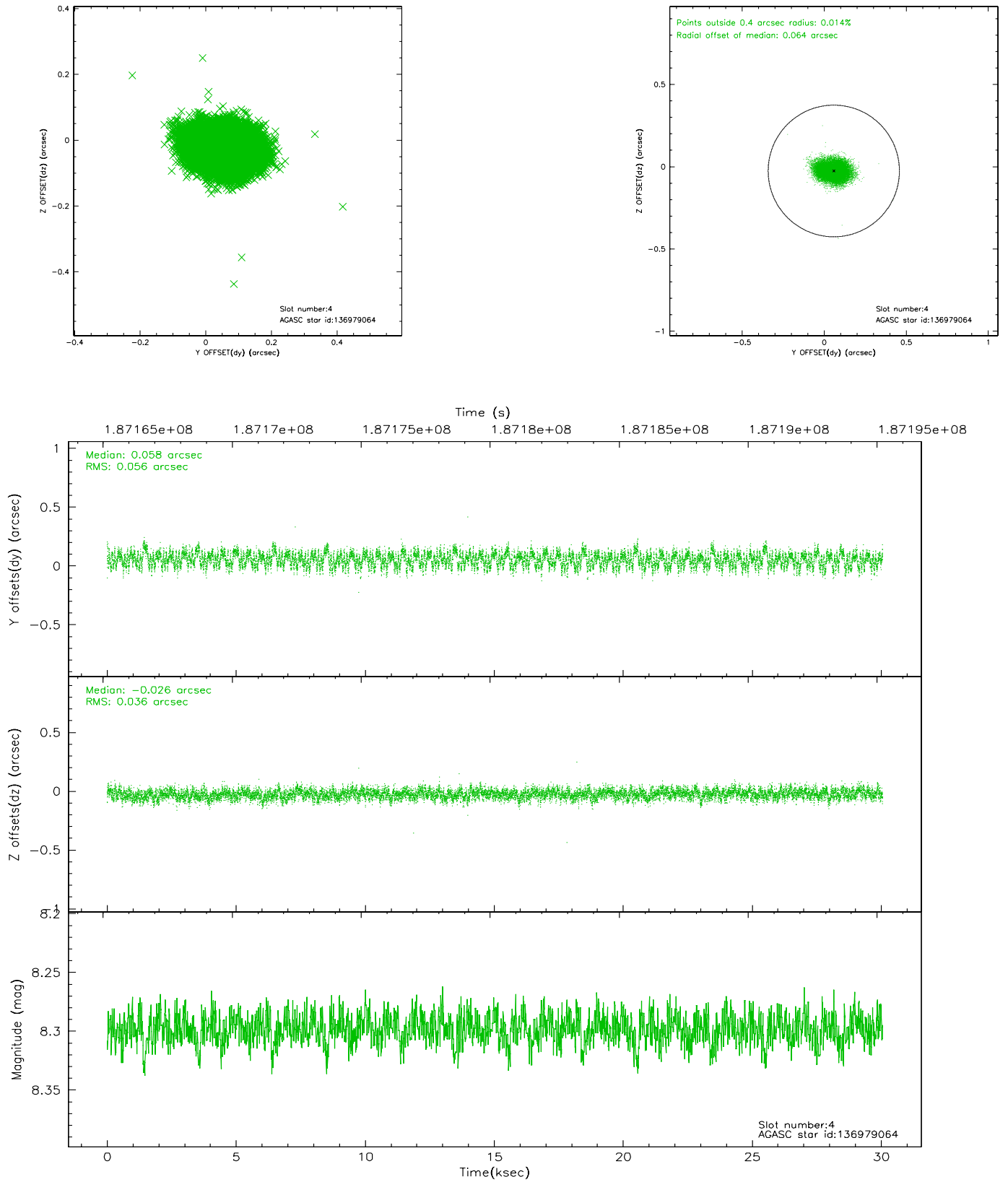
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-2	7.17	7333	-0.048	-0.025	0.018	0.033	0.000000	0.000000	-760.17	-1310.00
1	FID	ACIS-I-4	7.20	7333	0.026	0.029	0.018	0.033	0.000000	0.000000	2153.30	597.17
2	OMITTED		0.00	0	0.000	0.000	0.000	0.000	0.000000	0.000000	0.00	0.00
3	GUIDE	136974408	6.96	14664	0.071	0.073	0.051	0.083	288.806802	10.212409	1965.67	-1339.15
4	GUIDE	136979064	8.30	14664	0.058	-0.026	0.071	0.113	288.570676	10.073188	1742.23	-2288.78
5	GUIDE	137497048	7.98	14665	0.052	-0.036	0.068	0.115	288.896055	11.554718	-1281.38	2252.49
6	GUIDE	137498872	7.05	14603	-0.052	-0.053	0.050	0.080	288.350862	11.344926	-2081.65	346.80
7	GUIDE	136971792	7.81	14665	-0.133	0.045	0.062	0.097	287.875355	10.894240	-2092.88	-1988.70

2.4 Star Slots

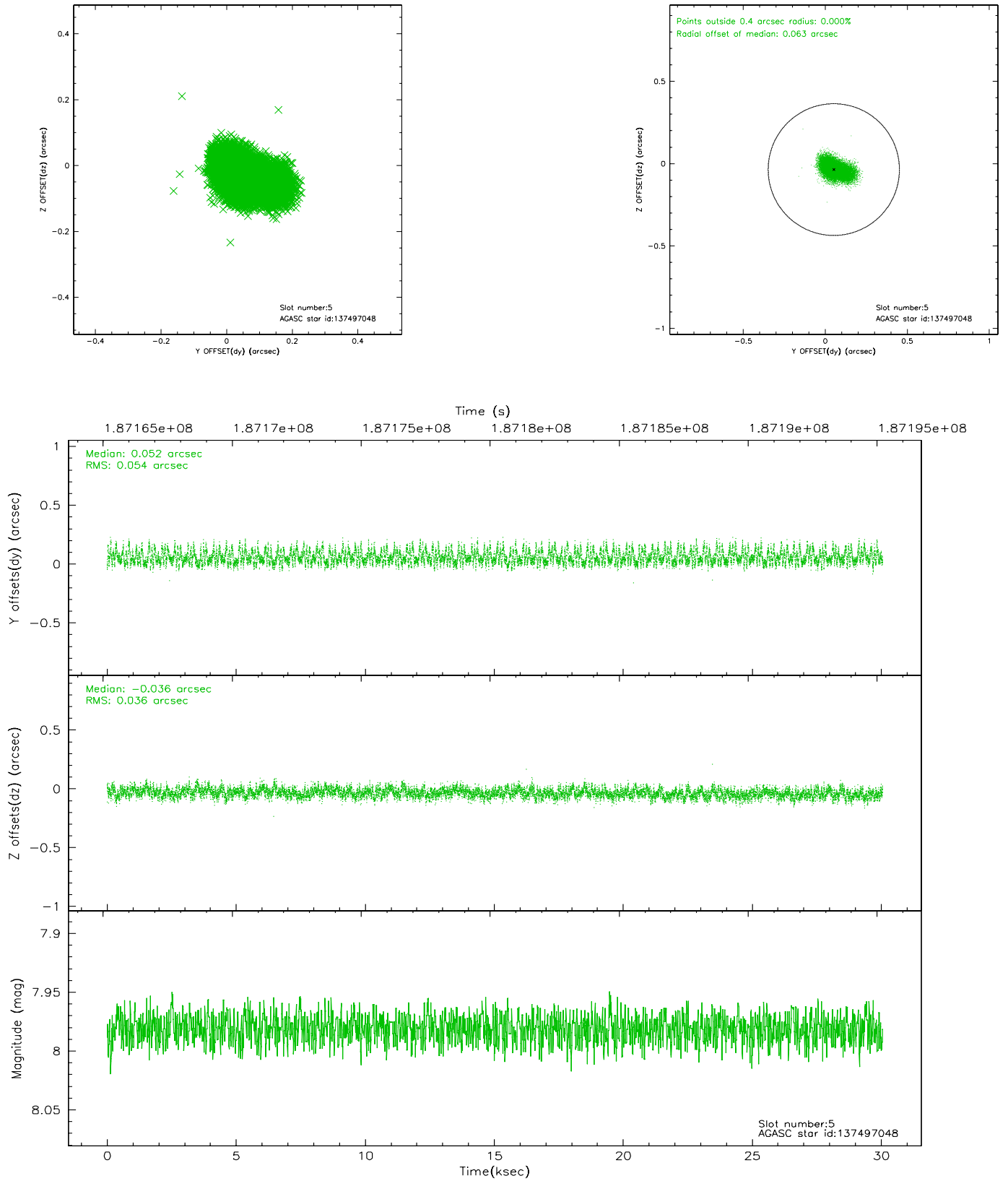
2.4.1 Slot 3



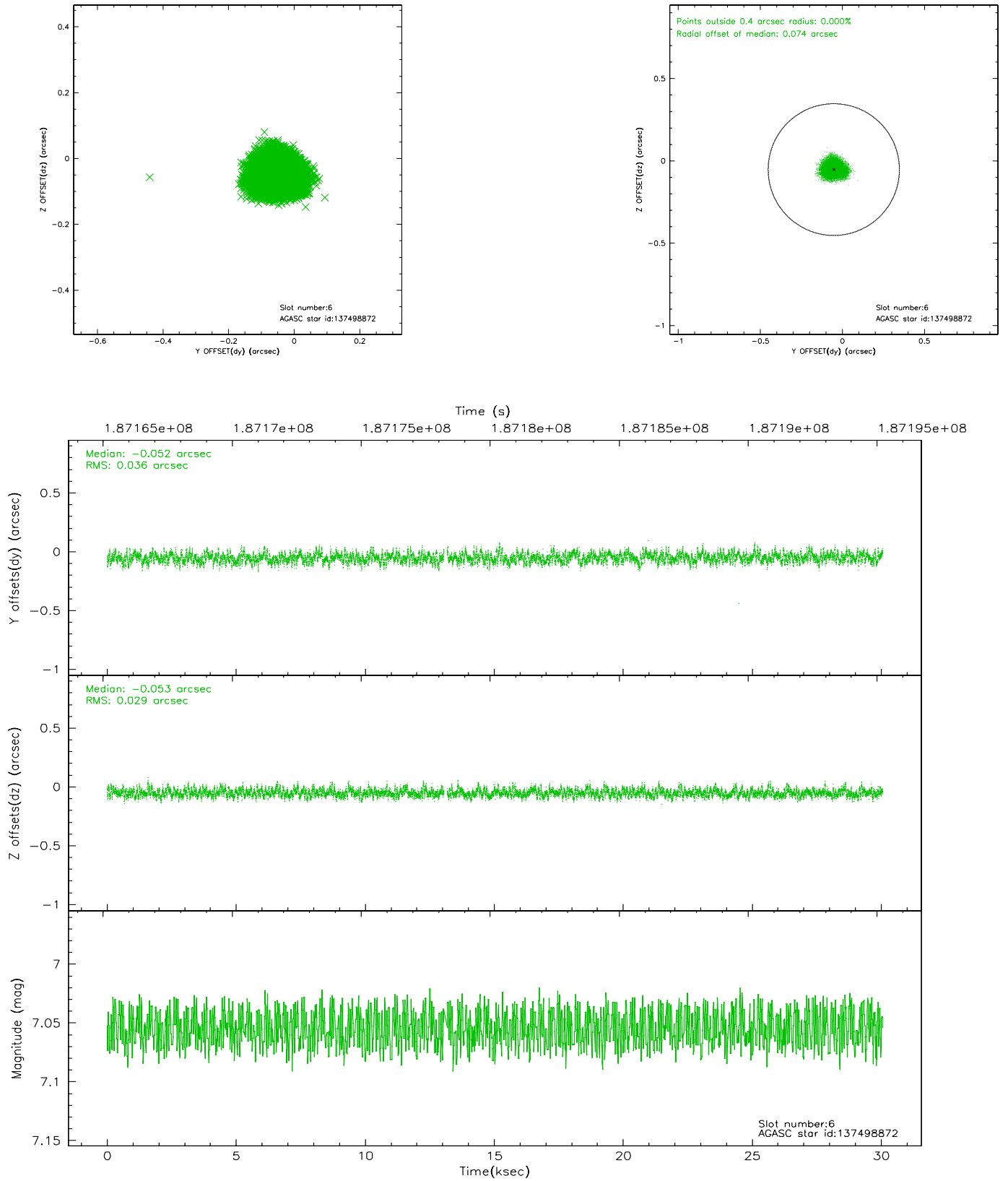
2.4.2 Slot 4



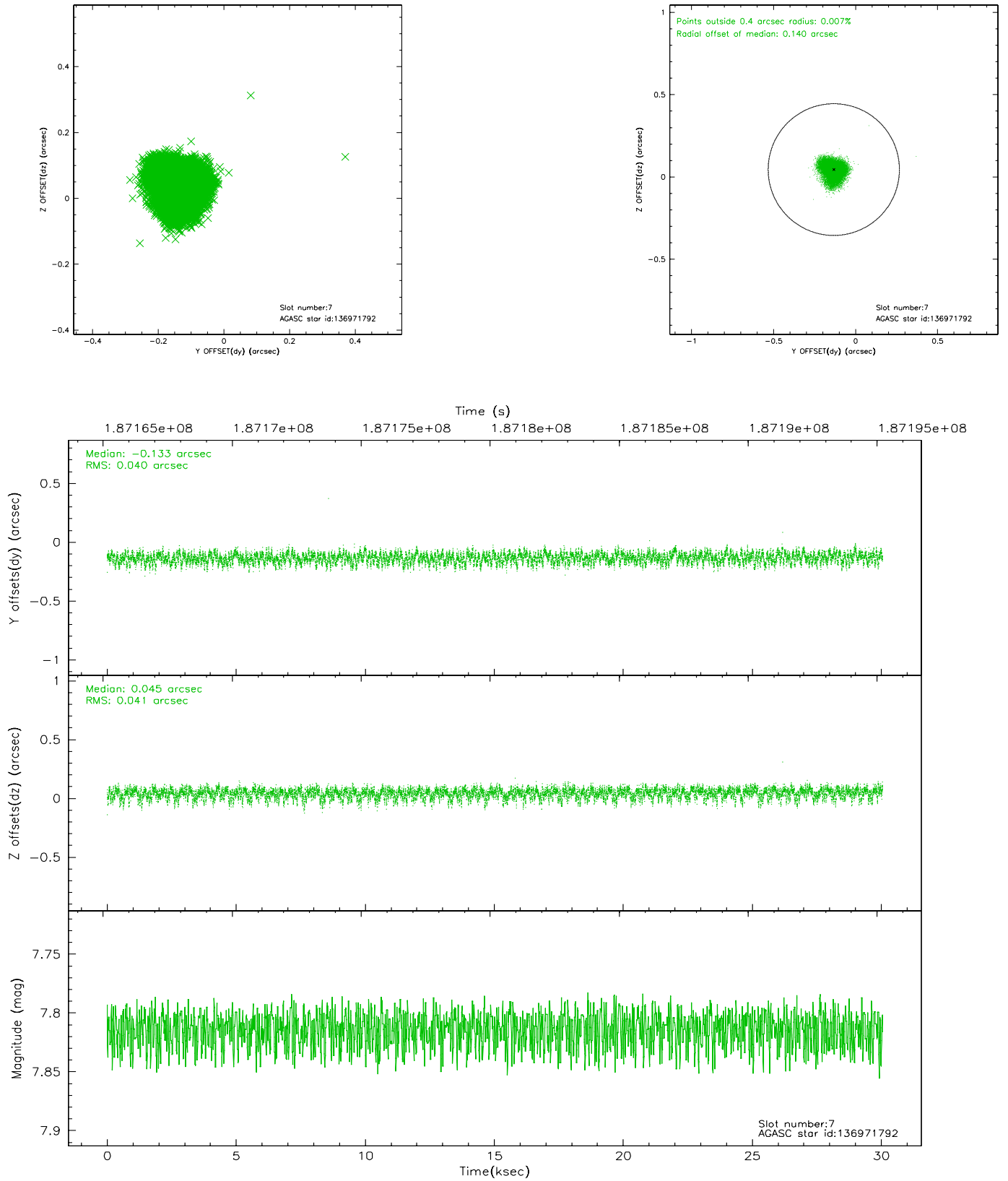
2.4.3 Slot 5



2.4.4 Slot 6

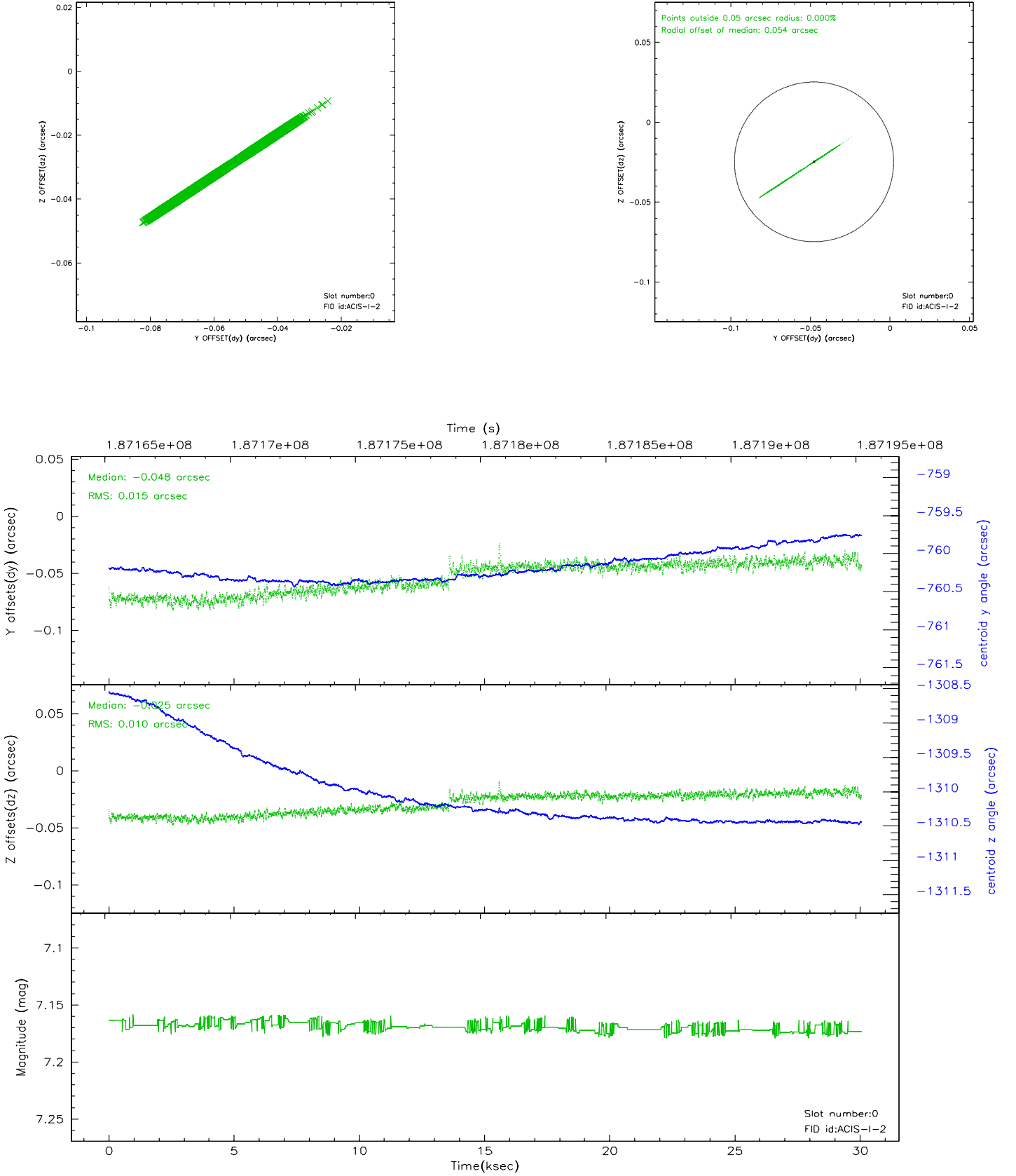


2.4.5 Slot 7

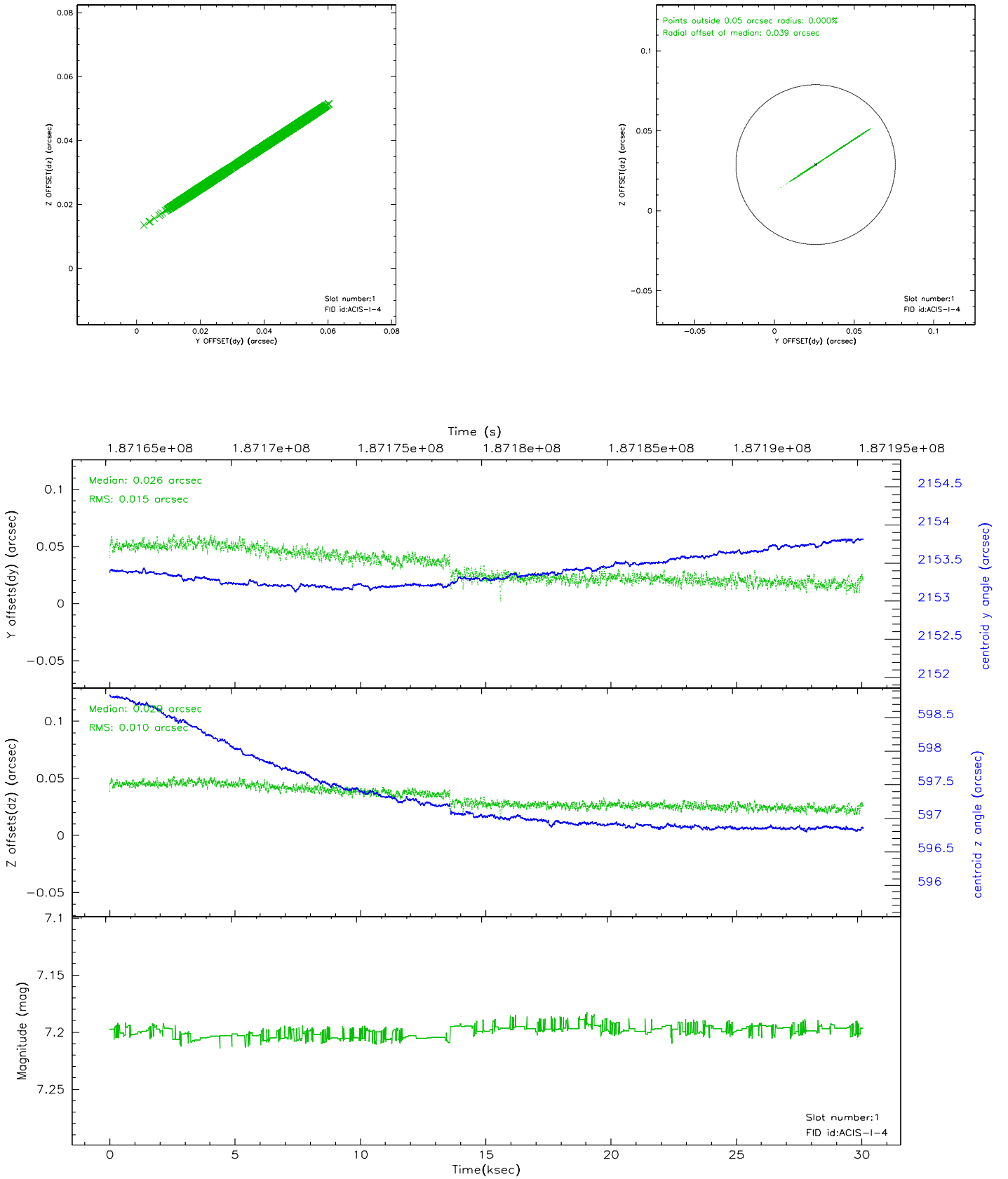


2.5 FID Slots

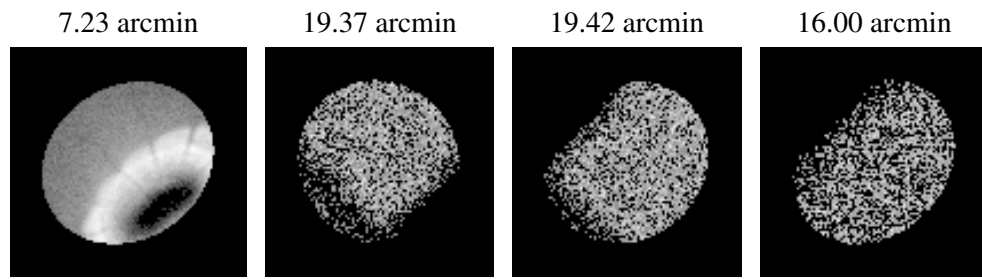
2.5.1 Slot 0



2.5.2 Slot 1



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2010.10.04
V&V Edition	2
V&V Disposition and Status	OK
V&V Charge Time	30.061

A.2 Comments

The fid light in slot 2 was manually excluded from the processing due to poor data quality.
Roll preference met.