

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1968 - L2 Version 001
Chandra X-Ray Center

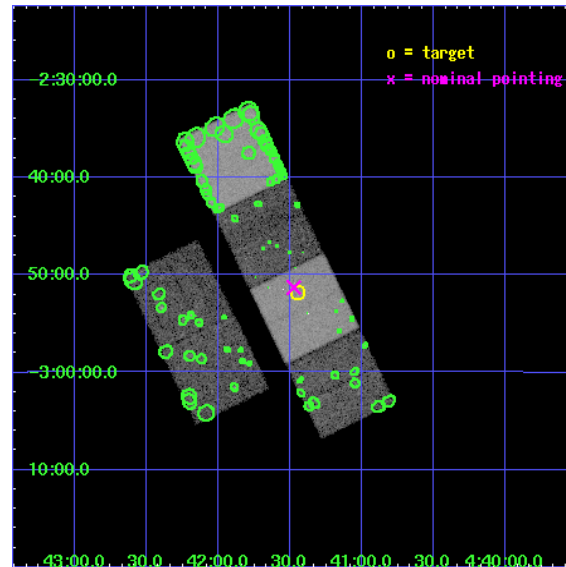
L2 Processing Date : Jun 14 2007

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1 Front

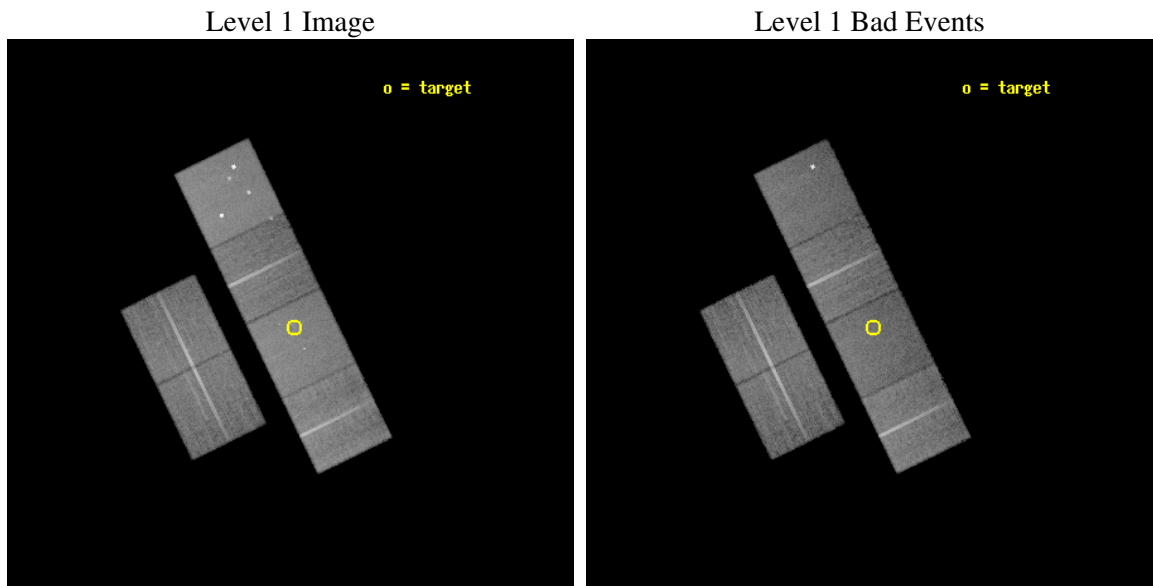
seq_num	500145
obs_id	1968
title	CONTINUING CHANDRA OBSERVATIONS OF THE X-RAY SUPERNOVAE SN 1999EM AND SN 1998S
observer	Prof. Walter Lewin
object	SN 1999EM
dtcycle	0
cycle	P
ra_targ	70.362917
dec_targ	-2.862694
ra_nom	70.368766773409
dec_nom	-2.8547411740415
roll_nom	64.049704398628
revision	2
ontime	26755.200024918
livetime	26416.409572155
ontime2	26751.959054679
ontime3	26755.200024918
ontime5	26755.200024918
ontime6	26755.200024918
ontime7	26755.200024918
ontime8	26751.959064677
l2events	237250



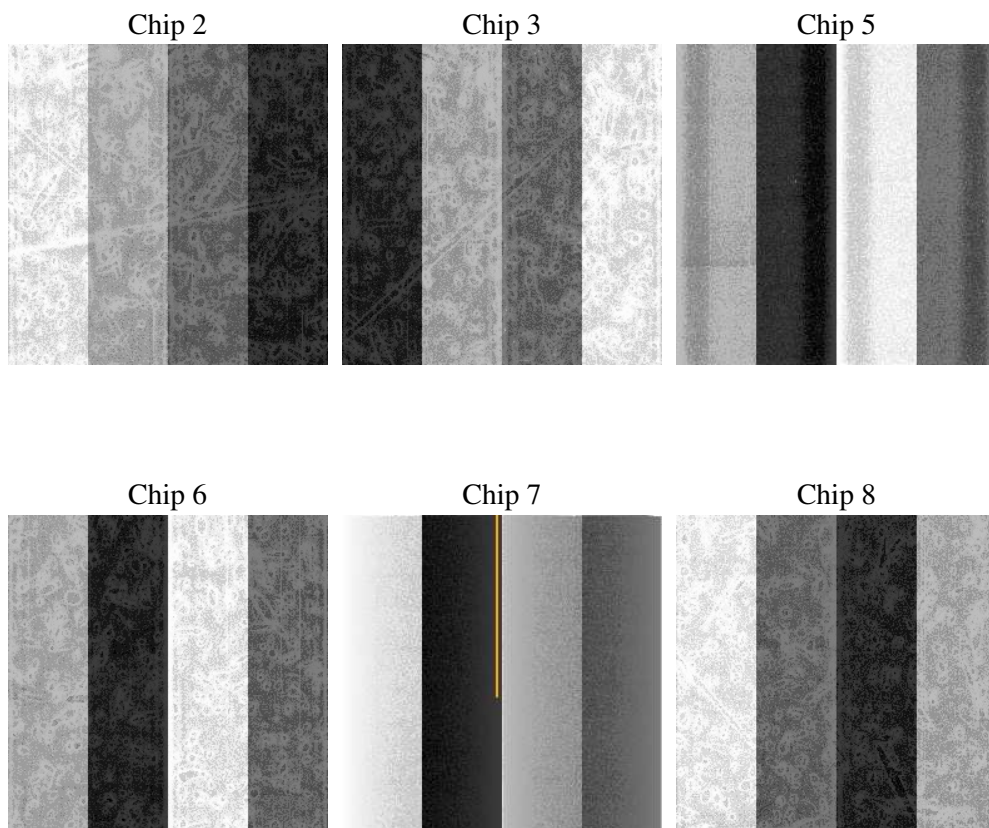
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.10
caldsver	3.4.0
date	2007-06-14T07:04:23
revision	2

sched_exp_time	27000.000000
ontime	26755.200024918
ontime2	26751.959054679
ontime3	26755.200024918
ontime5	26755.200024918
ontime6	26755.200024918
ontime7	26755.200024918
ontime8	26751.959064677
l1events	1089873

2.1.4 Events

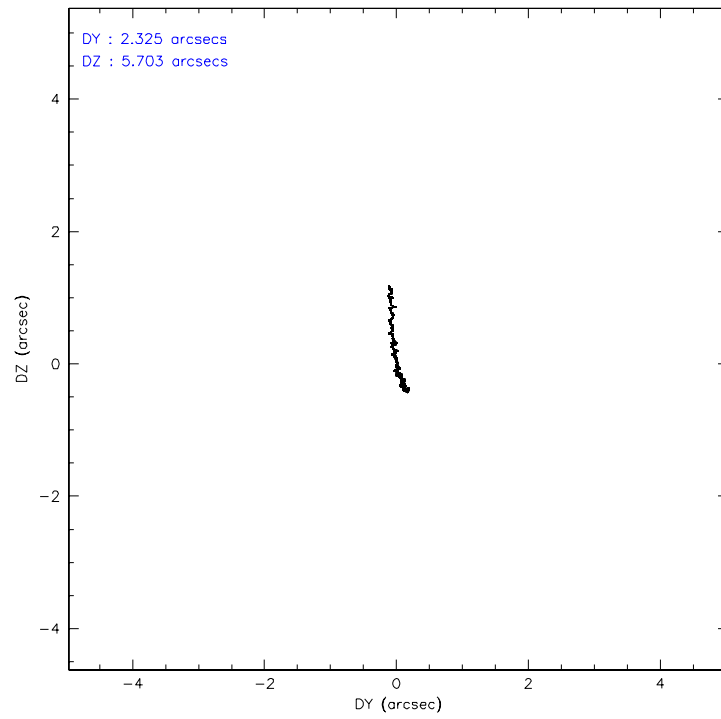
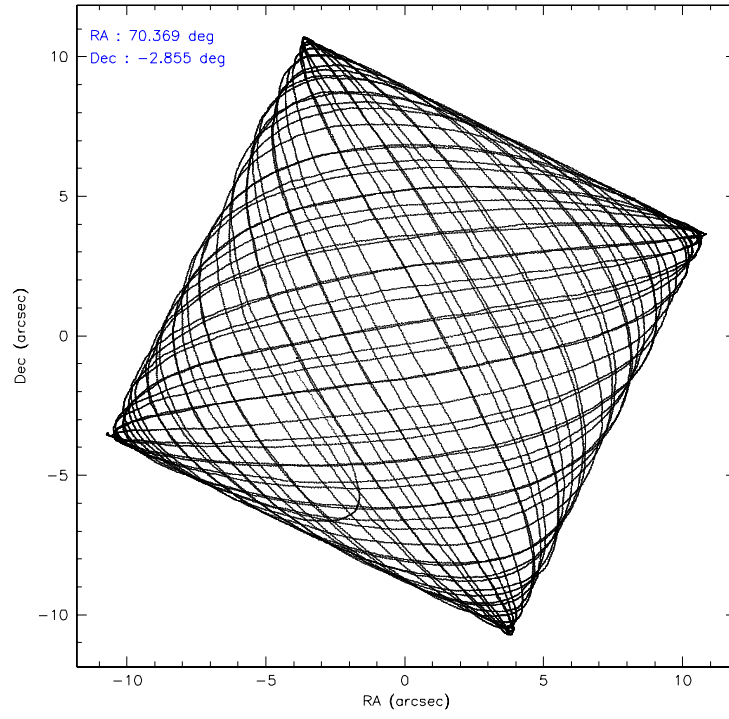
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	162941	152180	224797	156690	195321	197944
rejected events	144707	134243	118296	138449	113005	158665
rejected %	88%	88%	52%	88%	57%	80%

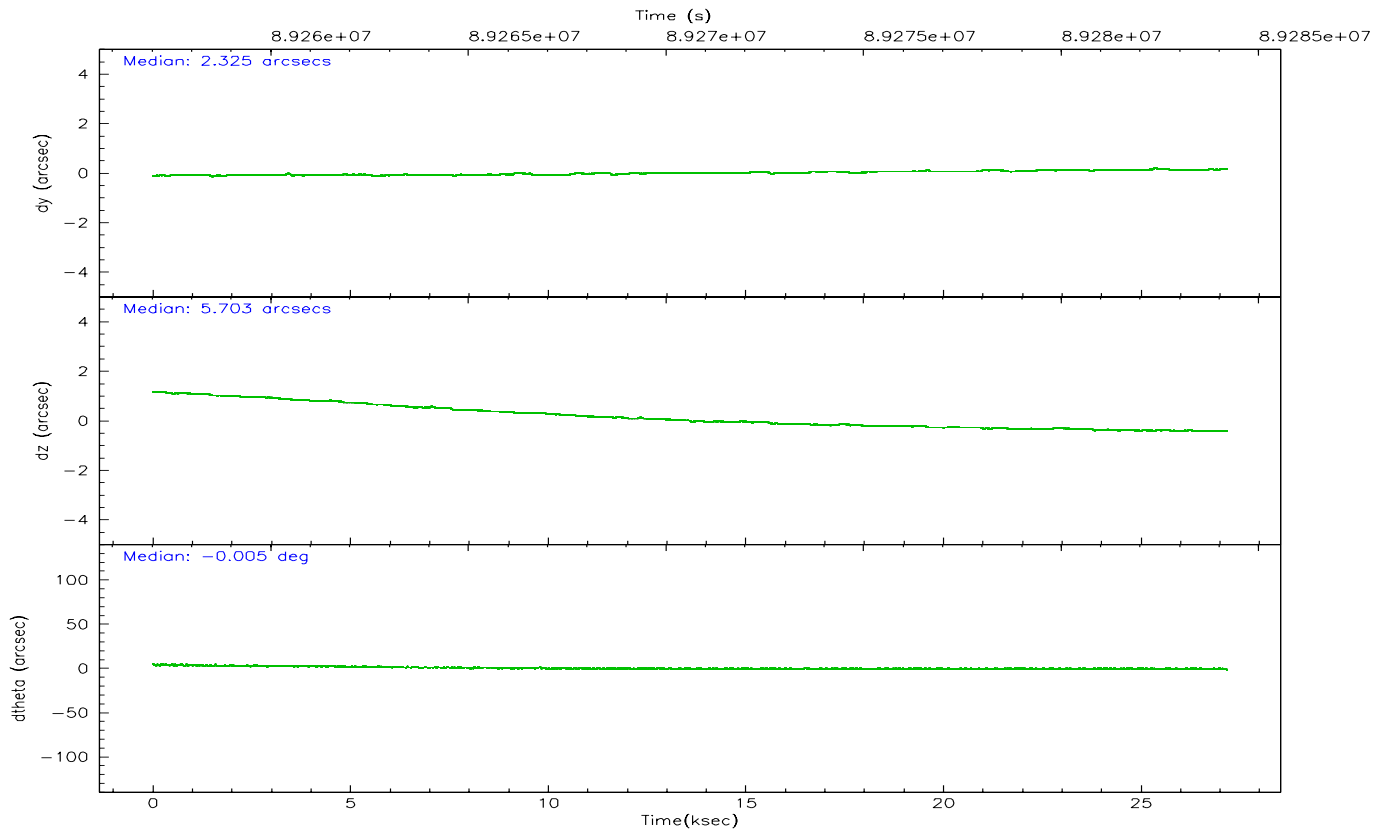
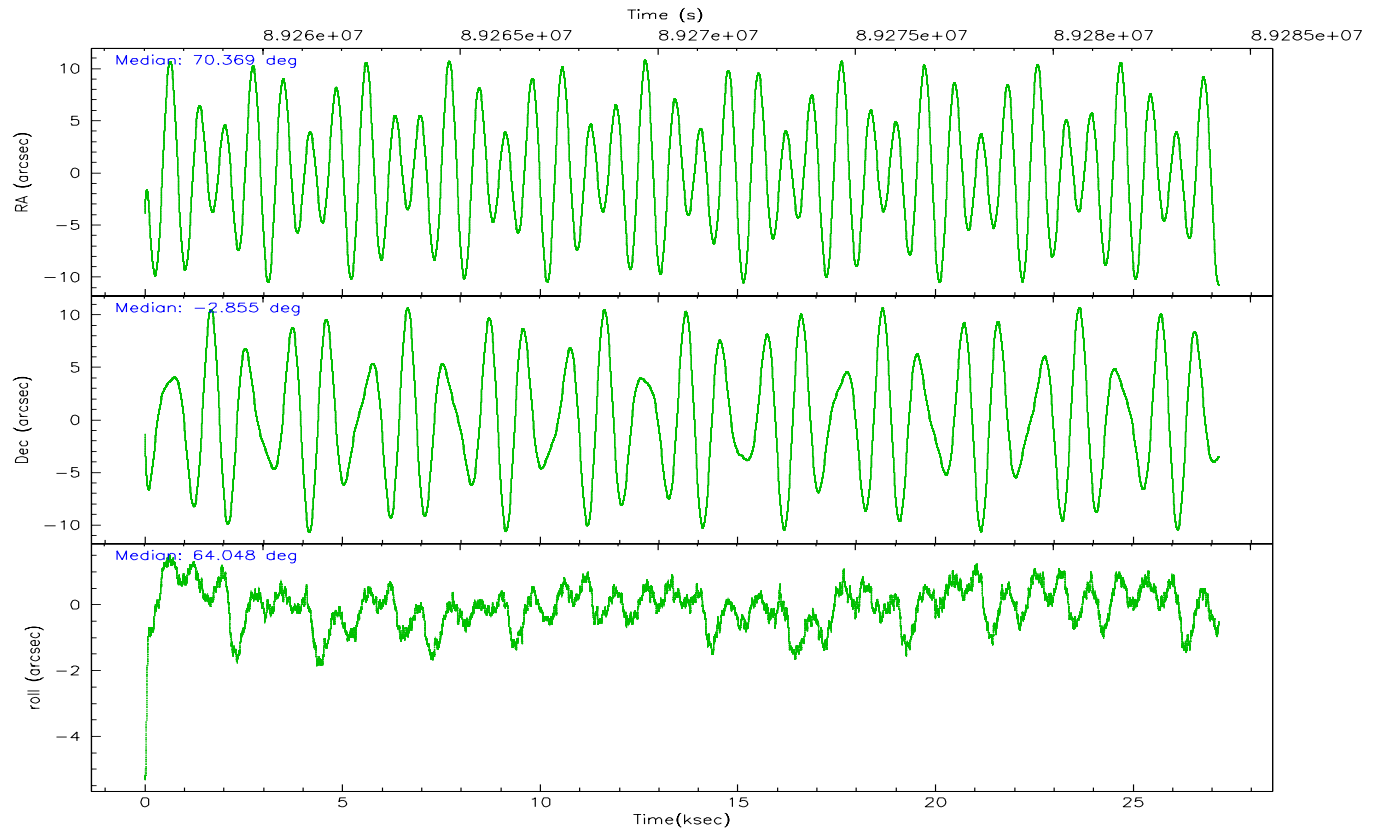
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	8002	8048	16856	7673	8519	12992
	4%	5%	7%	4%	4%	6%
grade 1 events	78	73	343	65	176	125
	0%	0%	0%	0%	0%	0%
grade 2 events	3811	3435	30724	3560	16166	8150
	2%	2%	13%	2%	8%	4%
grade 3 events	1703	1685	4417	1858	7509	4319
	1%	1%	1%	1%	3%	2%
grade 4 events	1647	1664	4188	1749	7621	4023
	1%	1%	1%	1%	3%	2%
grade 5 events	5353	5627	17826	6510	18647	8007
	3%	3%	7%	4%	9%	4%
grade 6 events	3076	3108	50328	3402	42510	9799
	1%	2%	22%	2%	21%	4%
grade 7 events	139271	128540	100115	131873	94173	150529
	85%	84%	44%	84%	48%	76%

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	70.370904	70.36876677340852	Subarray requested	NONE	NONE
Pointing Dec	-2.882010	-2.854741174041539	Alternating exposures requested	N	N
Pointing Roll	63.893185	64.04970439862849	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	89257203.184000	89256062.1189			
Observation start date	2000-10-30T01:38:59	2000-10-30T01:21:02			
Observation end time	89284203.184000	89285168.019999			
Observation end date	2000-10-30T09:08:59	2000-10-30T09:26:08			
Read mode	TIMED	TIMED			

2.3 Aspect



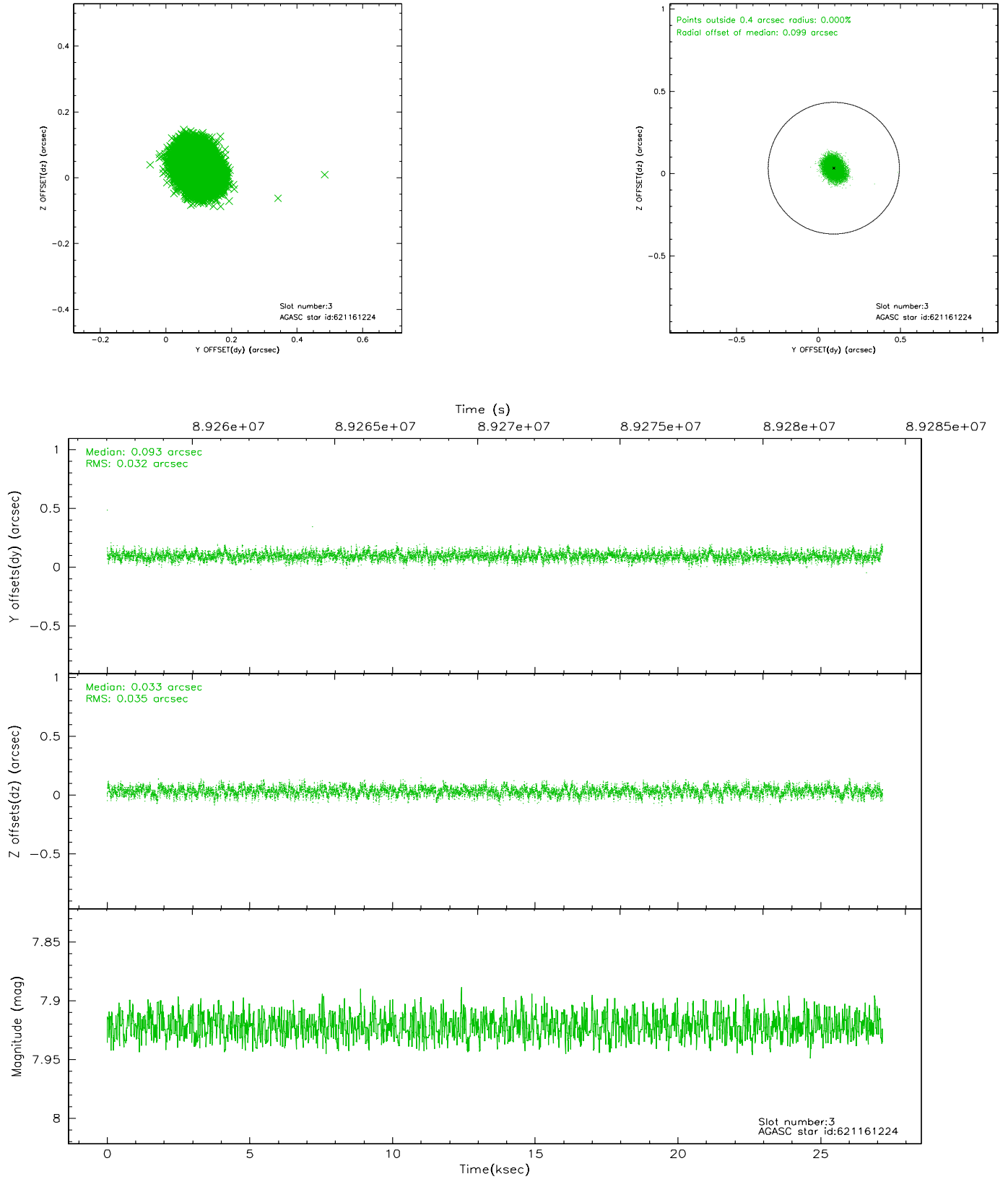


Slot Statistics

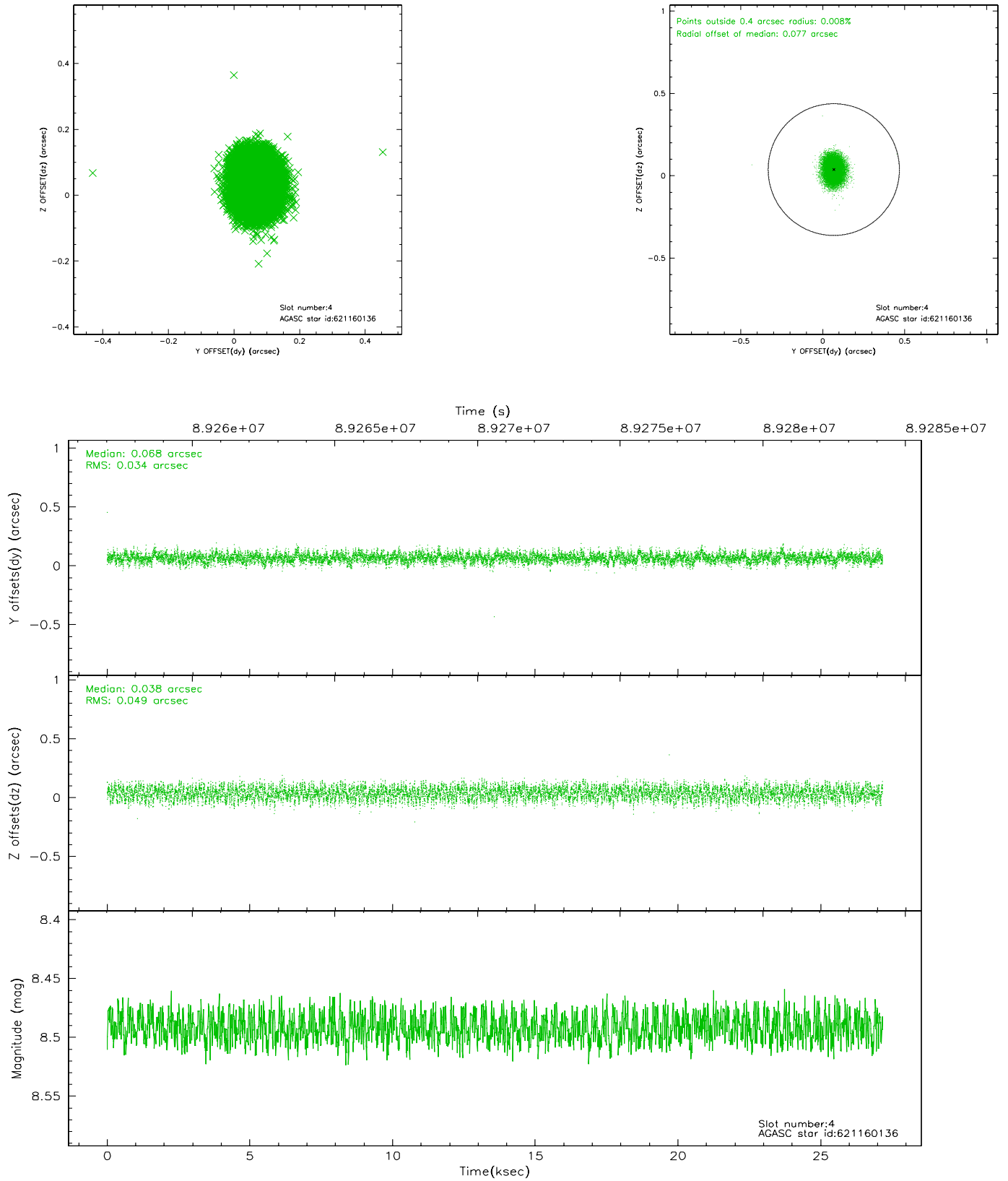
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.12	6629	-0.032	0.018	0.010	0.019	0.000000	0.000000	-754.96	-1726.99
1	FID	ACIS-S-4	7.20	6629	-0.050	0.010	0.012	0.022	0.000000	0.000000	2158.22	181.42
2	FID	ACIS-S-5	7.24	6629	0.050	-0.019	0.008	0.013	0.000000	0.000000	-1807.63	175.12
3	GUIDE	621161224	7.92	13257	0.093	0.033	0.051	0.082	70.234546	-3.517454	-2269.81	-566.65
4	GUIDE	621160136	8.49	13256	0.068	0.038	0.064	0.101	70.727879	-3.324427	-865.95	-1852.99
5	GUIDE	621154624	8.97	13251	-0.098	-0.133	0.057	0.093	70.402746	-2.451192	1442.86	579.51
6	GUIDE	621154496	8.63	13258	-0.054	0.081	0.053	0.088	70.732100	-2.663664	1277.26	-820.36
7	GUIDE	621151192	9.92	13249	-0.011	-0.017	0.093	0.153	70.235475	-2.692308	398.90	737.83

2.4 Star Slots

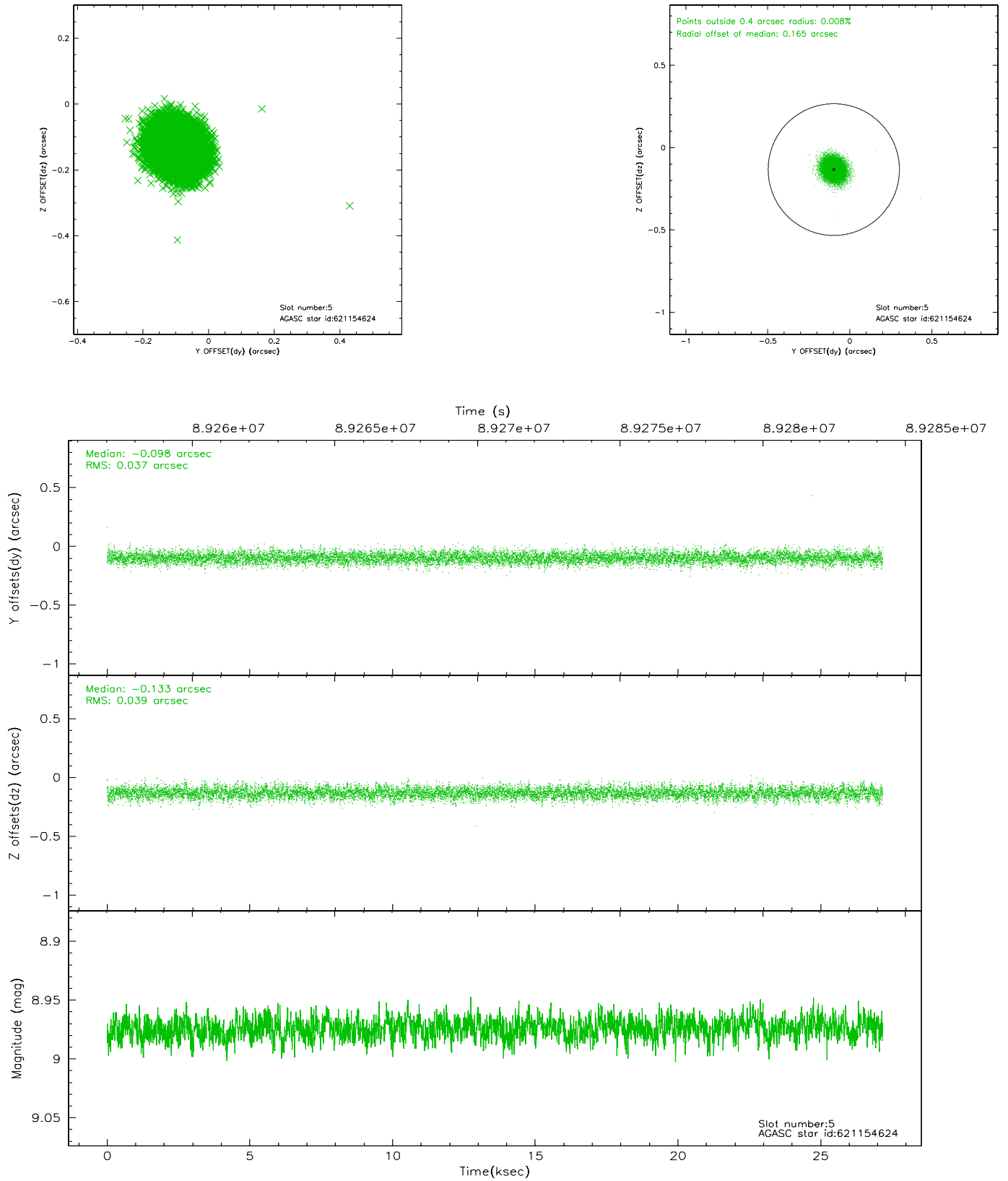
2.4.1 Slot 3



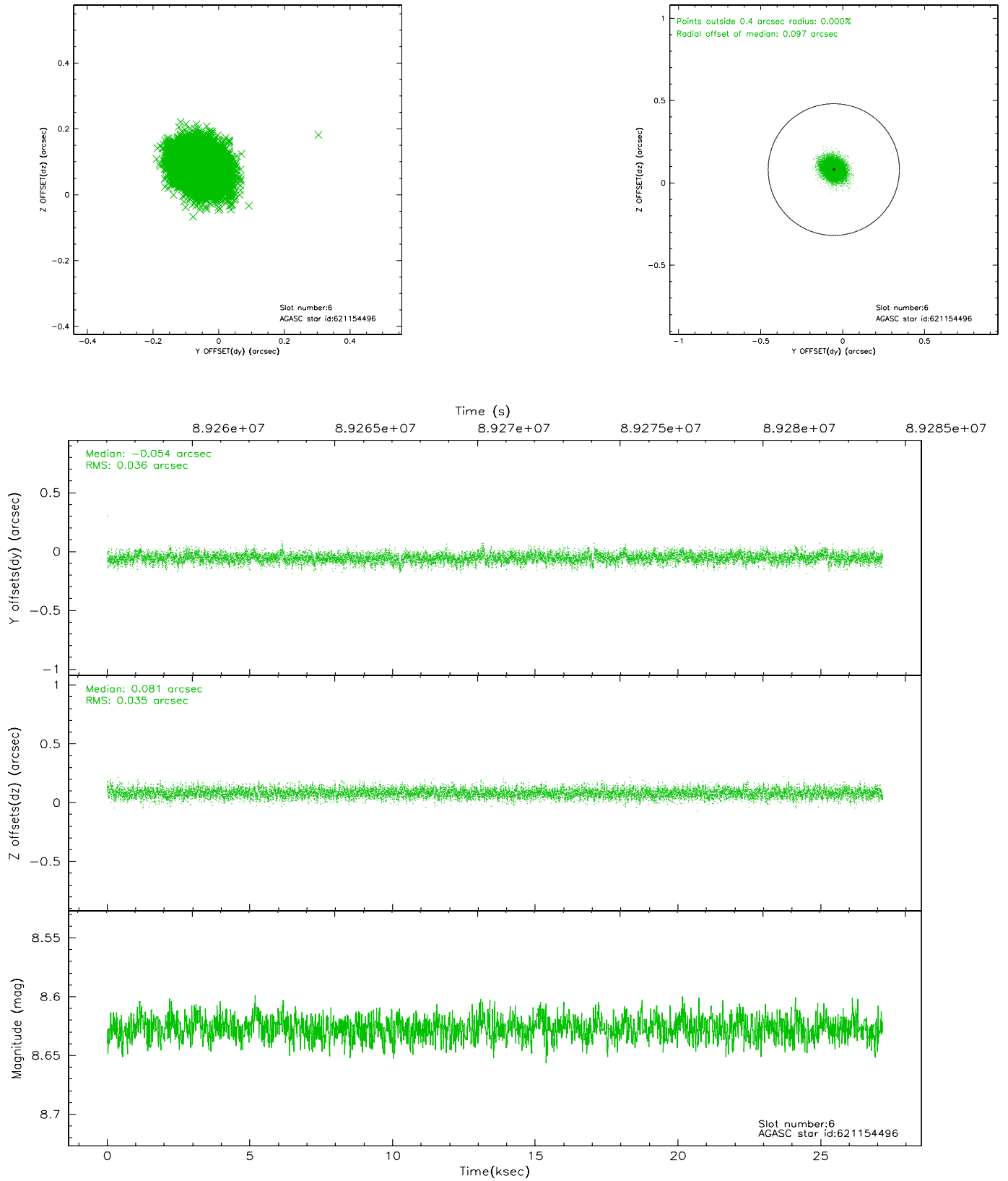
2.4.2 Slot 4



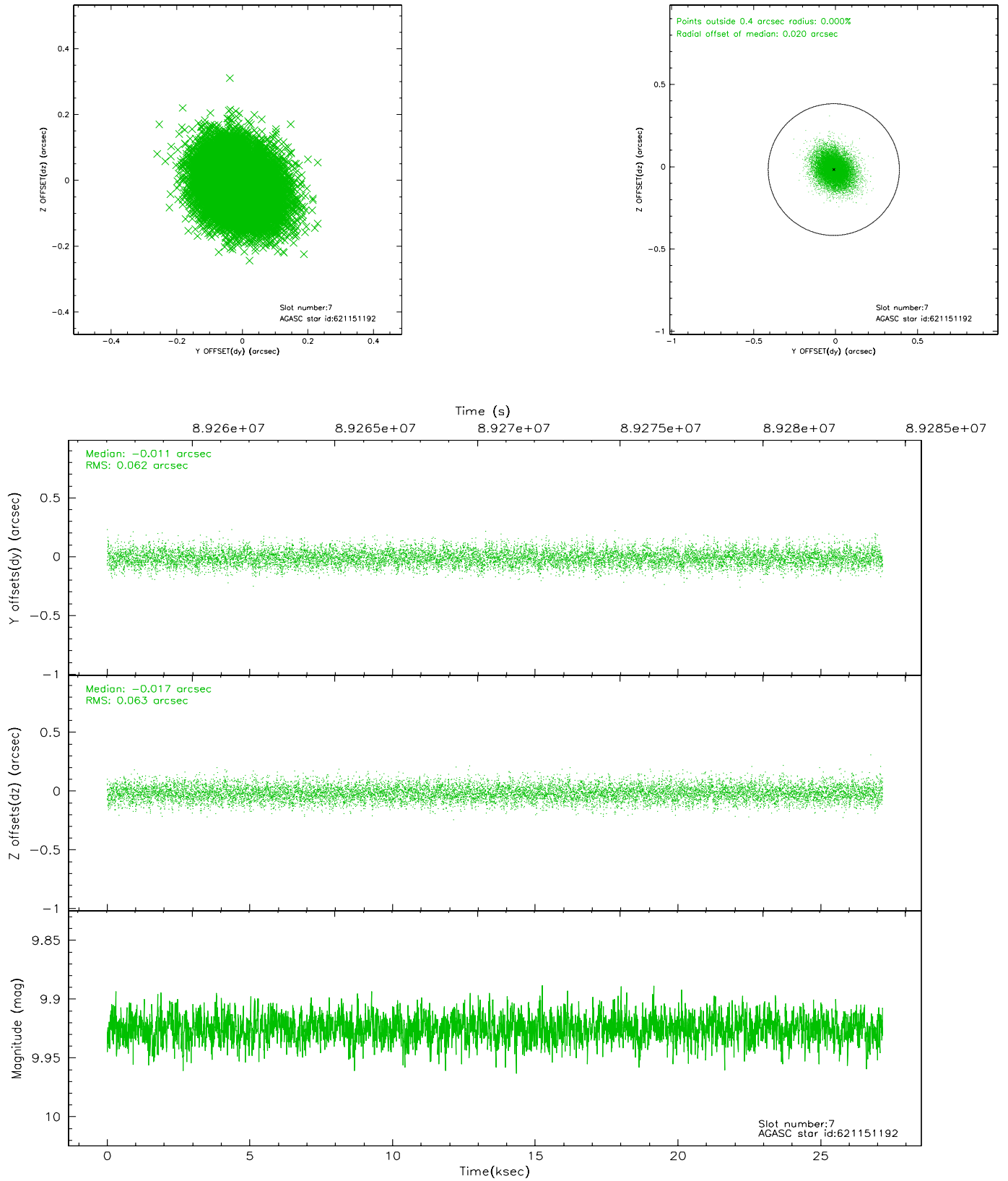
2.4.3 Slot 5



2.4.4 Slot 6

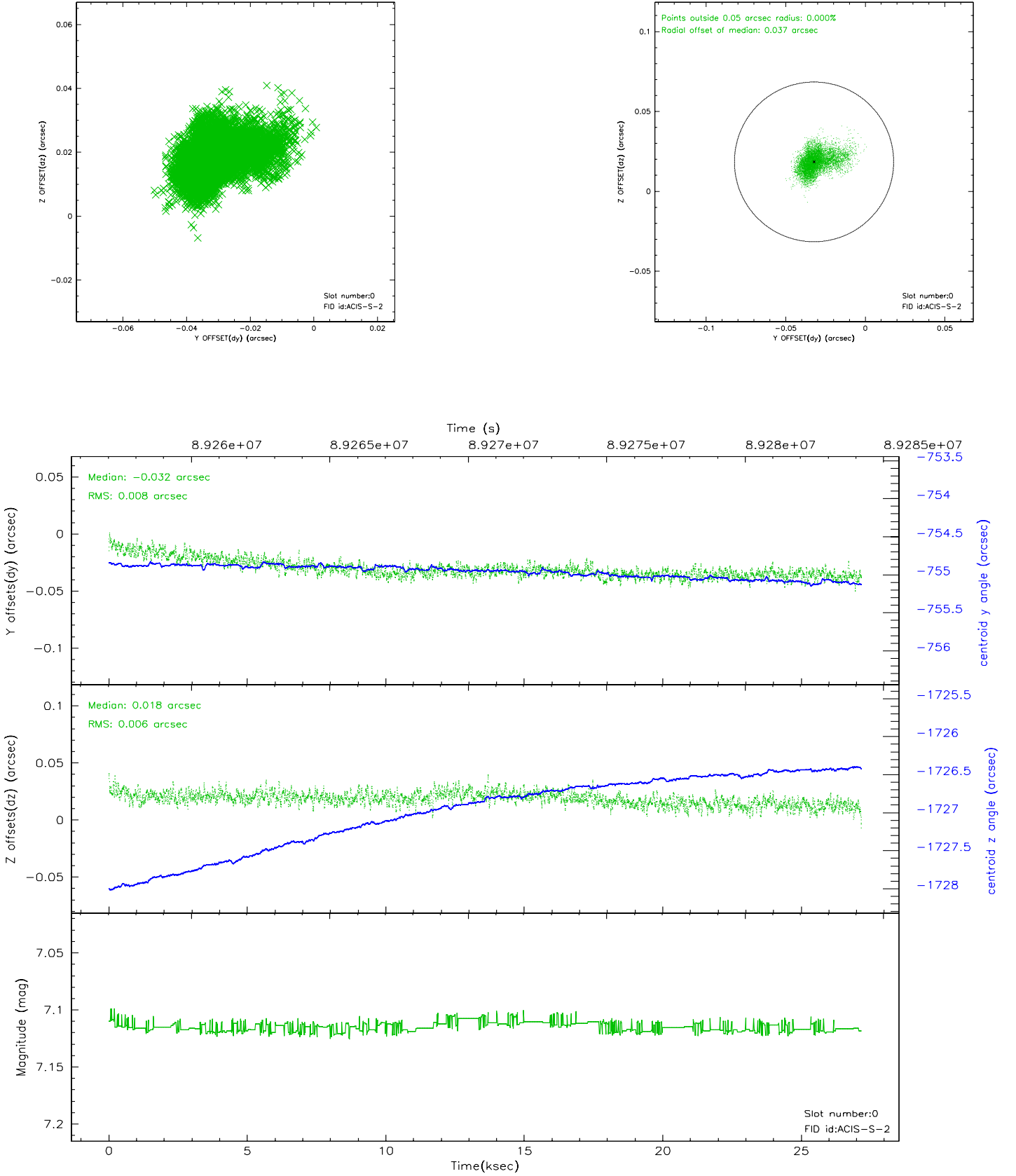


2.4.5 Slot 7

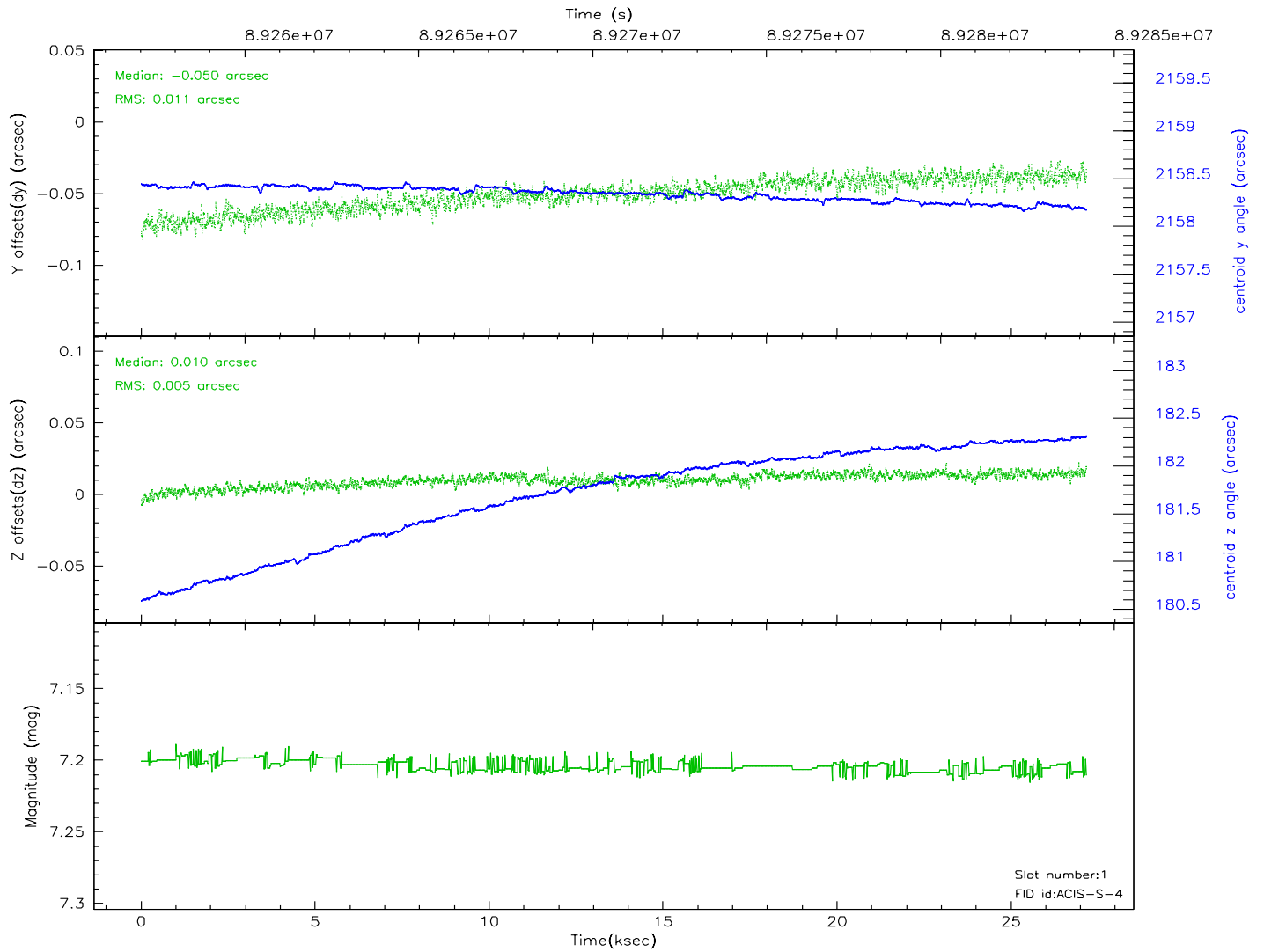
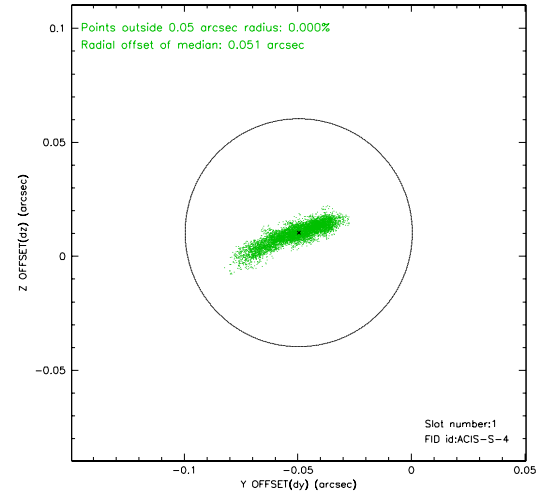
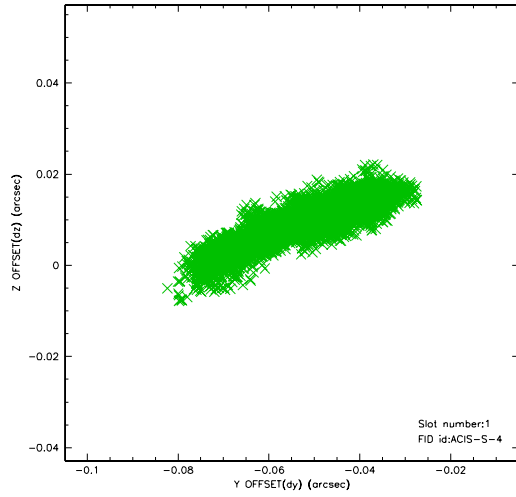


2.5 FID Slots

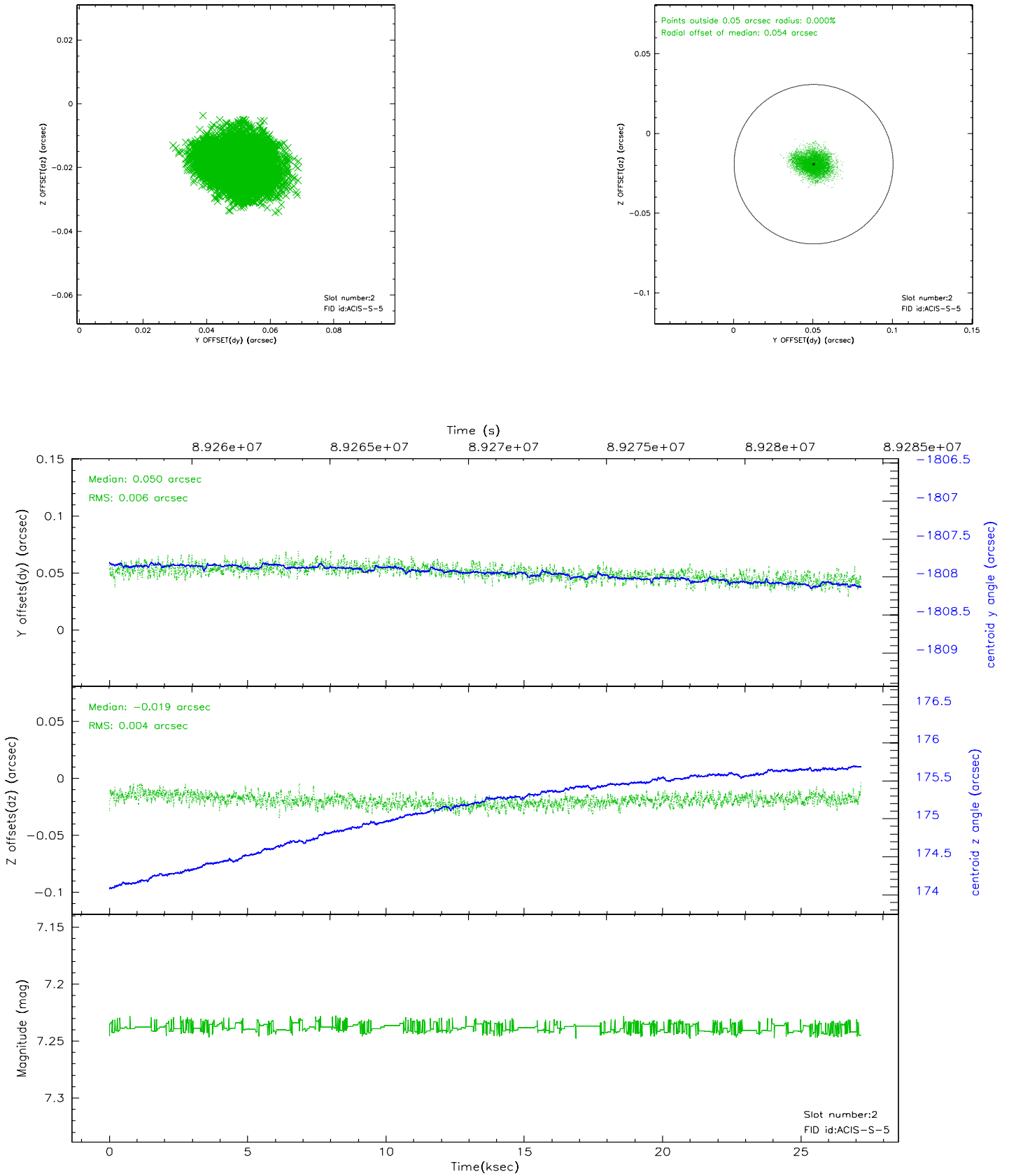
2.5.1 Slot 0



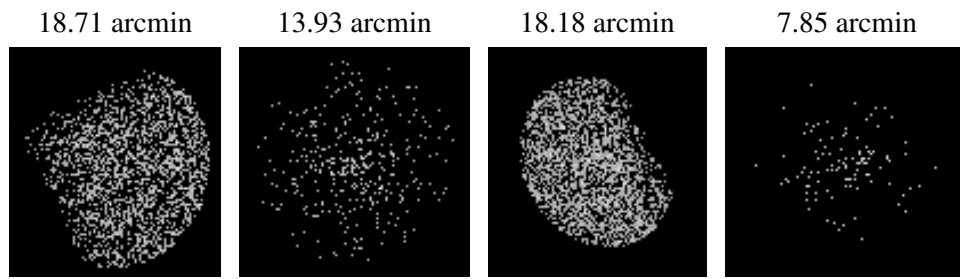
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.06.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	26.758

A.2 Comments