

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 109 - L2 Version 001
Chandra X-Ray Center

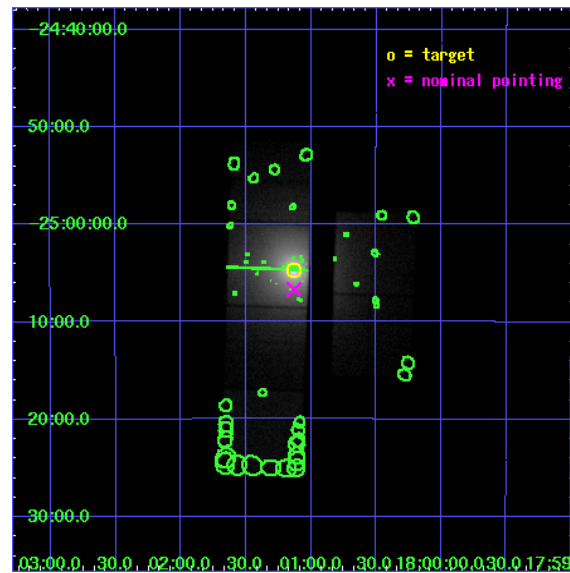
L2 Processing Date : Jun 2 2007

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1 Front

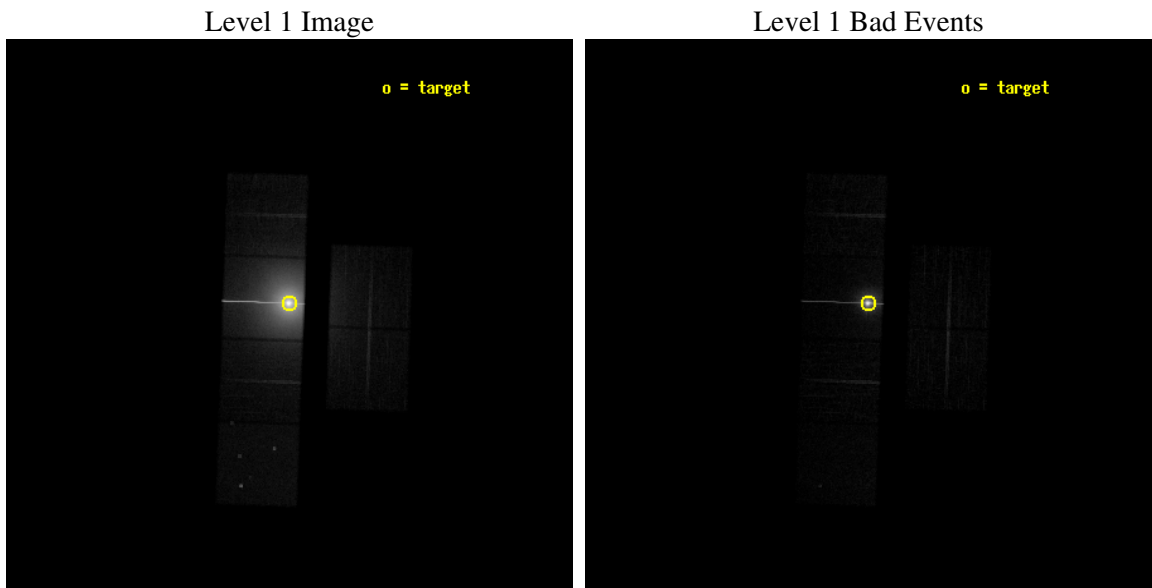
seq_num	400022
obs_id	109
title	X-RAY SCATTERING HALO
observer	Dr. Peter Predehl
object	GX 5-1
dtcycle	0
cycle	P
ra_targ	270.28375
dec_targ	-25.07778
ra_nom	270.28298465494
dec_nom	-25.111553034335
roll_nom	271.99654680377
revision	4
ontime	6953.600006476
livetime	6865.5493362388
ontime2	6953.600006476
ontime3	6953.600006476
ontime5	6953.600006476
ontime6	6953.600006476
ontime7	6953.600006476
ontime8	6953.600006476
l2events	1459520



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-02T04:31:31
revision	4

sched_exp_time	7000.000000
ontime	6953.600006476
ontime2	6953.600006476
ontime3	6953.600006476
ontime5	6953.600006476
ontime6	6953.600006476
ontime7	6953.600006476
ontime8	6953.600006476
llevents	1888617

2.1.3 Events

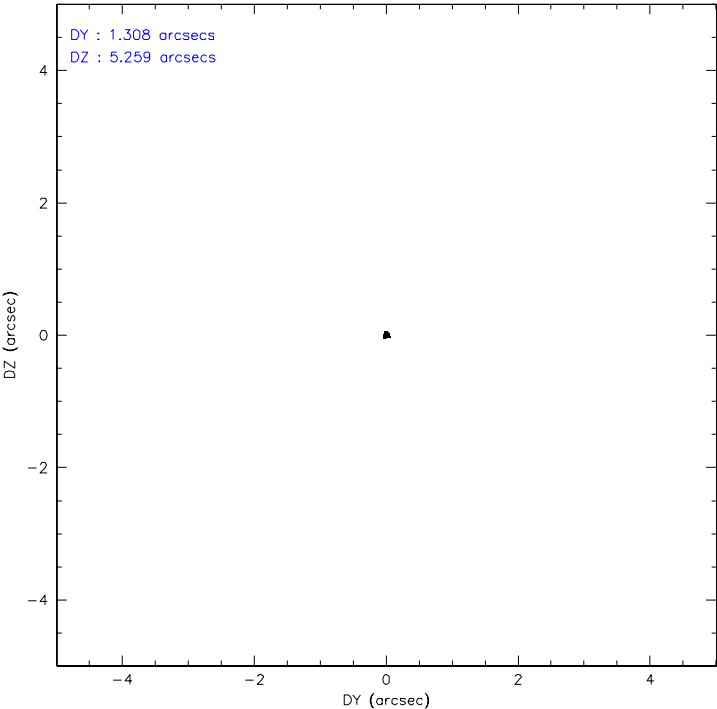
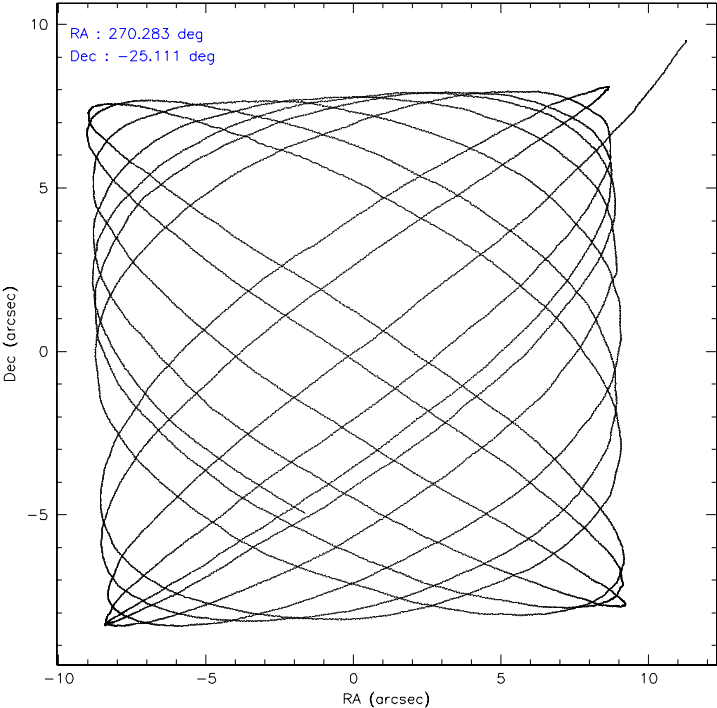
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	67069	86056	61773	90767	1495083	87869
rejected events	37007	35875	29945	35732	210698	39828
rejected %	55%	41%	48%	39%	14%	45%

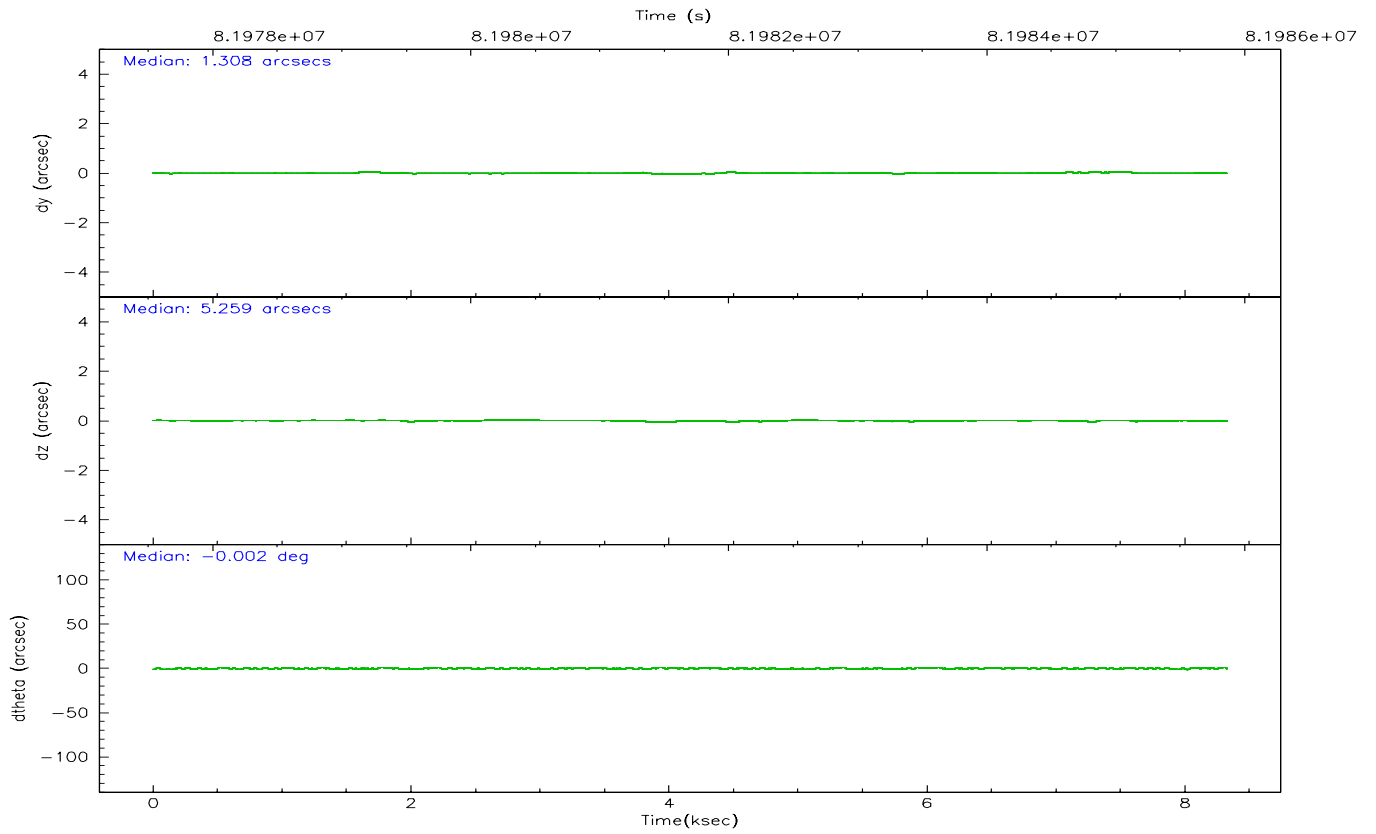
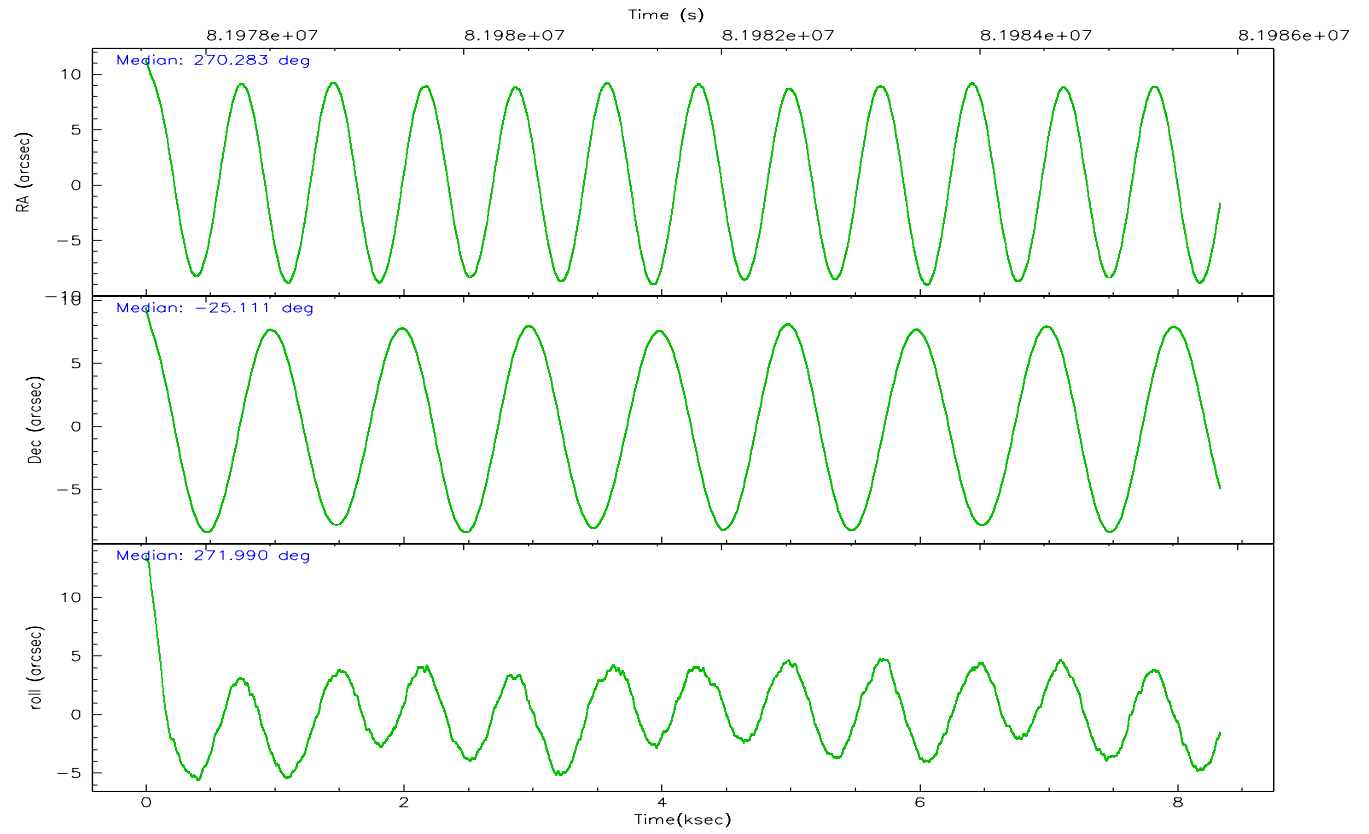
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	20158	35258	4630	37526	173626	30932
	30%	40%	7%	41%	11%	35%
grade 1 events	62	135	257	133	4454	116
	0%	0%	0%	0%	0%	0%
grade 2 events	5014	7521	10310	9192	399359	7597
	7%	8%	16%	10%	26%	8%
grade 3 events	1358	2177	922	2242	100923	2632
	2%	2%	1%	2%	6%	2%
grade 4 events	1356	2205	892	2388	99112	2583
	2%	2%	1%	2%	6%	2%
grade 5 events	1323	1416	2702	1528	35303	1897
	1%	1%	4%	1%	2%	2%
grade 6 events	2207	3061	15096	3724	512583	4334
	3%	3%	24%	4%	34%	4%
grade 7 events	35591	34283	26964	34034	169723	37778
	53%	39%	43%	37%	11%	42%

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	GRADED	GRADED	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	270.266818	270.2829846549437	Subarray requested	NONE	NONE
Pointing Dec	-25.088437	-25.11155303433456	Alternating exposures requested	N	N
Pointing Roll	271.833054	271.9965468037671	Primary exposure time	3.200000	3.2
SIM focus pos (mm)	-0.684267	-0.6828225247311905			
SIM defocus (mm)	0	0.001444936568705701			
SIM translation stage pos (mm)	-198.132523	-198.1255314476265			
SIM translation stage offset (mm)	8	7.993008864618645			
Observation start time	81978723.184000	81977172.970079			
Observation start date	2000-08-06T19:50:59	2000-08-06T19:26:12			
Observation end time	81985723.184000	81986589.13293			
Observation end date	2000-08-06T21:47:39	2000-08-06T22:03:09			
Read mode	TIMED	TIMED			

2.3 Aspect



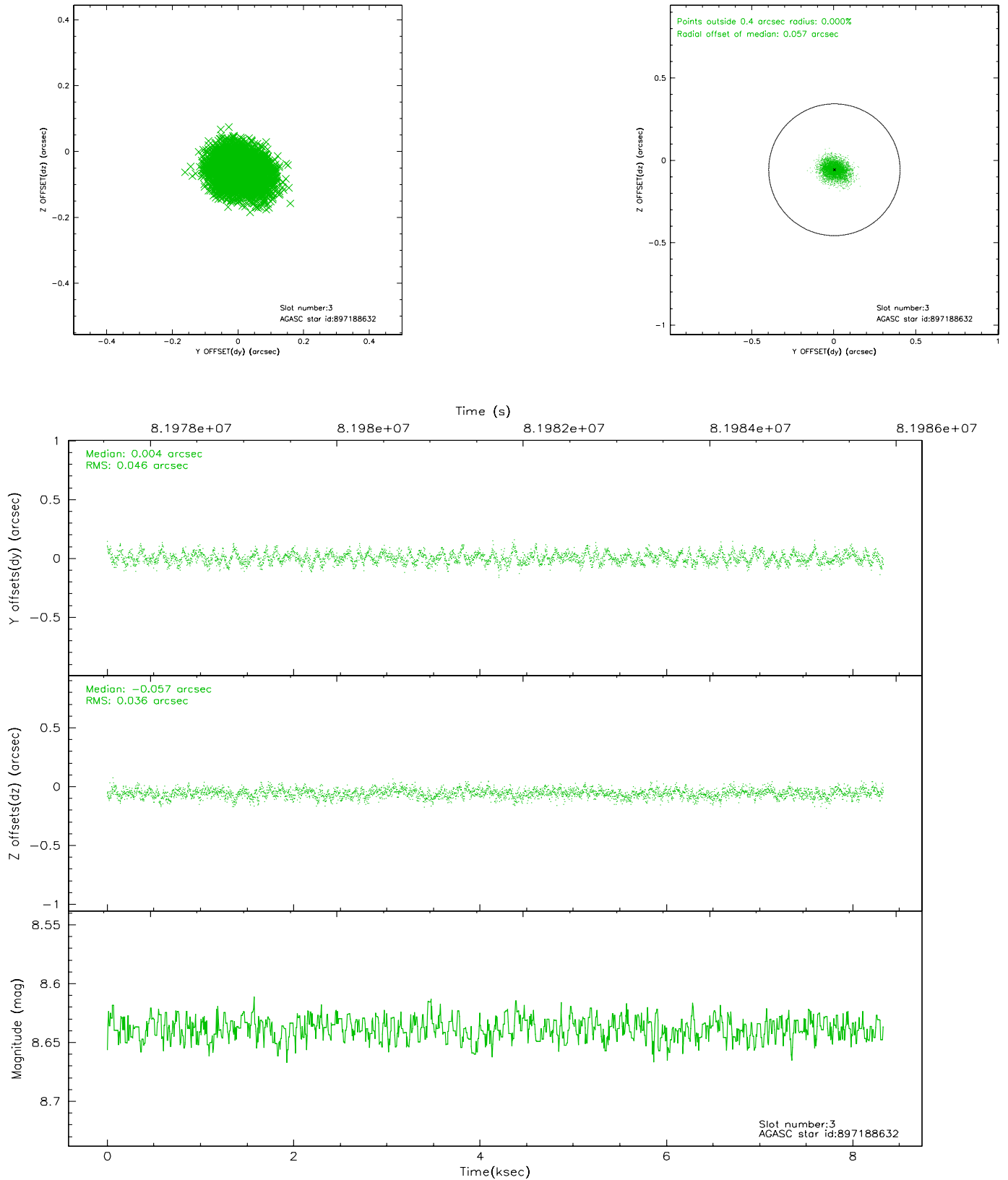


Slot Statistics

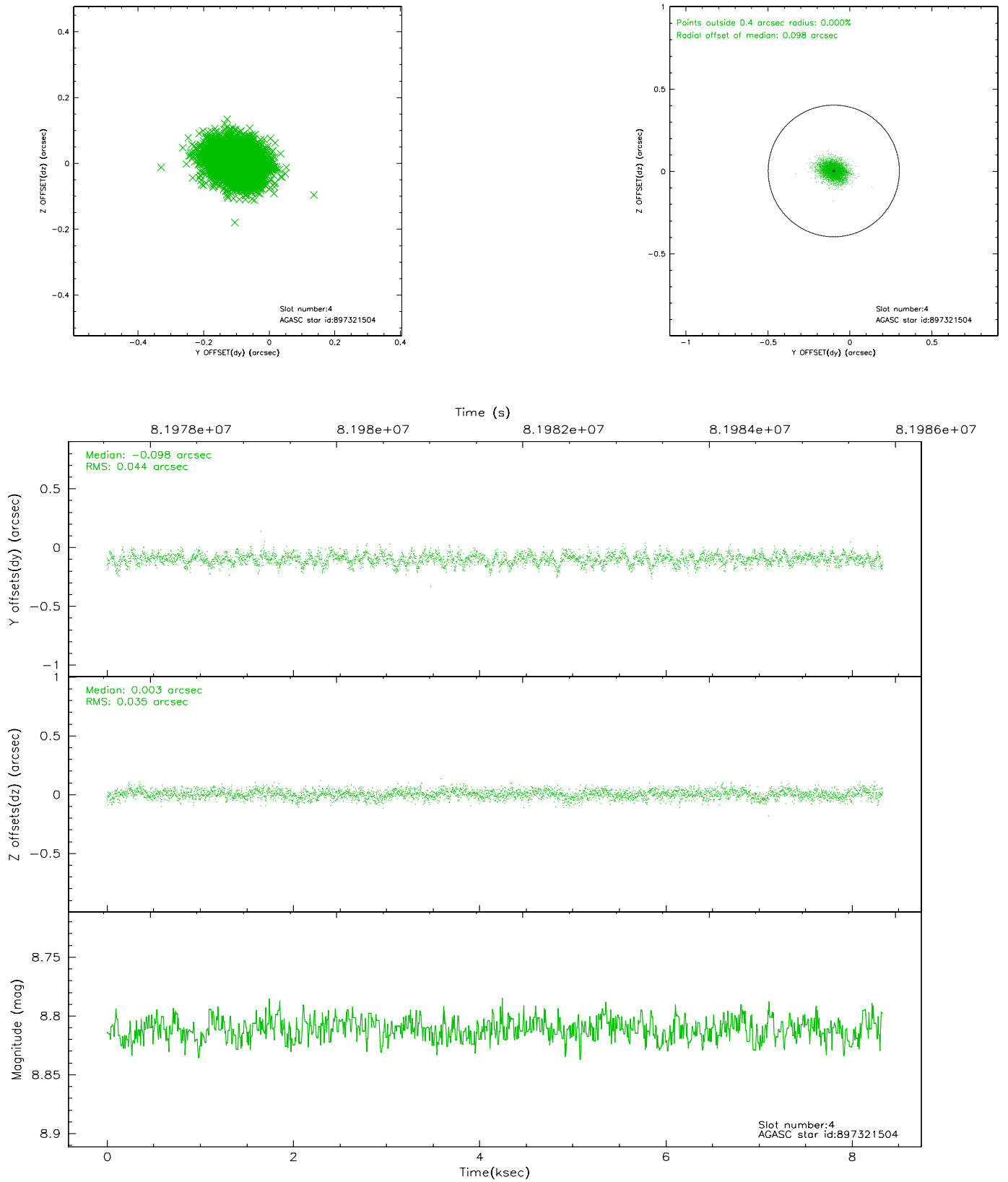
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.13	2032	0.063	0.135	0.007	0.011	0.000000	0.000000	-754.40	-1561.52
1	FID	ACIS-S-4	7.24	2032	-0.085	-0.066	0.005	0.010	0.000000	0.000000	2158.51	346.05
2	FID	ACIS-S-5	7.23	2032	-0.009	-0.059	0.007	0.012	0.000000	0.000000	-1806.37	340.65
3	GUIDE	897188632	8.64	4063	0.004	-0.057	0.062	0.101	269.725883	-25.281908	644.89	-1782.05
4	GUIDE	897321504	8.81	4064	-0.098	0.003	0.059	0.099	270.176705	-24.677132	-1487.85	-247.59
5	GUIDE	897325632	8.54	4060	-0.081	-0.001	0.053	0.088	270.212330	-24.788521	-1083.90	-143.36
6	GUIDE	897189680	9.38	4060	0.037	-0.139	0.079	0.130	269.757758	-25.189569	315.26	-1669.10
7	GUIDE	897321032	9.38	4059	0.136	0.197	0.091	0.146	270.974244	-25.549551	1740.09	2243.54

2.4 Star Slots

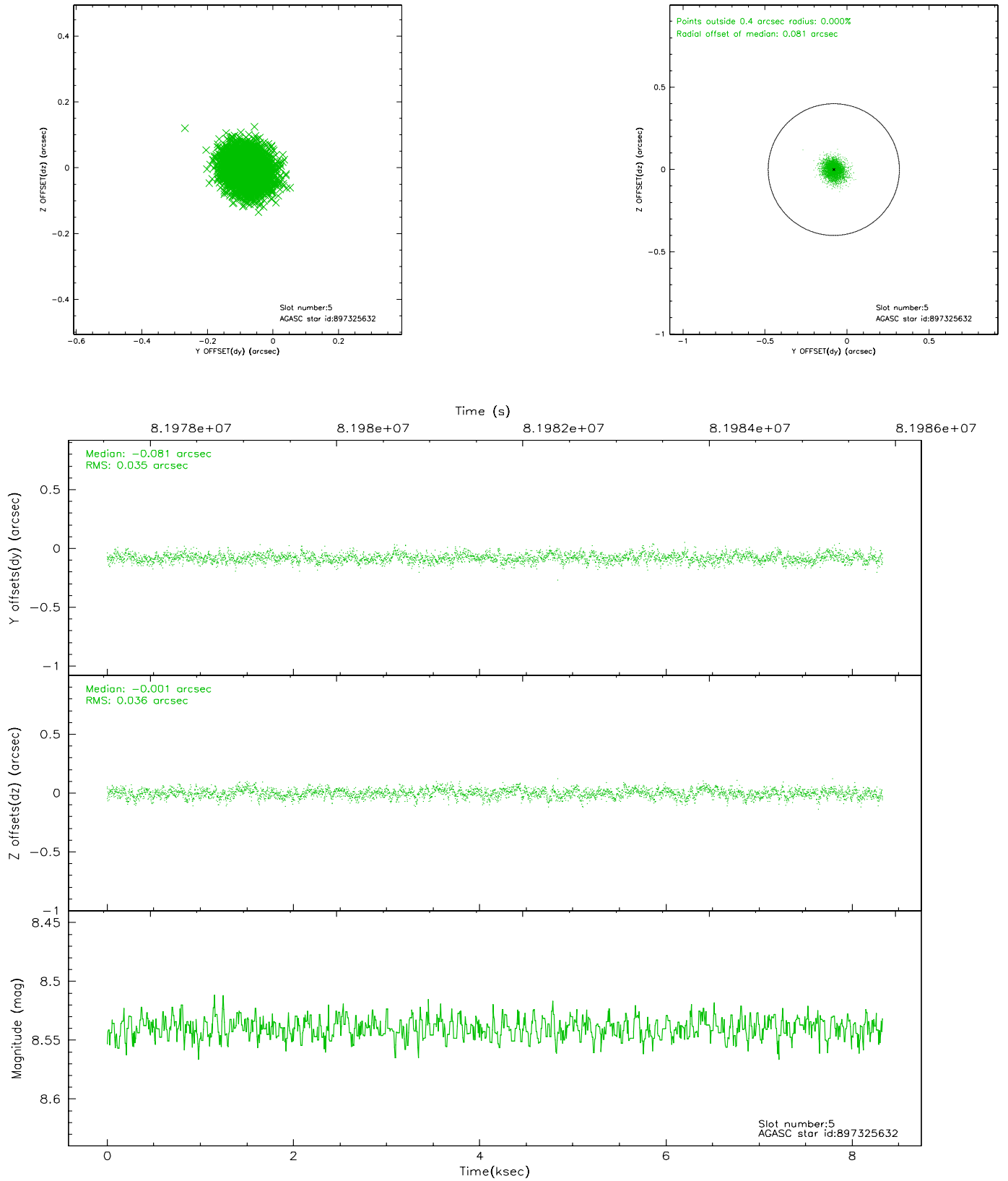
2.4.1 Slot 3



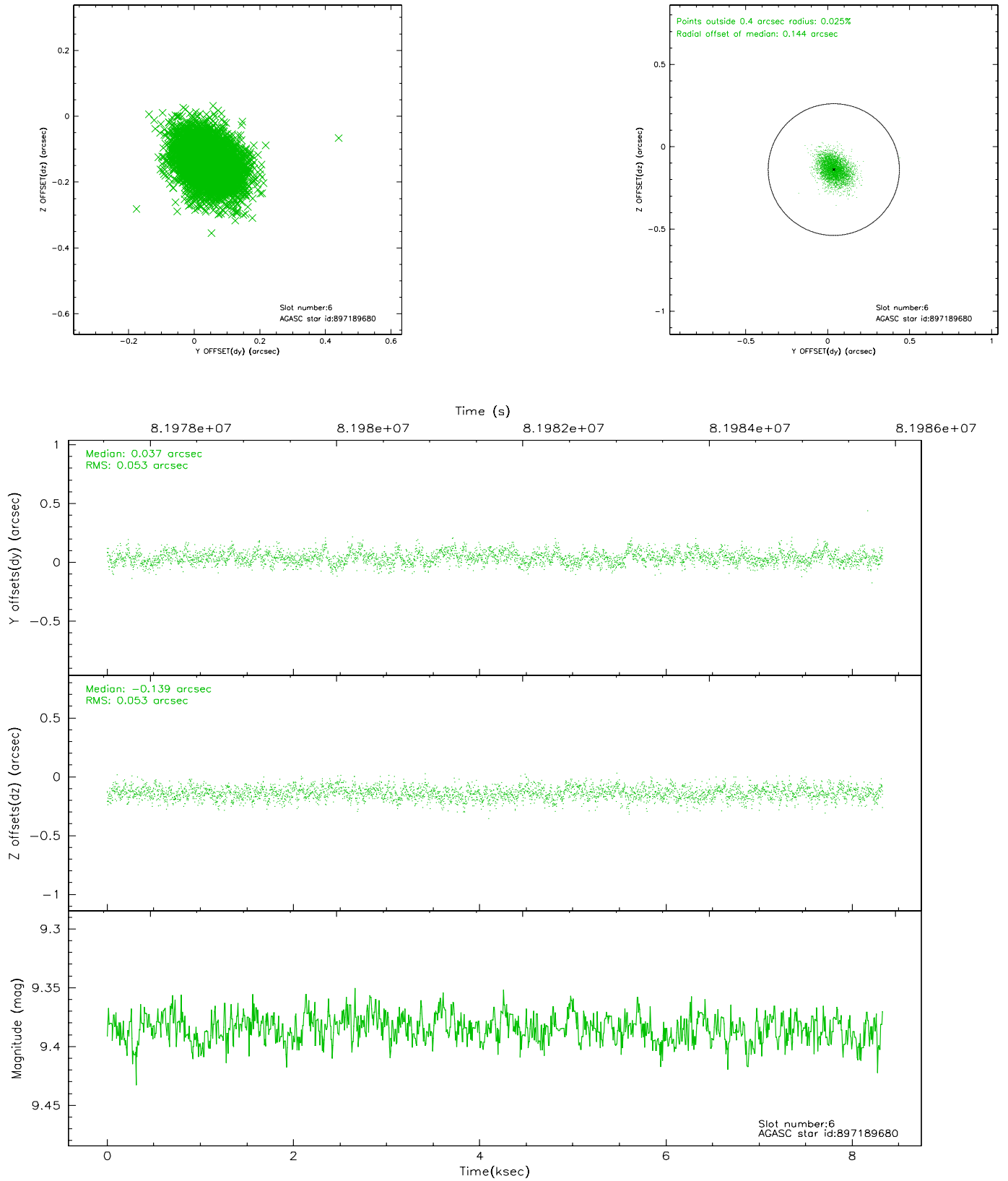
2.4.2 Slot 4



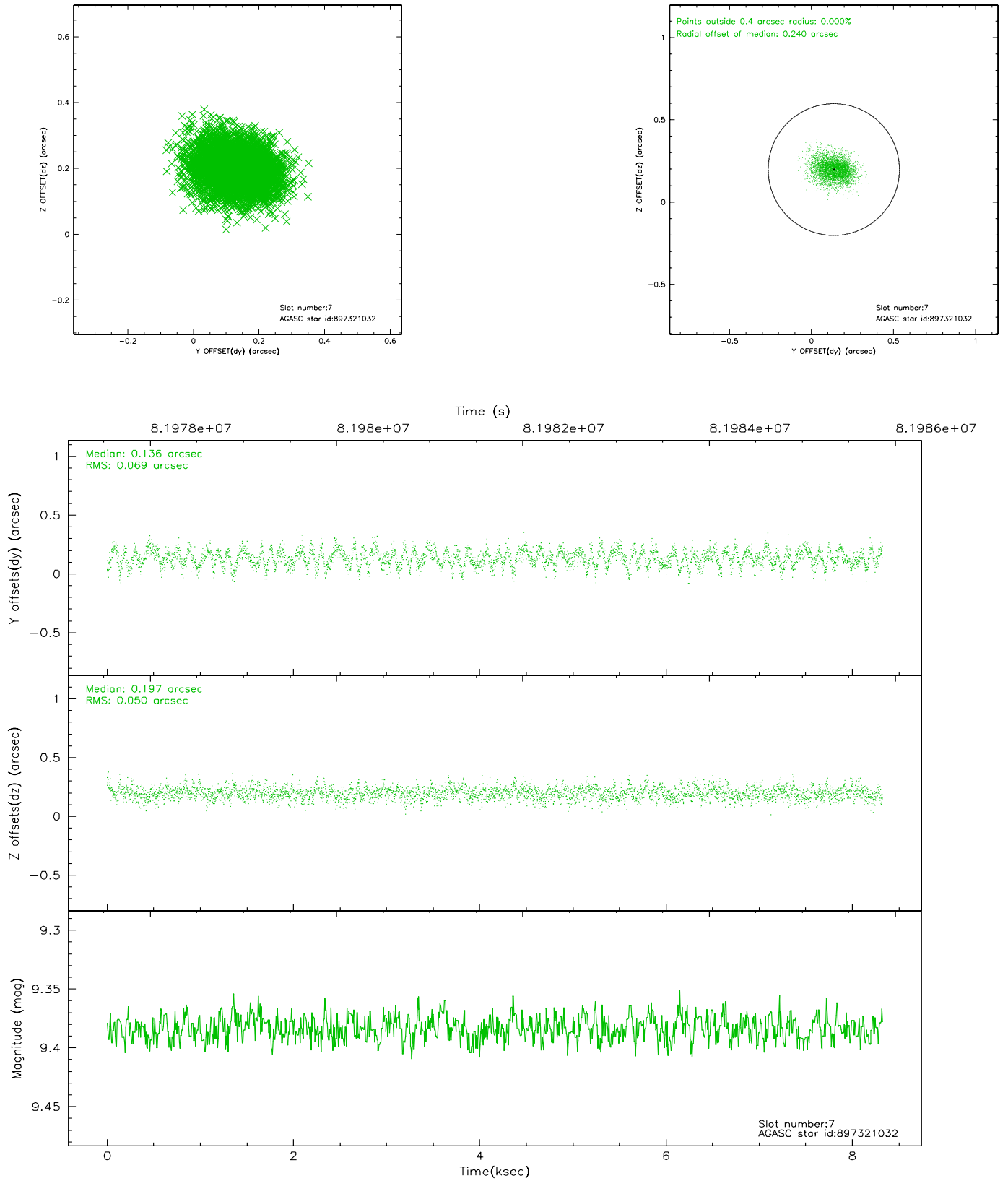
2.4.3 Slot 5



2.4.4 Slot 6

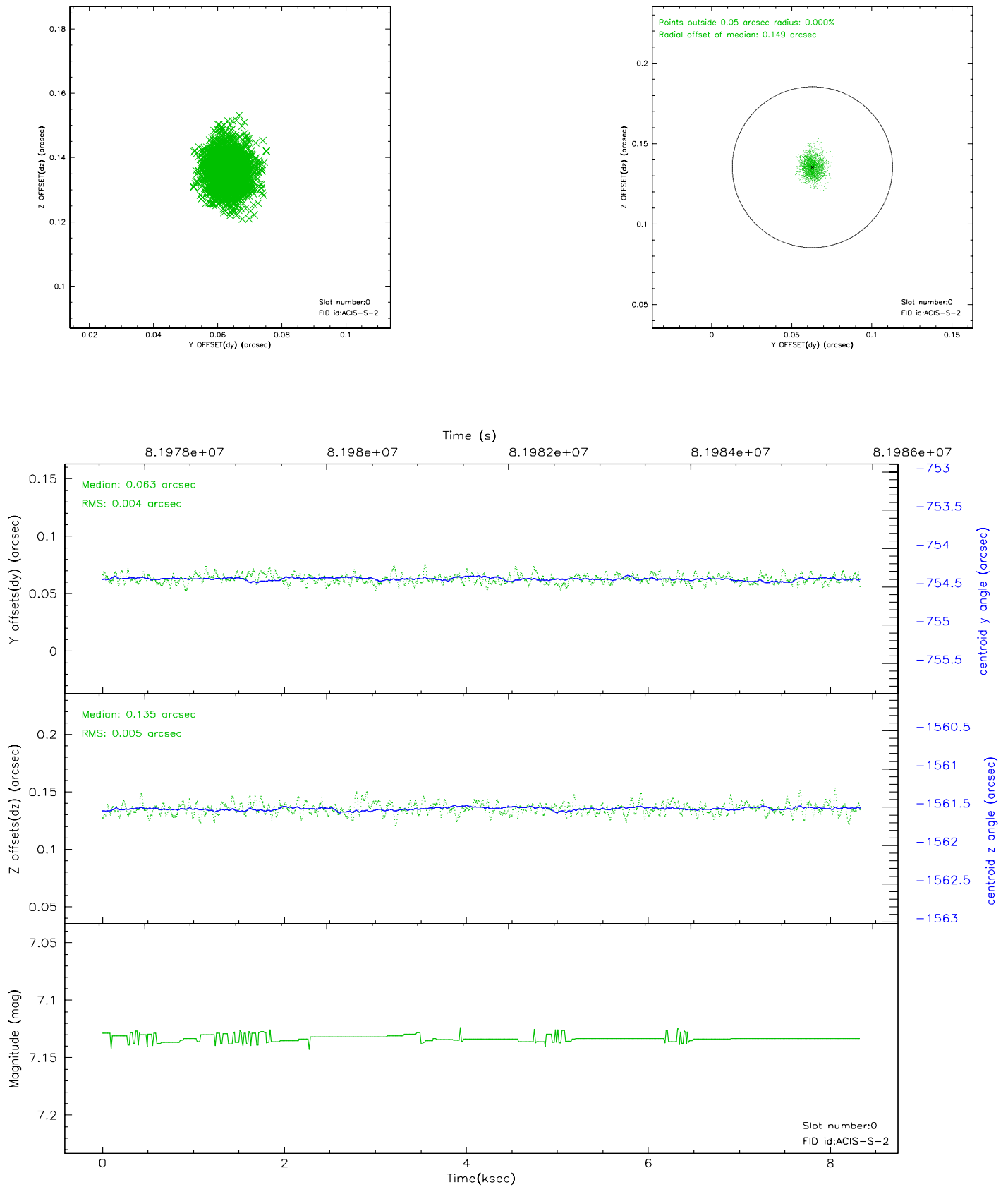


2.4.5 Slot 7

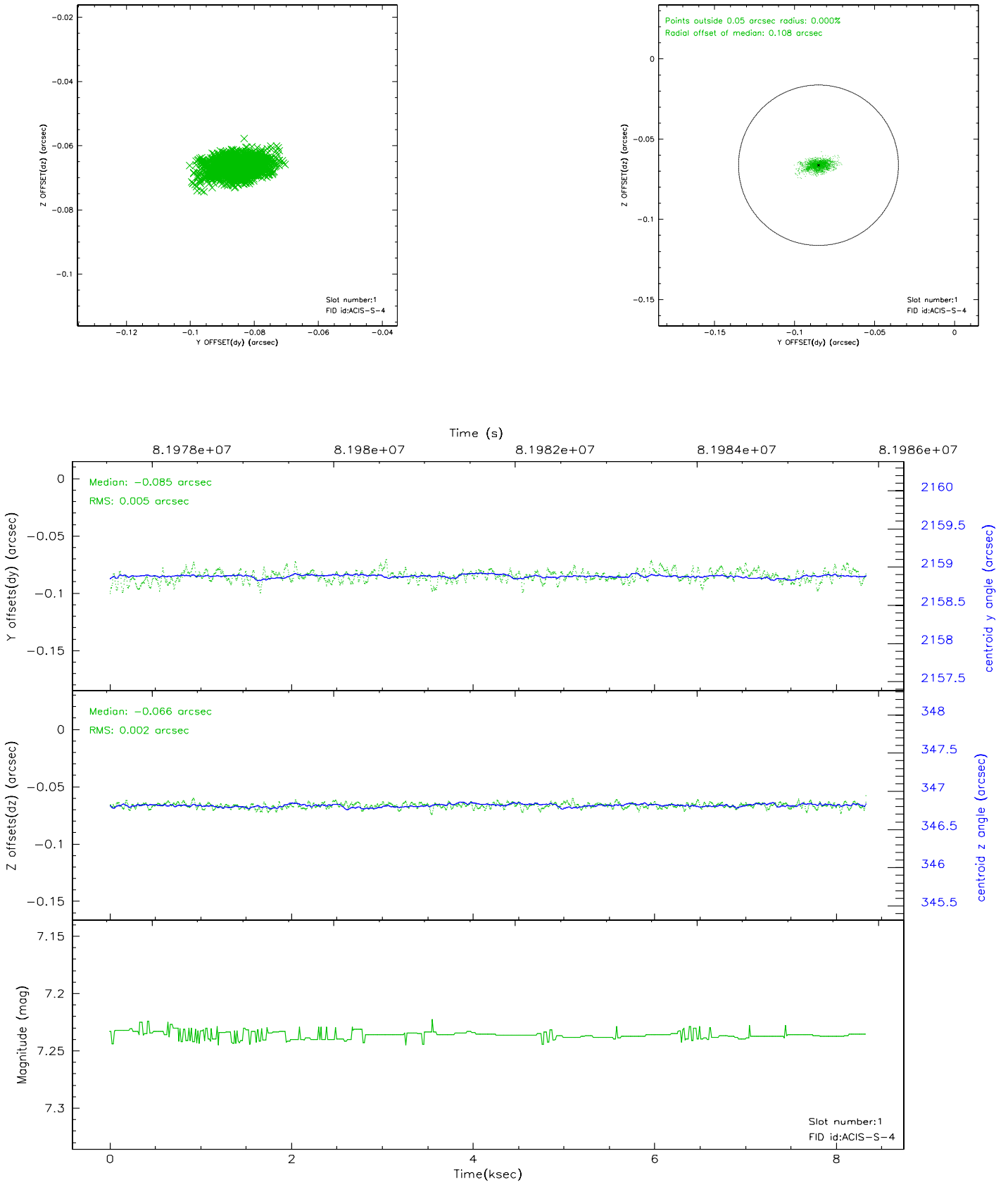


2.5 FID Slots

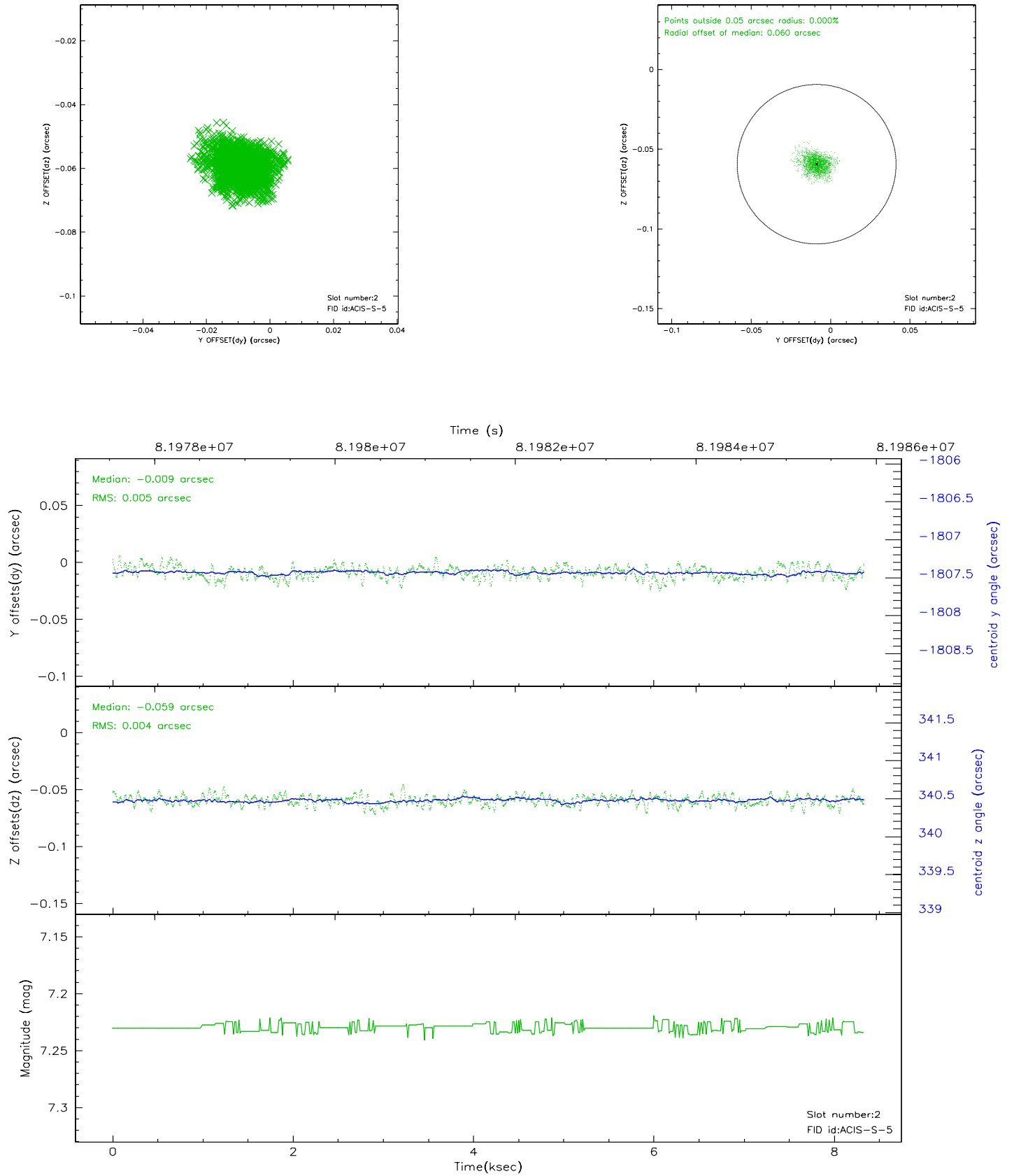
2.5.1 Slot 0



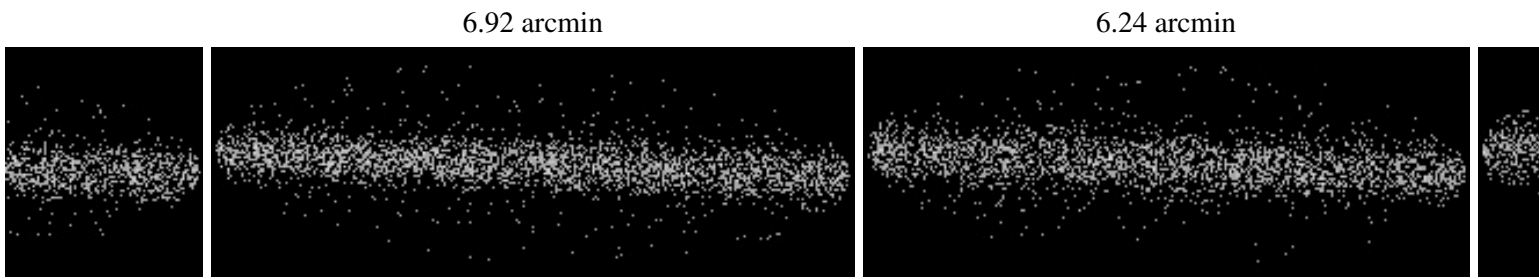
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.04
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	6.956

A.2 Comments