

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2058 - L2 Version 001
Chandra X-Ray Center

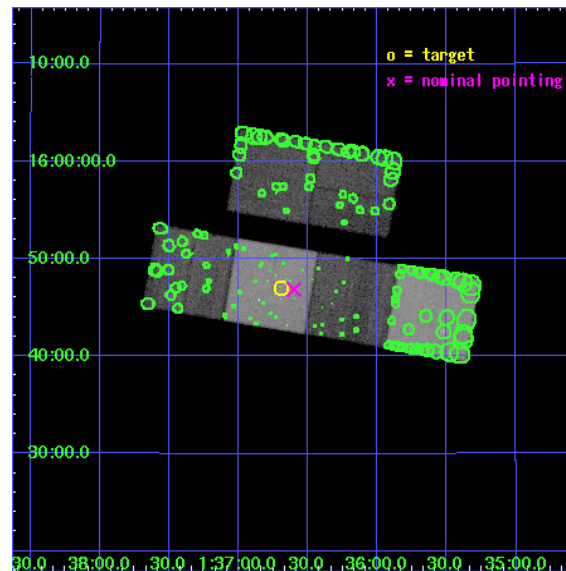
L2 Processing Date : Jan 10 2007

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1 Front

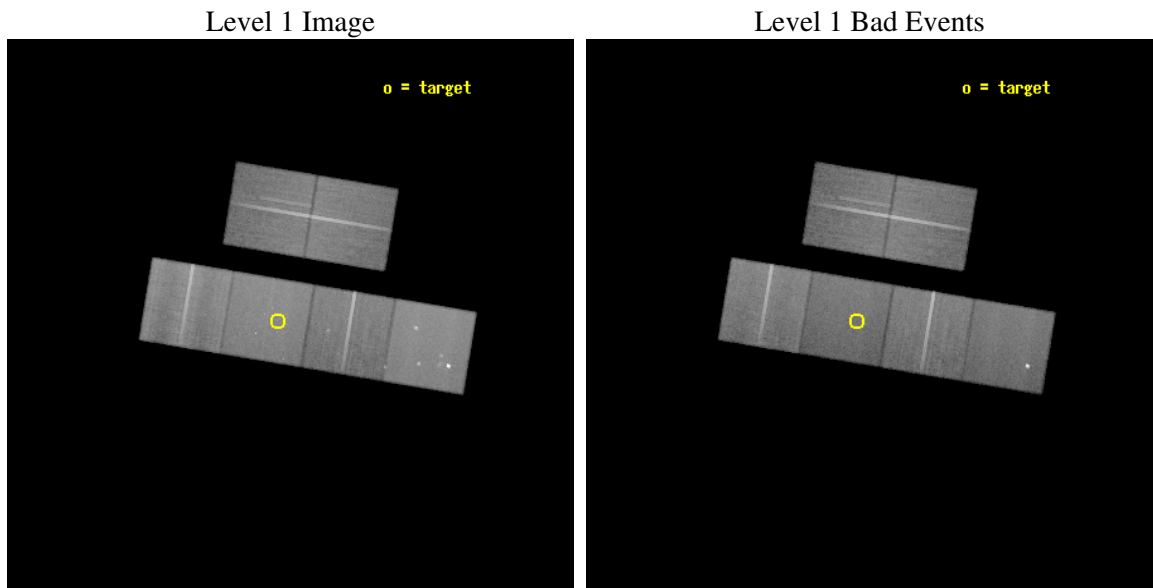
seq_num	600192
obs_id	2058
title	THE X-RAY POINT SOURCE POPULATION IN SPIRAL GALAXIES
observer	Dr. Andrea Prestwich
object	NGC 628
dtcycle	0
cycle	P
ra_targ	24.17375
dec_targ	15.783056
ra_nom	24.150470886282
dec_nom	15.78110832909
roll_nom	189.47383189027
revision	2
ontime	46758.400043547
livetime	46166.317027667
ontime2	46758.400043547
ontime3	46758.400043547
ontime5	46758.400043547
ontime6	46755.159043372
ontime7	46758.400043547
ontime8	46755.159063295
l2events	488997



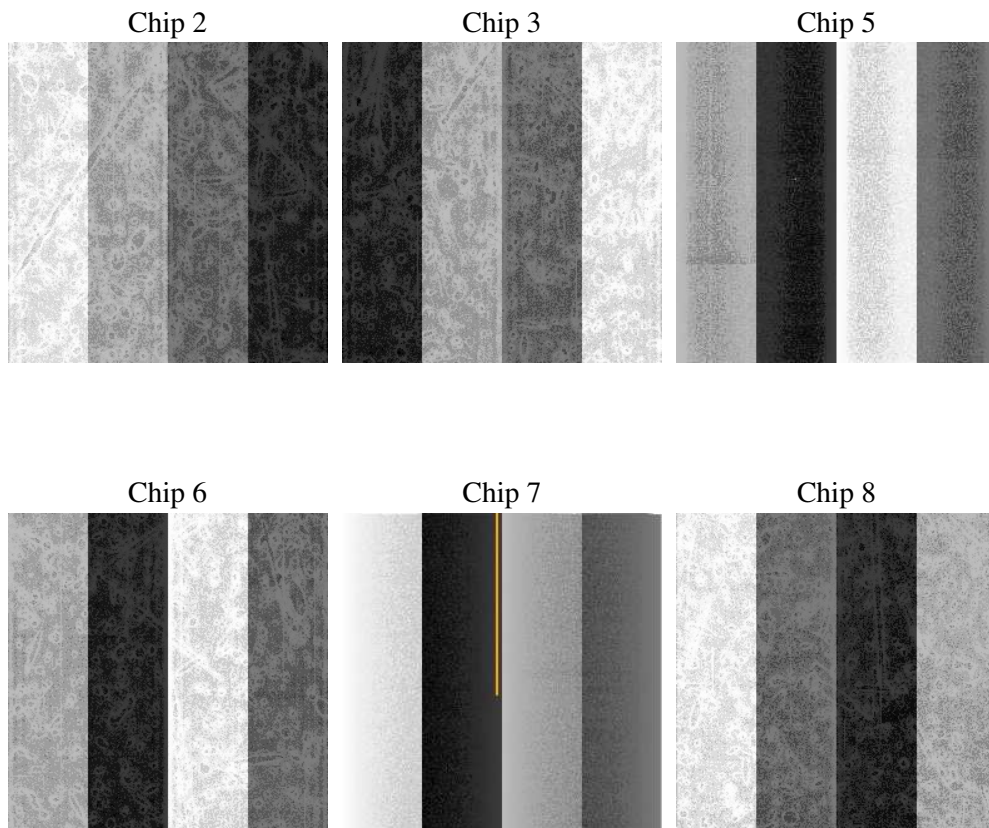
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	3
ascdsver	7.6.10
caldsver	3.3.0
date	2007-01-10T15:02:59
revision	2

sched_exp_time	47000.000000
ontime	46758.400043547
ontime2	46758.400043547
ontime3	46758.400043547
ontime5	46758.400043547
ontime6	46755.159043372
ontime7	46758.400043547
ontime8	46755.159063295
l1events	2238489

2.1.4 Events

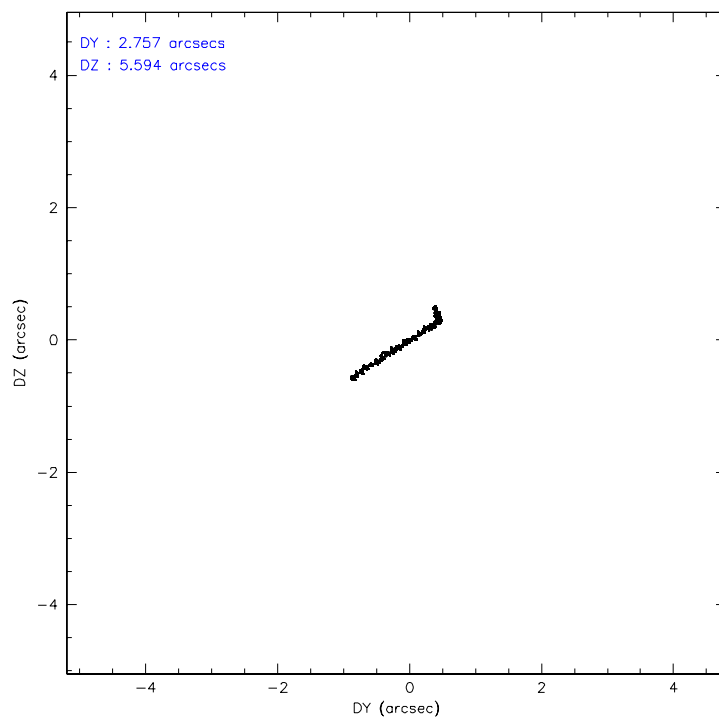
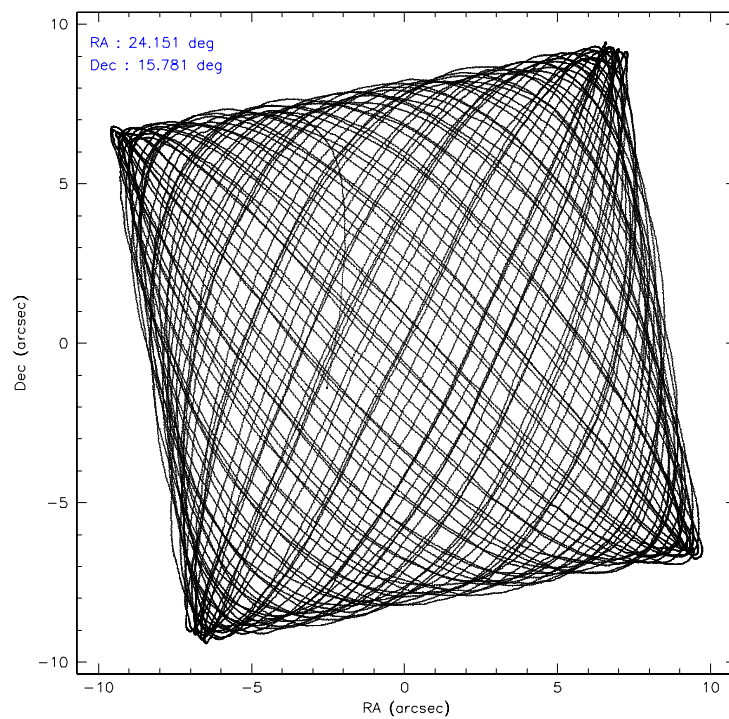
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	337857	315465	440063	327333	397448	420323
rejected events	301414	278755	238370	288172	227008	323148
rejected %	89%	88%	54%	88%	57%	76%

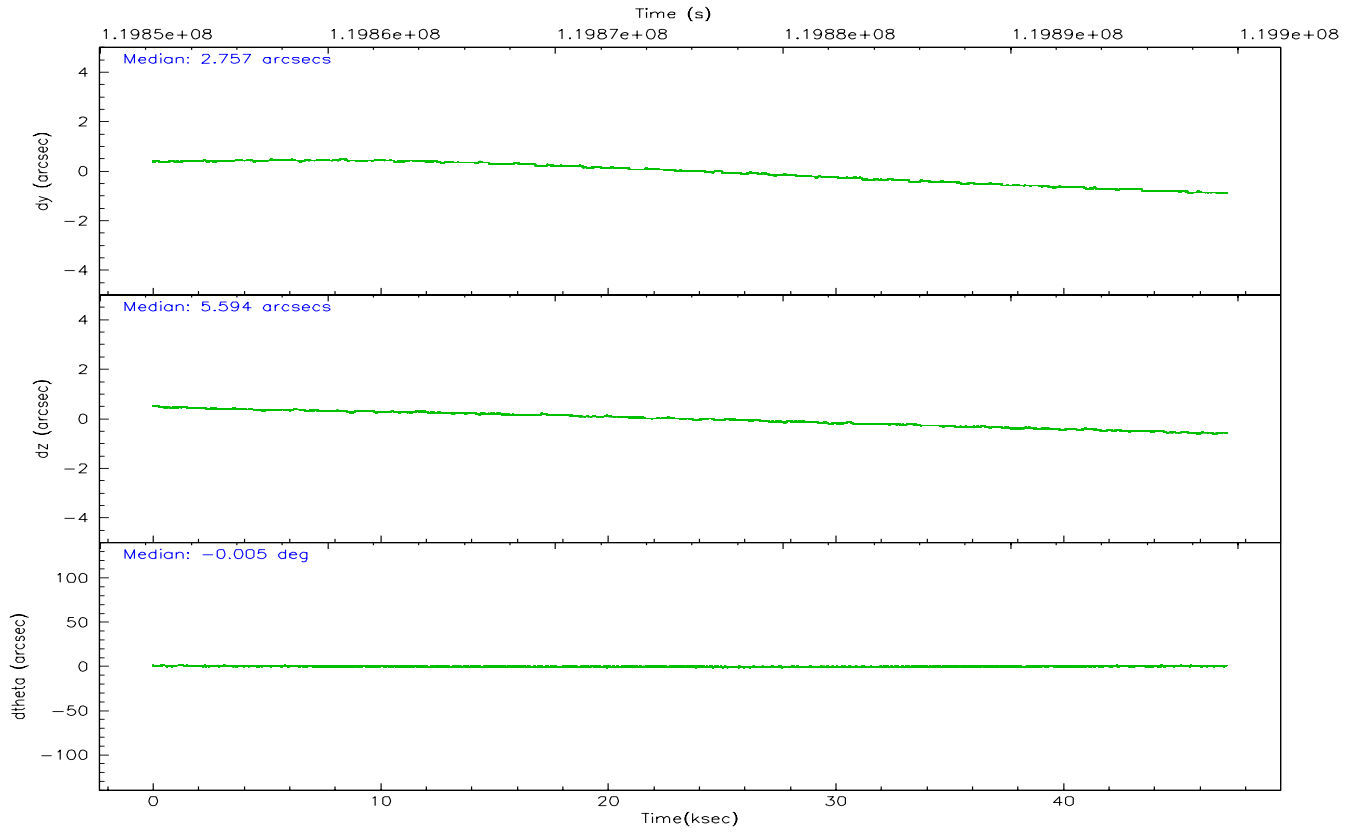
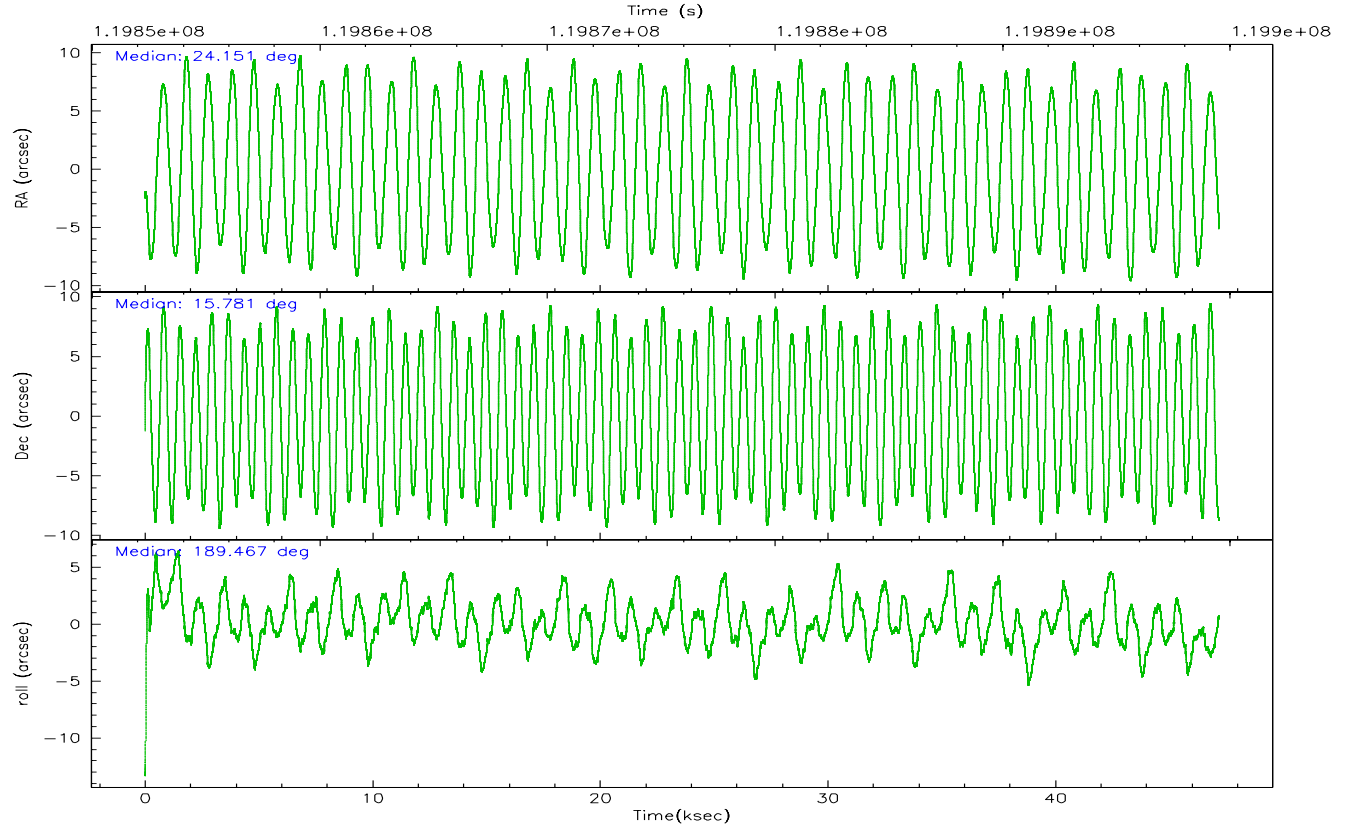
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	15228	16254	19493	16834	16978	31453
	4%	5%	4%	5%	4%	7%
grade 1 events	149	143	572	152	378	272
	0%	0%	0%	0%	0%	0%
grade 2 events	8089	7326	61442	7686	34370	19798
	2%	2%	13%	2%	8%	4%
grade 3 events	3374	3401	9797	3743	15435	11551
	0%	1%	2%	1%	3%	2%
grade 4 events	3417	3484	8232	3647	14977	10627
	1%	1%	1%	1%	3%	2%
grade 5 events	10476	11428	35549	12694	37056	16039
	3%	3%	8%	3%	9%	3%
grade 6 events	6340	6250	102753	7260	88711	23754
	1%	1%	23%	2%	22%	5%
grade 7 events	290784	267179	202225	275317	189543	306829
	86%	84%	45%	84%	47%	72%

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	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
Pointing RA	24.172136	24.15047088628186	Subarray requested	NONE	NONE
Pointing Dec	15.798677	15.78110832908973	Alternating exposures requested	N	N
Pointing Roll	189.311313	189.4738318902654	Primary exposure time	0.000000	3.2
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	119852512.184000	119851710.607			
Observation start date	2001-10-19T04:20:48	2001-10-19T04:08:30			
Observation end time	119899512.184000	119901049.49646			
Observation end date	2001-10-19T17:24:08	2001-10-19T17:50:49			
Read mode	TIMED	TIMED			

2.3 Aspect



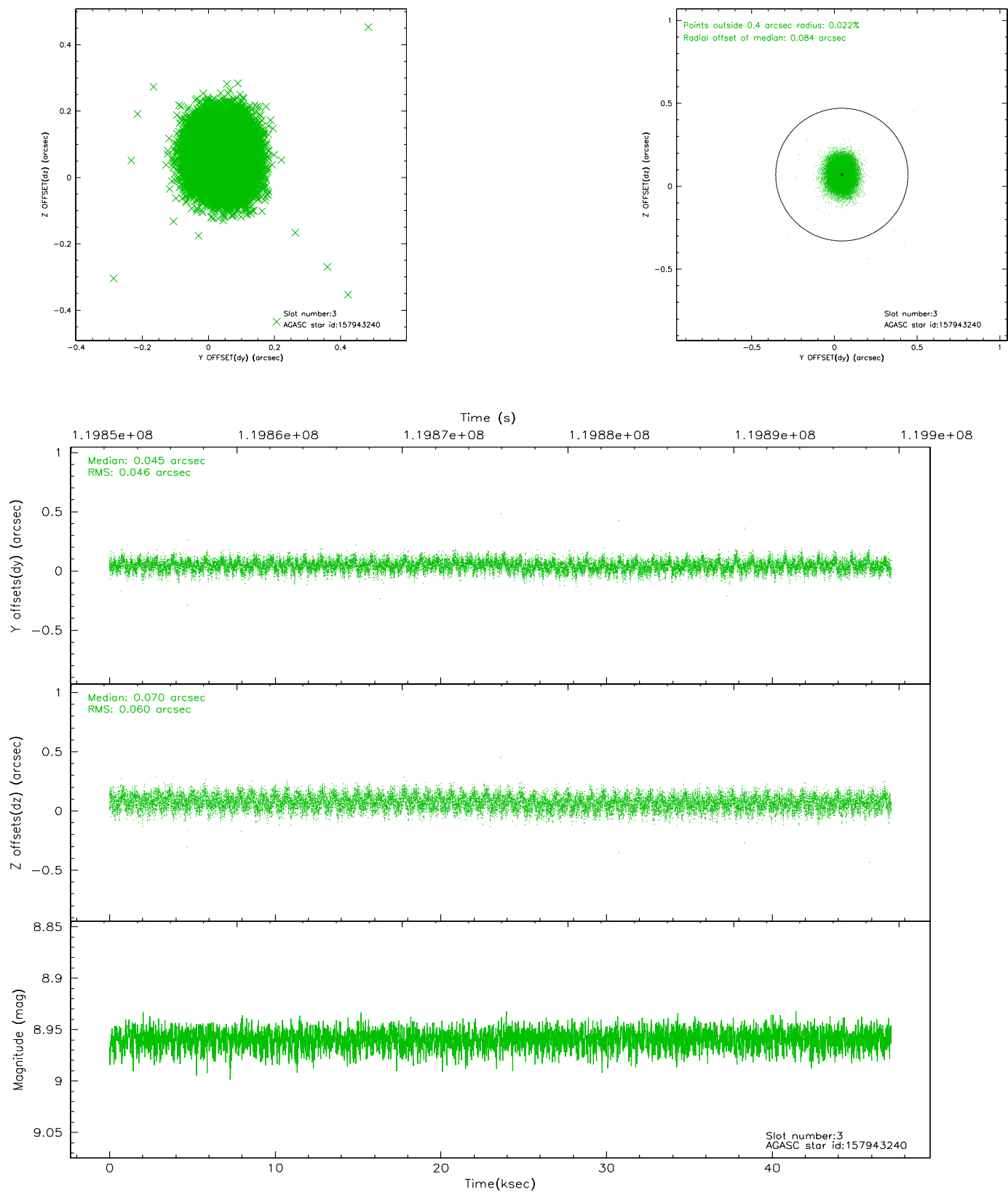


Slot Statistics

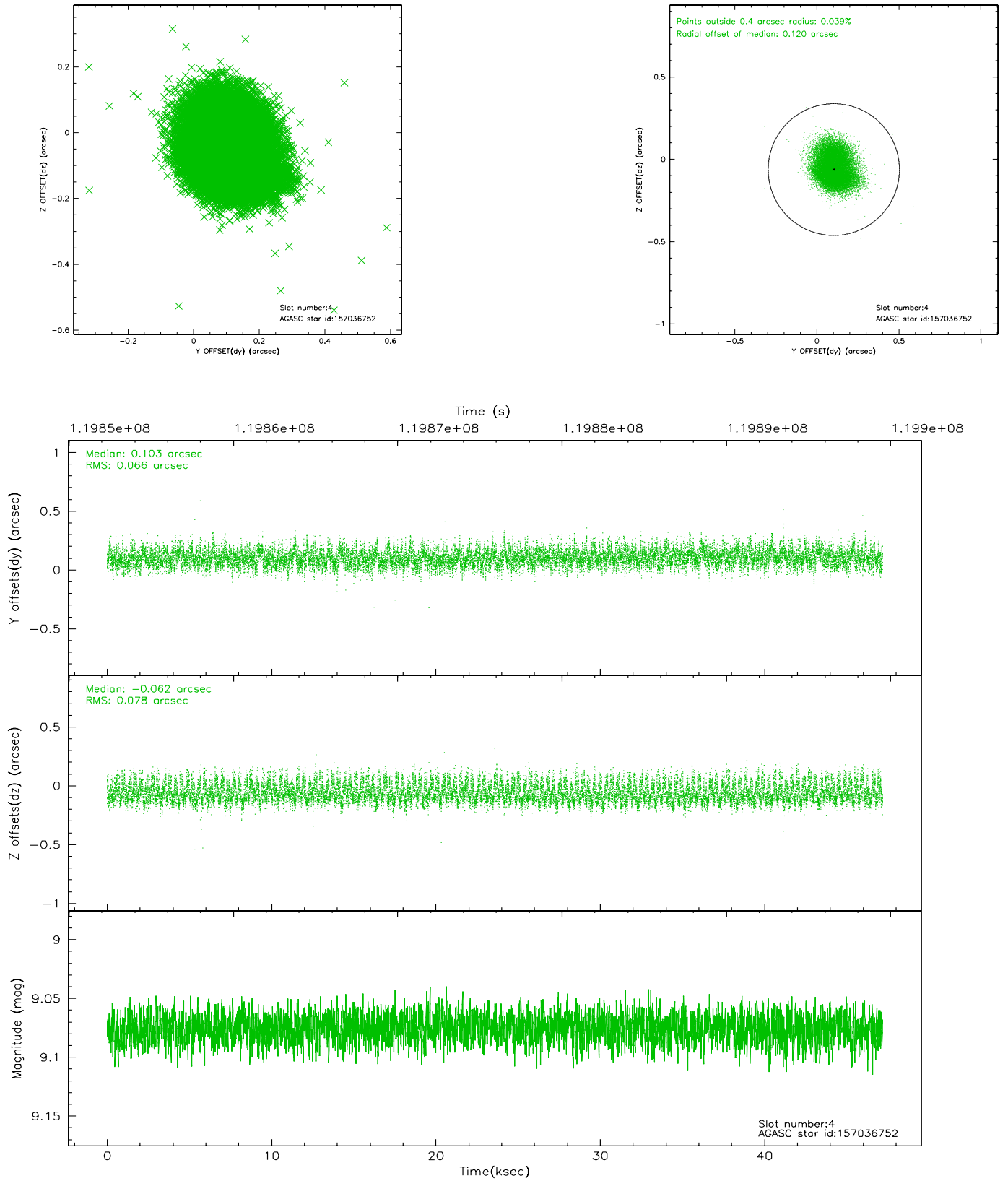
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	11510	-0.026	0.025	0.012	0.018	0.000000	0.000000	-755.31	-1726.69
1	FID	ACIS-S-4	7.20	11511	-0.055	0.006	0.010	0.018	0.000000	0.000000	2157.90	181.86
2	FID	ACIS-S-5	7.24	11510	0.050	-0.022	0.010	0.015	0.000000	0.000000	-1808.13	175.39
3	GUIDE	157943240	8.96	23016	0.045	0.070	0.080	0.127	24.500363	16.361777	-1446.37	-1817.30
4	GUIDE	157036752	9.08	23012	0.103	-0.062	0.110	0.174	23.400830	16.130370	2438.97	-1613.95
5	GUIDE	157029352	9.02	23011	-0.014	-0.035	0.184	0.246	23.764744	15.271289	1703.44	1644.22
6	GUIDE	157953216	9.39	23006	-0.055	-0.083	0.111	0.171	24.189817	15.248642	259.97	1964.72
7	GUIDE	157036576	9.66	23001	-0.070	0.081	0.143	0.275	23.859578	16.337399	752.24	-2088.37

2.4 Star Slots

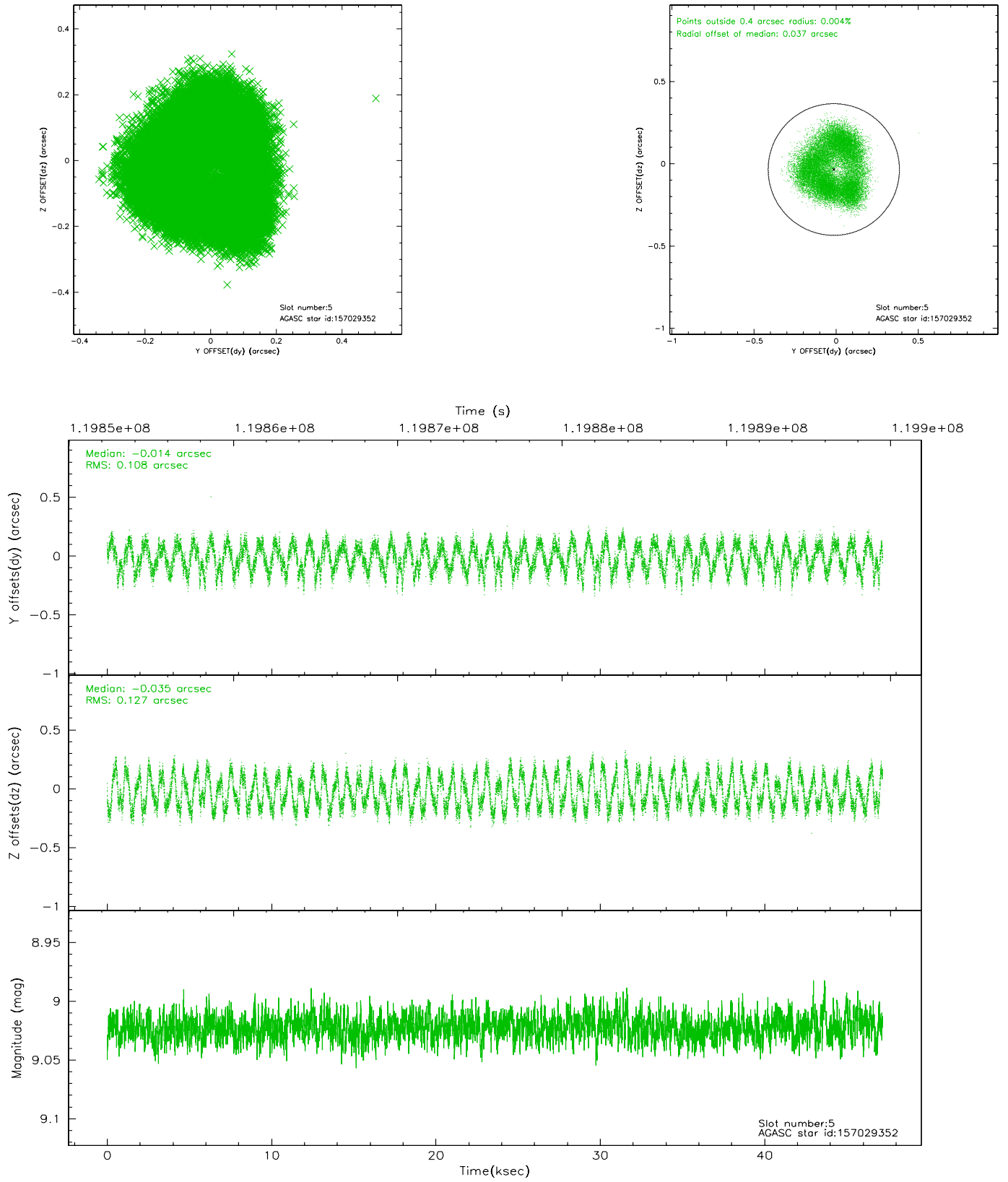
2.4.1 Slot 3



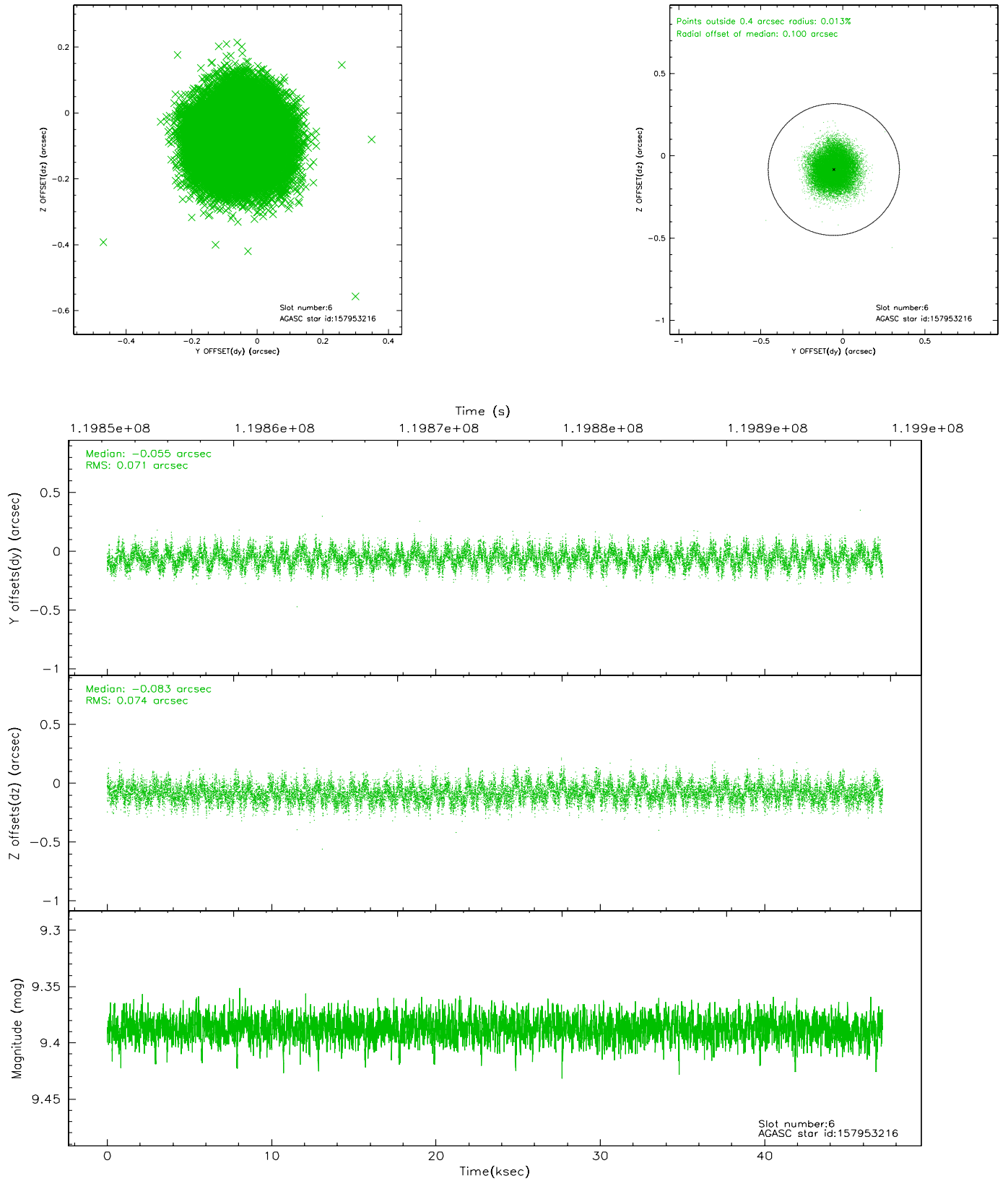
2.4.2 Slot 4



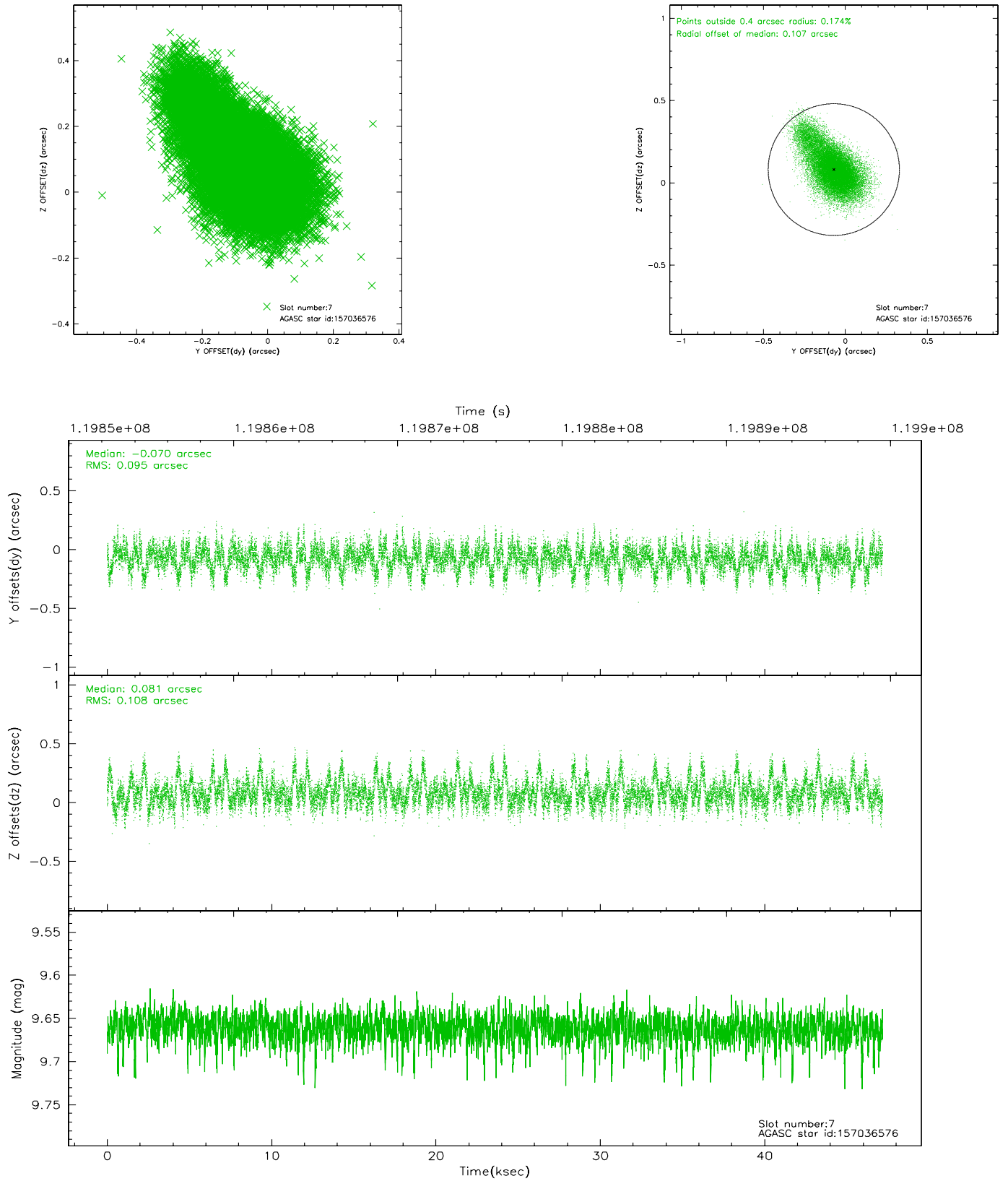
2.4.3 Slot 5



2.4.4 Slot 6

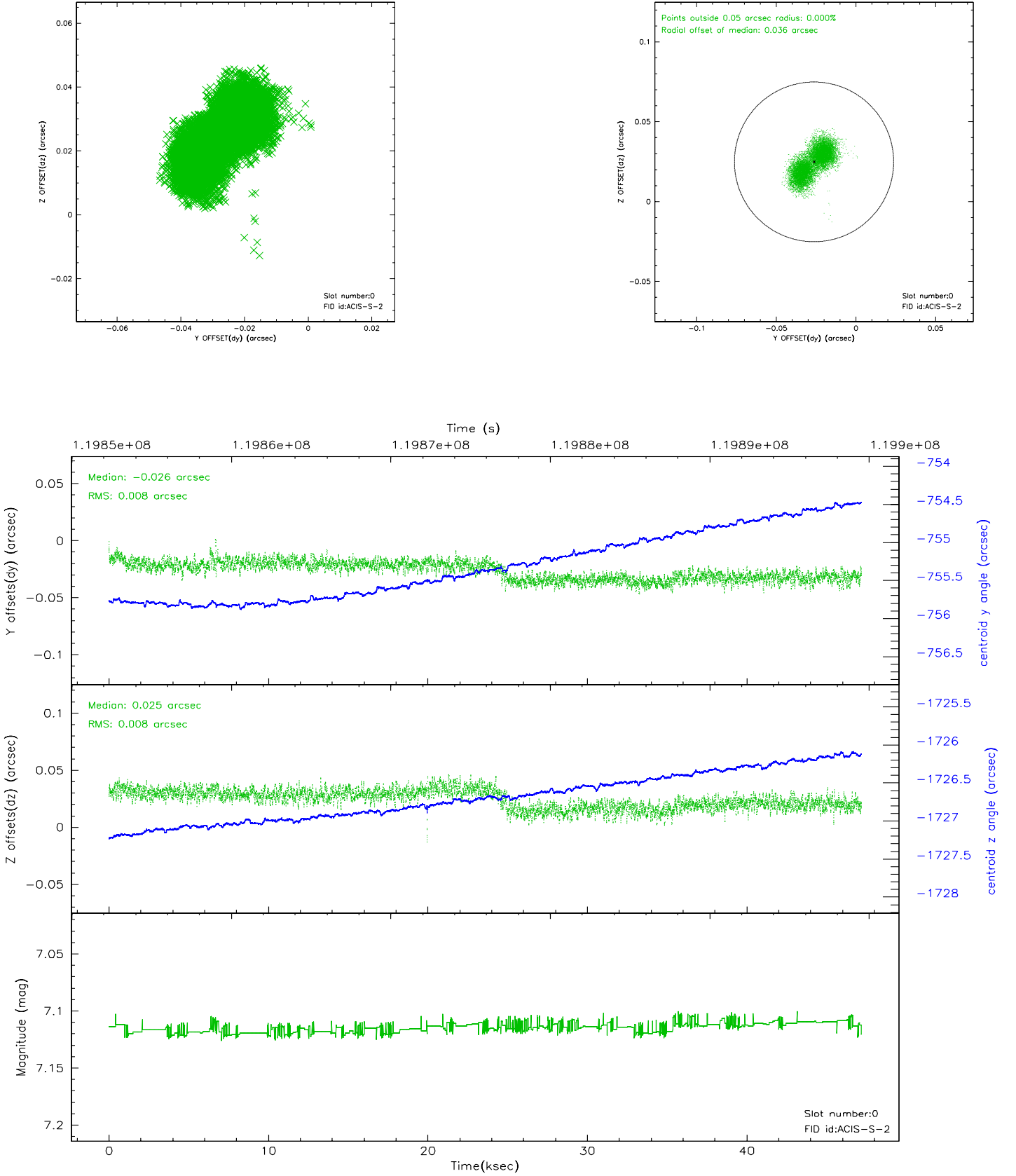


2.4.5 Slot 7

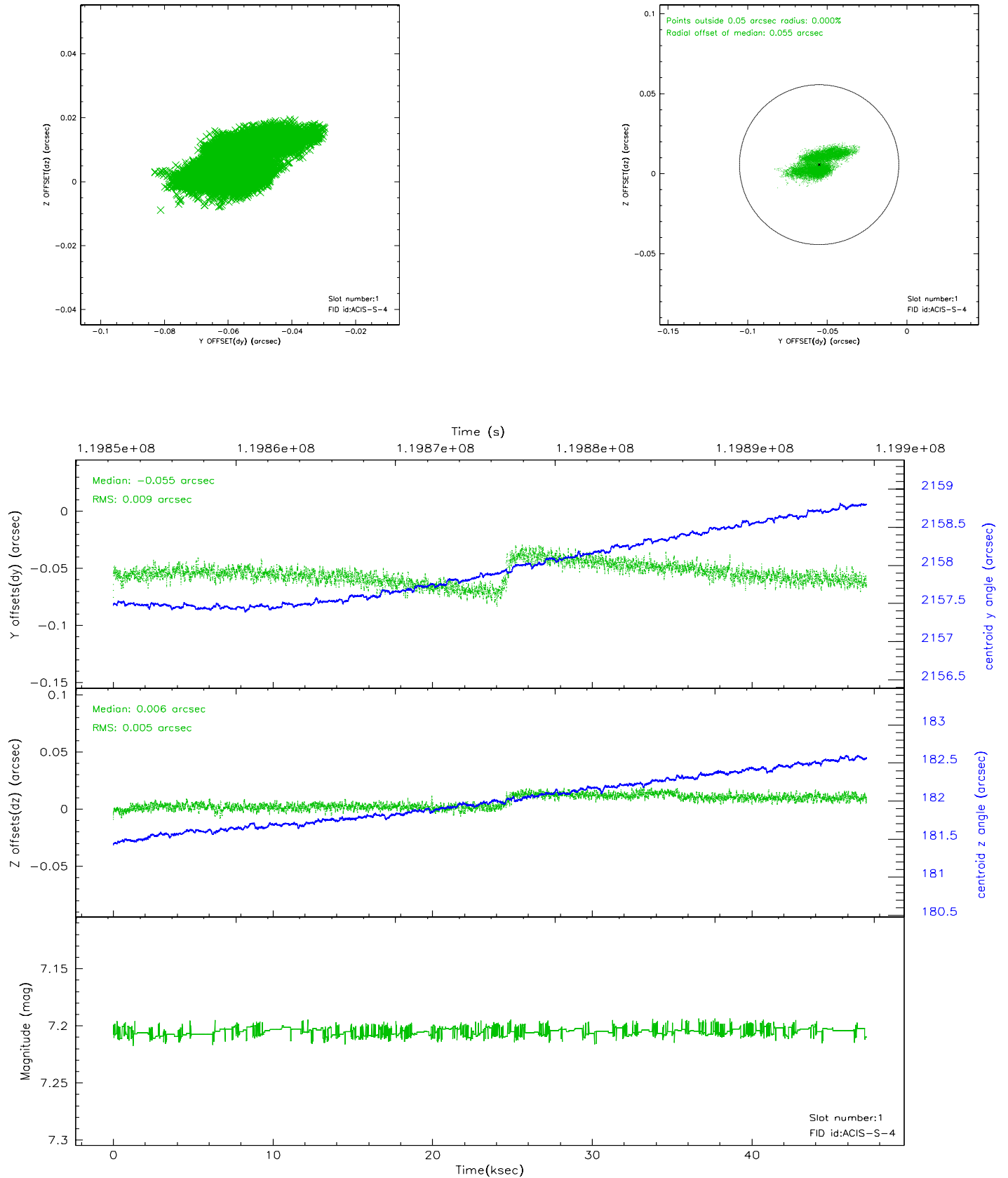


2.5 FID Slots

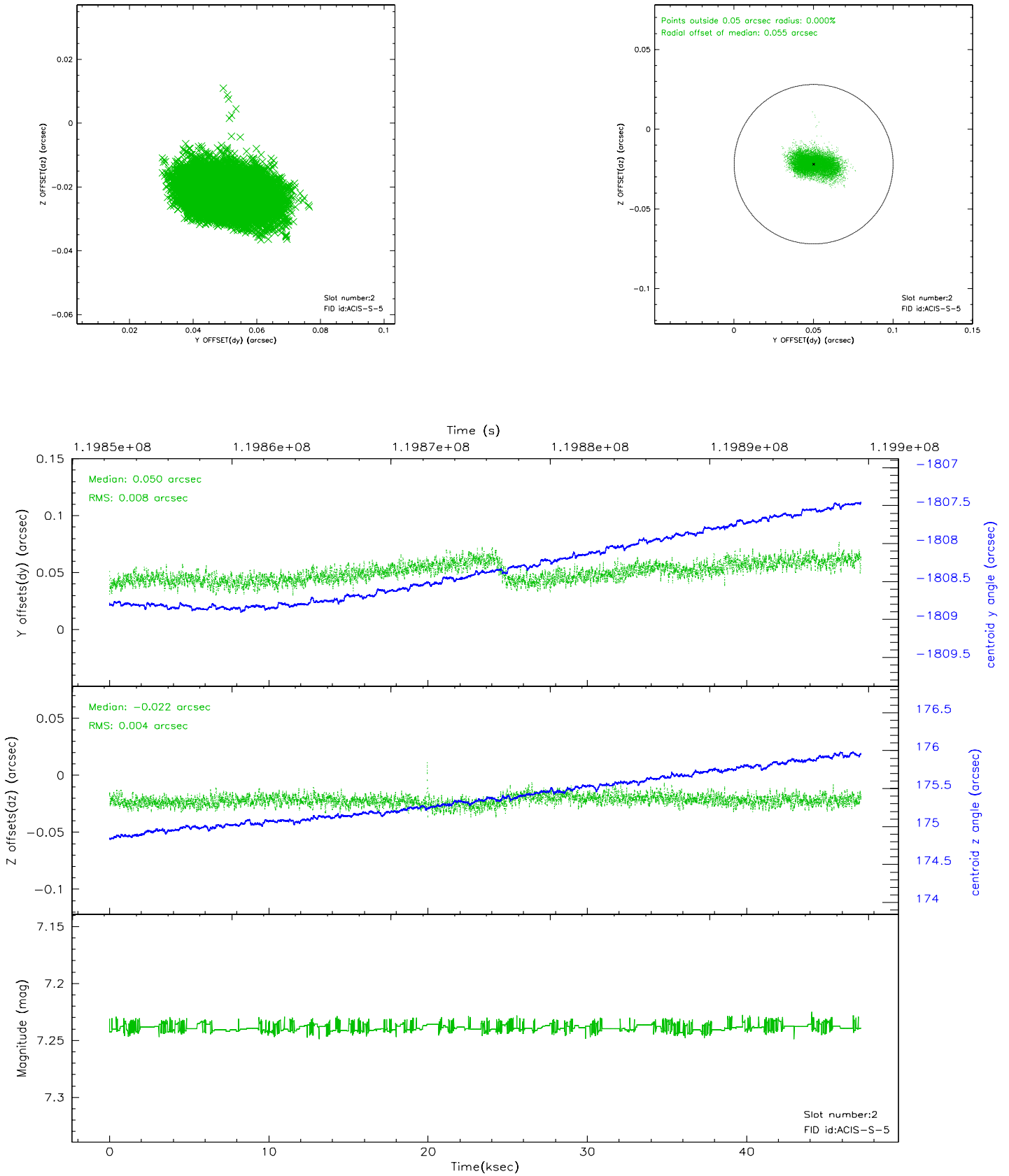
2.5.1 Slot 0



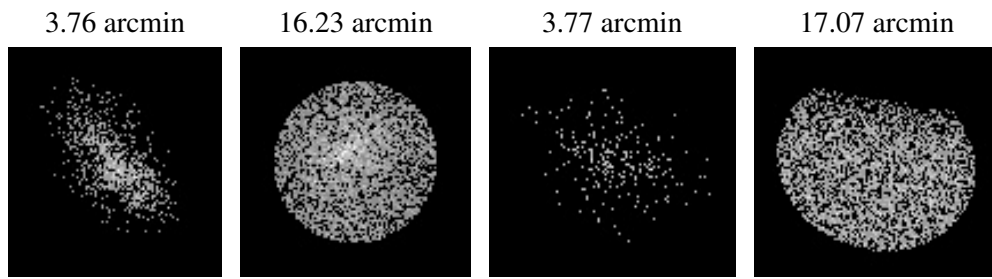
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.01.10
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	46.761

A.2 Comments

Monitor constraint met.