

V&V Reference Report

L2 ASCDS Version : 7.6.8

Observation 4480 - L2 Version 001
Chandra X-Ray Center

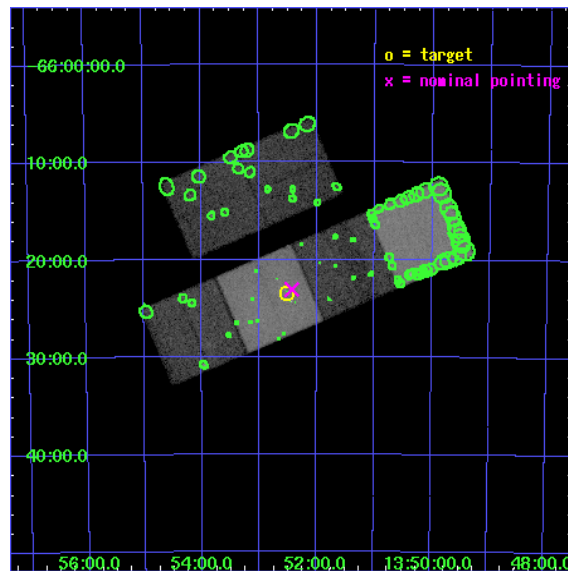
L2 Processing Date : Jun 30 2006

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
3	Point Sources	17
A	Summary	18
A.1	Status	18
A.2	Comments	18

1 Front

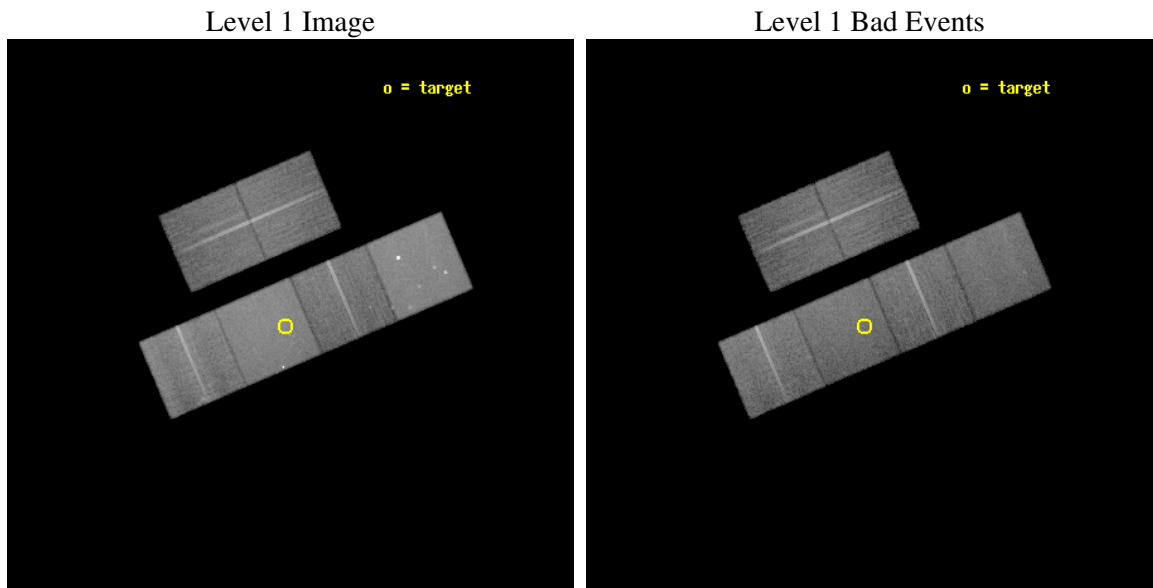
seq_num	200249
obs_id	4480
title	The Early Onset of X-ray Emission from Planetary Nebulae
observer	Prof. Joel Kastner
object	Hen 2-99
dtcycle	0
cycle	P
ra_targ	208.1275
dec_targ	-66.39
ra_nom	208.10737162903
dec_nom	-66.384720613033
roll_nom	156.87278094336
revision	2
ontime	29113.599891543
livetime	28744.945959611
ontime2	29113.599891543
ontime3	29113.599891543
ontime5	29113.599891543
ontime6	29113.599891543
ontime7	29113.599891543
ontime8	29113.599891543
l2events	319854



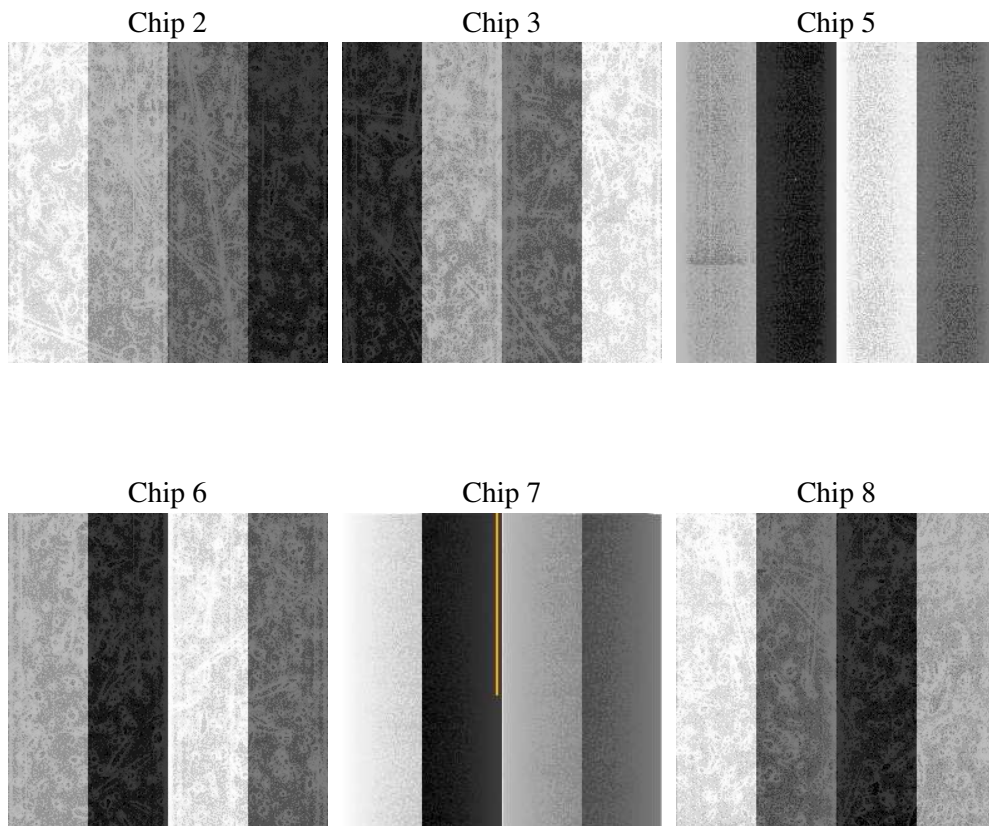
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0
ascdsver	7.6.8
caldsver	3.2.2
date	2006-06-30T13:38:27
revision	2

sched_exp_time	29011.000000
ontime	29117.141632259
ontime2	29117.141612381
ontime3	29117.141632259
ontime5	29117.141632259
ontime6	29117.141612381
ontime7	29117.141632259
ontime8	29117.141612381
l1events	1259146

2.1.4 Events

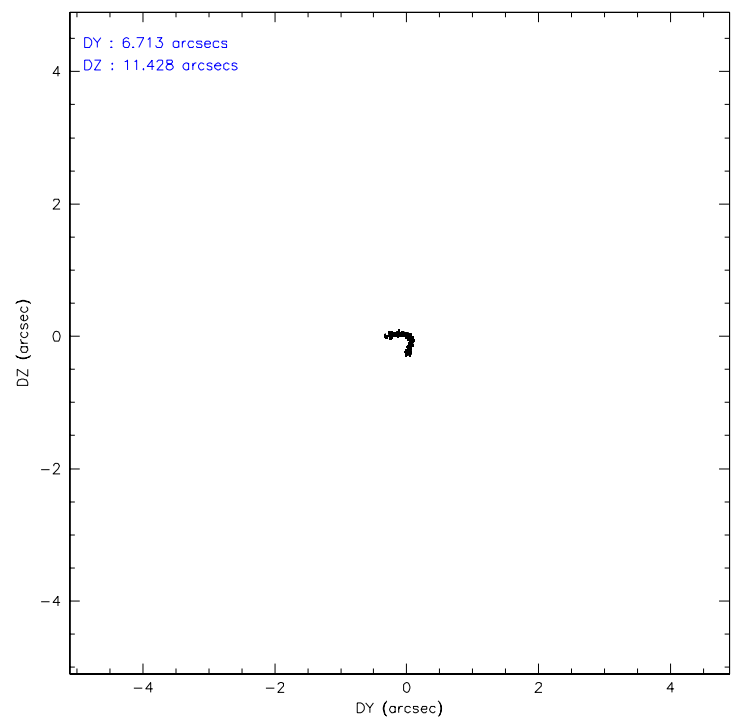
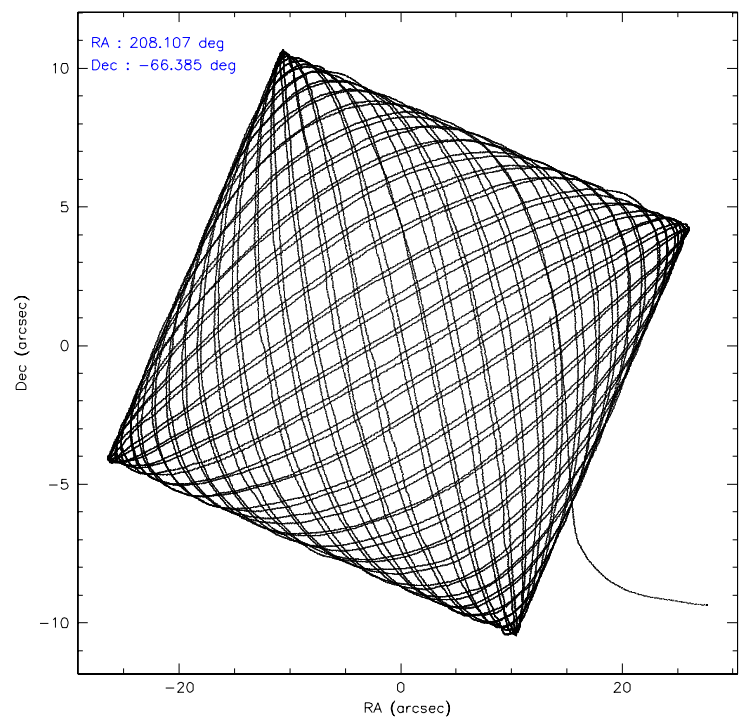
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	173593	163300	277637	174271	250780	219565
rejected events	149271	140134	142376	148110	141669	166448
rejected %	85%	85%	51%	84%	56%	75%

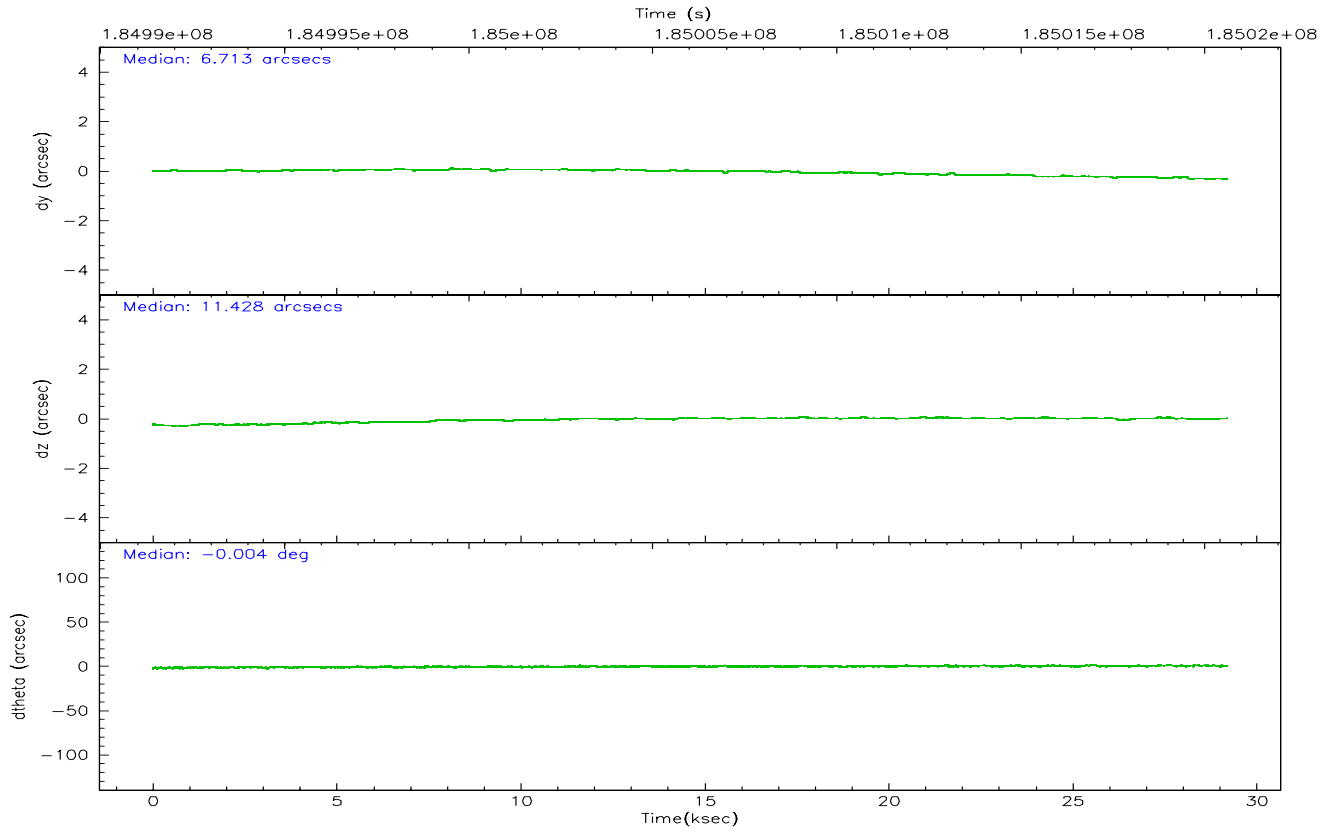
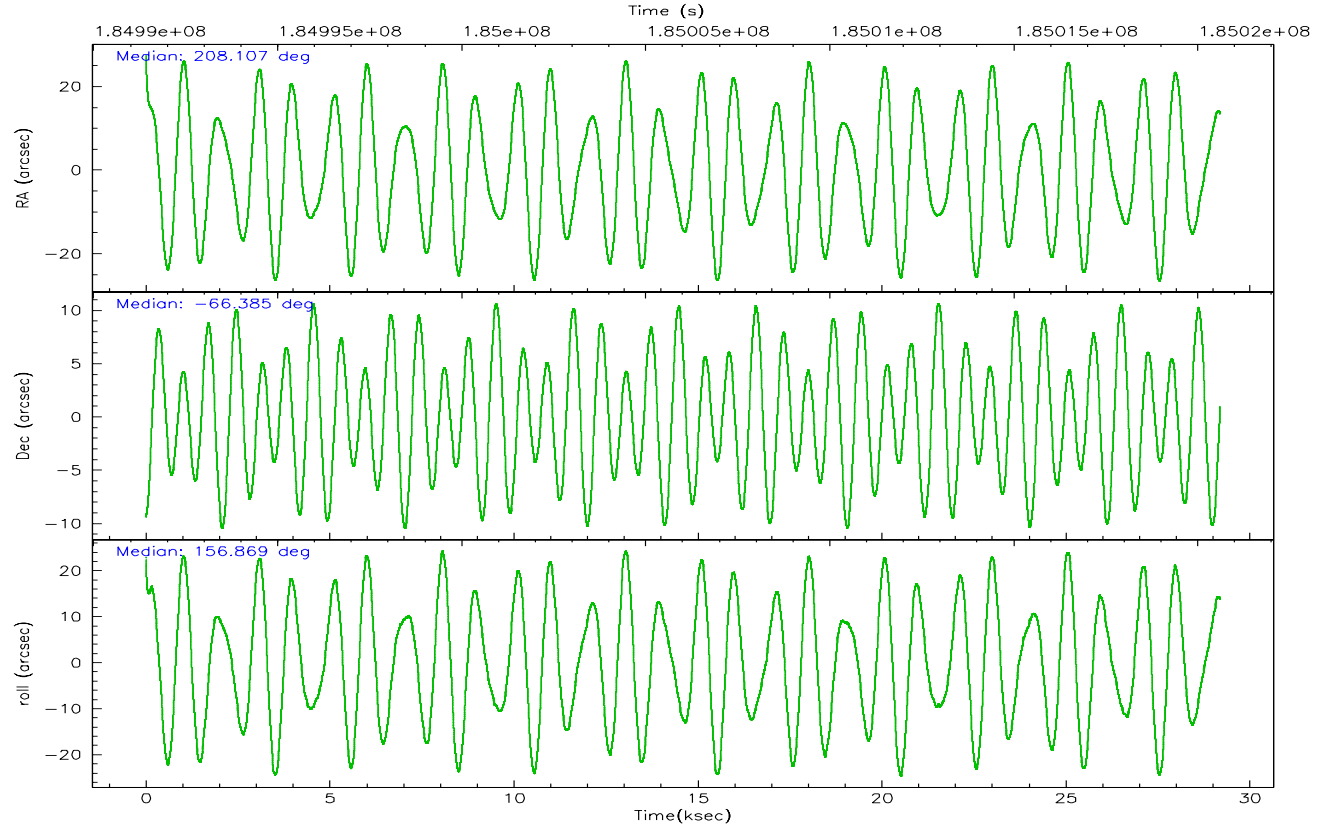
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
grade 0 events	11931	11081	17274	12556	8145	19715
	6%	6%	6%	7%	3%	8%
grade 1 events	107	101	217	105	143	152
	0%	0%	0%	0%	0%	0%
grade 2 events	4868	4361	40645	5137	26513	10910
	2%	2%	14%	2%	10%	4%
grade 3 events	1997	1953	3487	2070	5989	5428
	1%	1%	1%	1%	2%	2%
grade 4 events	1998	2039	3223	2080	5928	5063
	1%	1%	1%	1%	2%	2%
grade 5 events	6805	7387	12051	7666	15173	10176
	3%	4%	4%	4%	6%	4%
grade 6 events	3530	3733	70643	4321	62552	12004
	2%	2%	25%	2%	24%	5%
grade 7 events	142357	132645	130097	140336	126337	156117
	82%	81%	46%	80%	50%	71%

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	On-chip summing requested	N	N
Observation mode	POINTING	POINTING	Subarray requested	NONE	NONE
Pointing RA	208.174656	208.1073716290274	Alternating exposures requested	N	N
Pointing Dec	-66.381072	-66.38472061303349	Primary exposure time	0.000000	3.2
Pointing Roll	156.777807	156.8727809433598			
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	184991605.184000	184990574.52333			
Observation start date	2003-11-12T02:32:21	2003-11-12T02:16:14			
Observation end time	185020616.184000	185021217.92466			
Observation end date	2003-11-12T10:35:52	2003-11-12T10:46:57			
Read mode	TIMED	TIMED			

2.3 Aspect



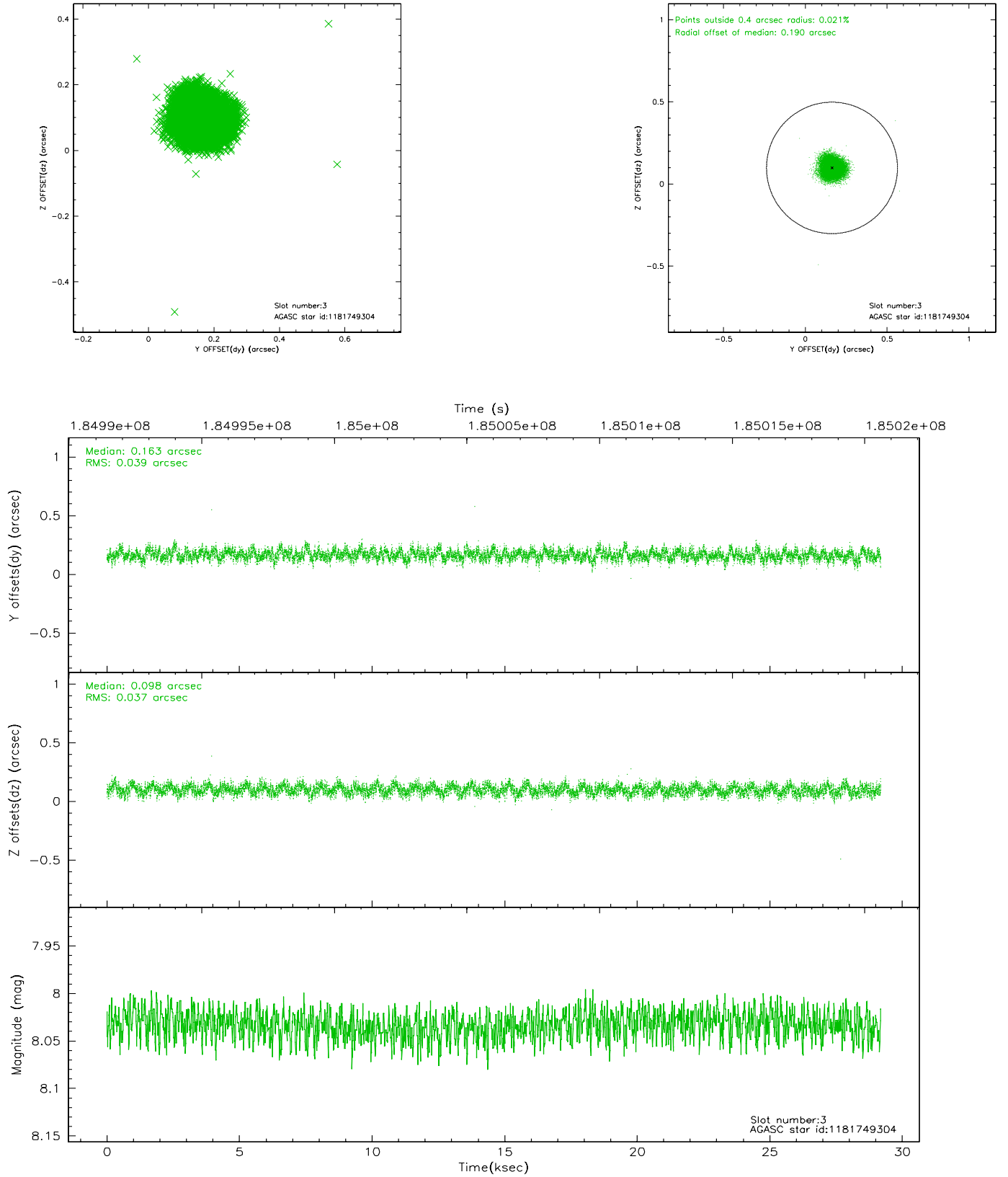


Slot Statistics

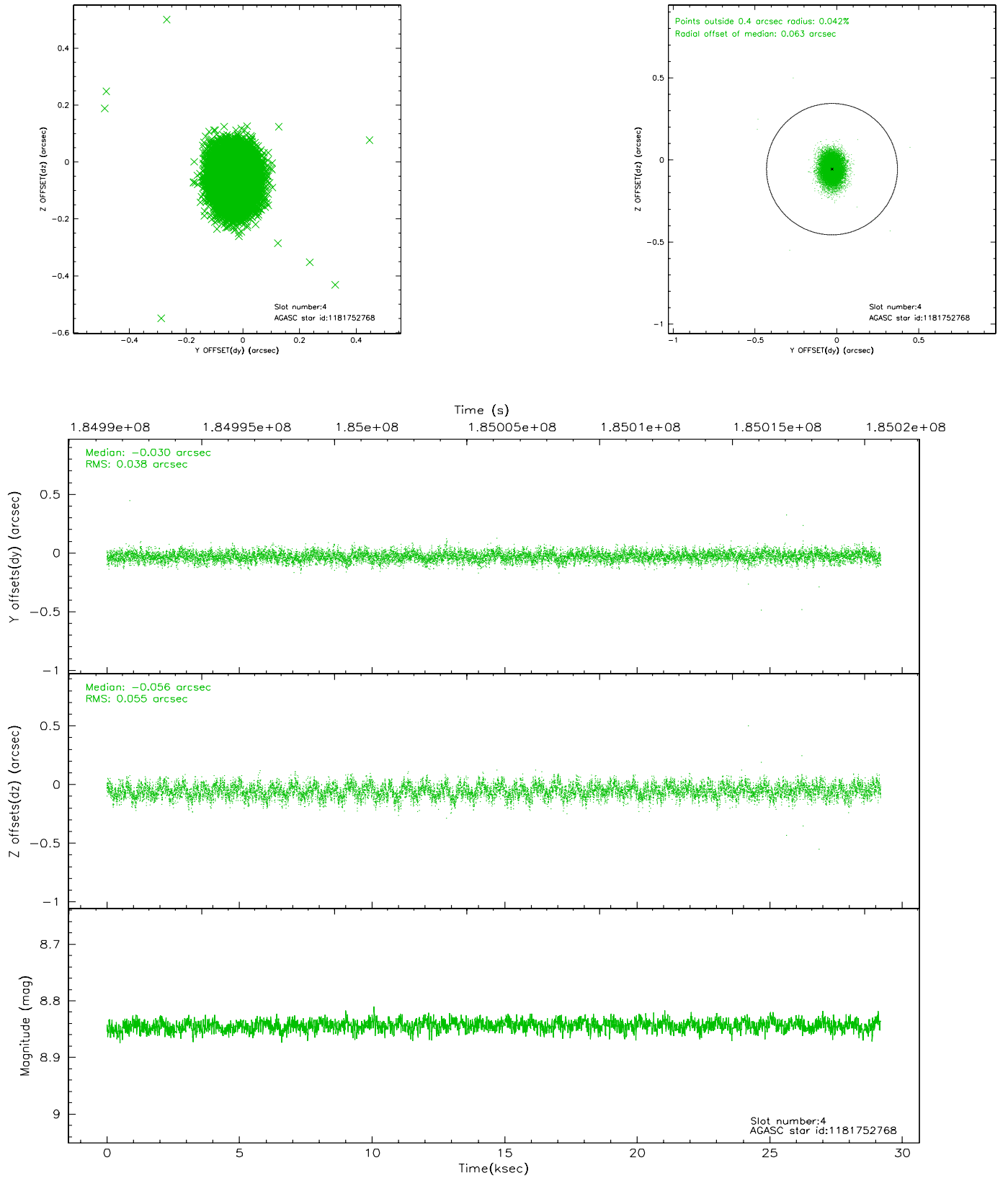
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-1	7.18	7121	0.020	-0.060	0.007	0.013	0.000000	0.000000	936.61	-1728.37
1	FID	ACIS-S-5	7.23	7120	-0.008	0.019	0.007	0.011	0.000000	0.000000	-1812.33	169.24
2	FID	ACIS-S-6	7.34	7121	-0.033	0.053	0.008	0.013	0.000000	0.000000	402.08	813.28
3	GUIDE	1181749304	8.03	14237	0.163	0.098	0.058	0.091	206.326659	-66.754661	1867.25	2307.19
4	GUIDE	1181752768	8.84	14239	-0.030	-0.056	0.070	0.114	209.314371	-66.275722	-1373.01	-985.46
5	GUIDE	1181757880	8.70	14239	-0.033	0.034	0.071	0.115	207.575549	-66.823069	151.00	1800.80
6	GUIDE	1181759232	7.03	14242	-0.062	0.015	0.049	0.077	208.961383	-66.386458	-1052.75	-422.55
7	GUIDE	1181759792	8.19	14238	-0.043	-0.089	0.065	0.101	208.447476	-66.784712	-929.01	1183.54

2.4 Star Slots

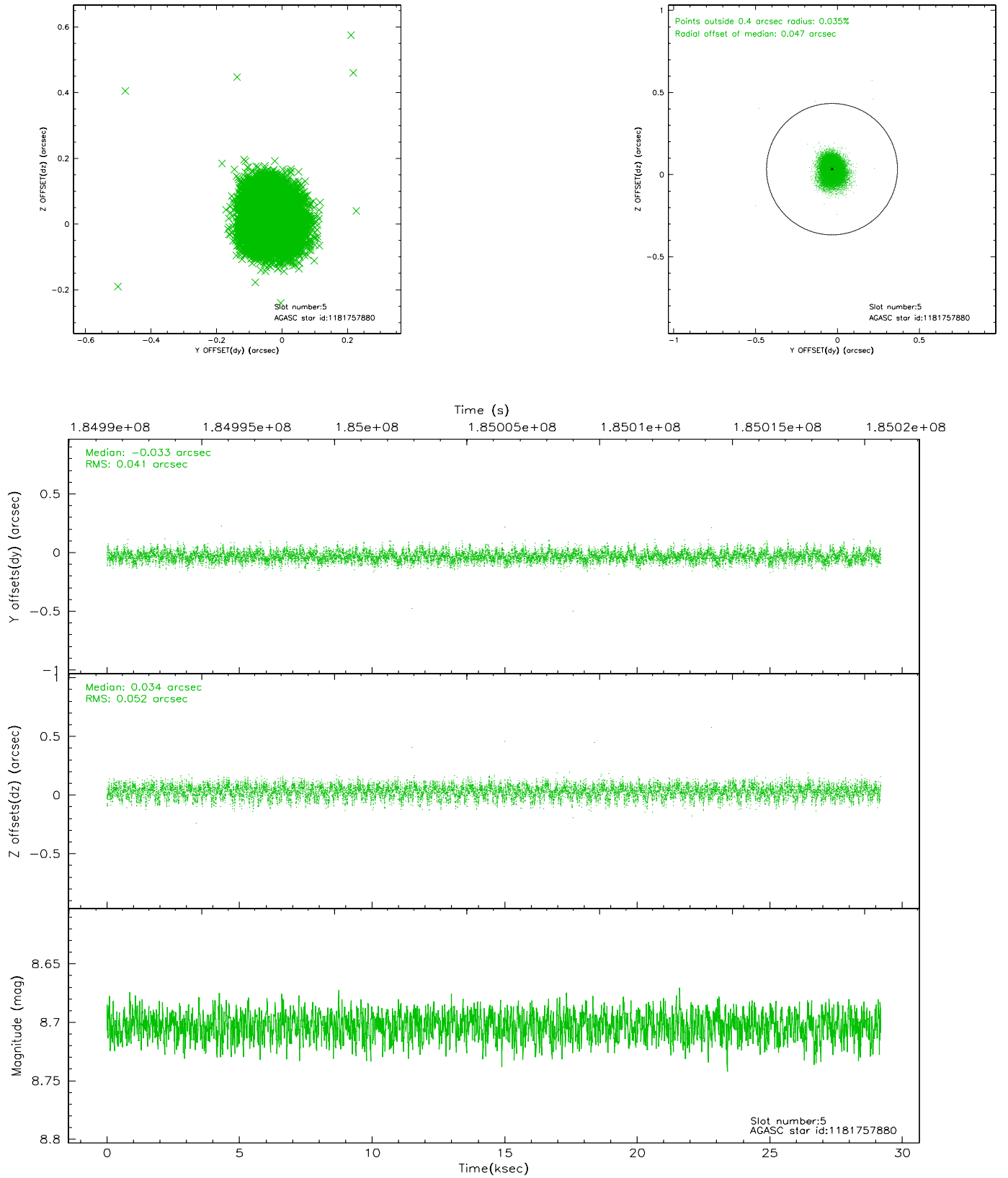
2.4.1 Slot 3



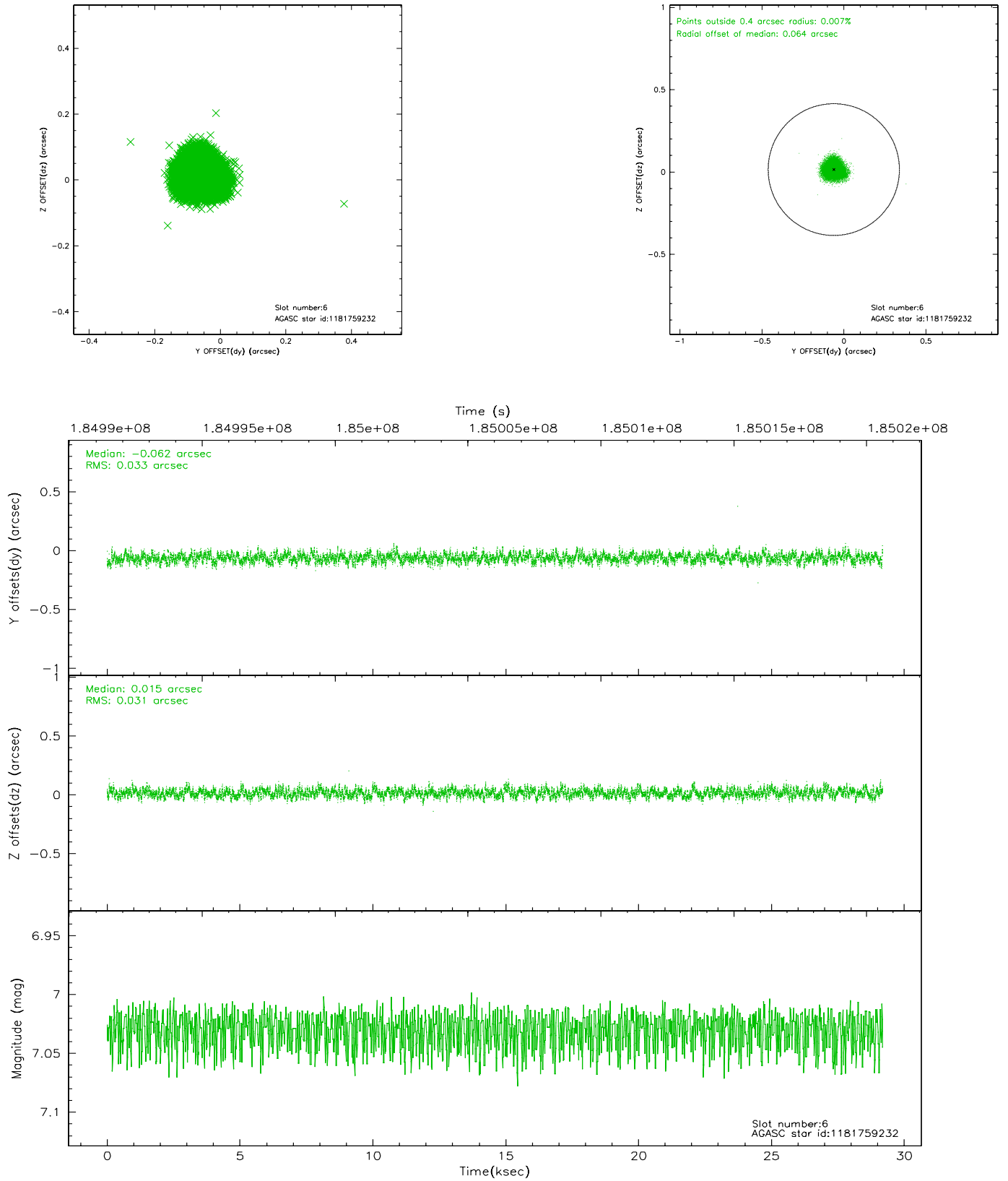
2.4.2 Slot 4



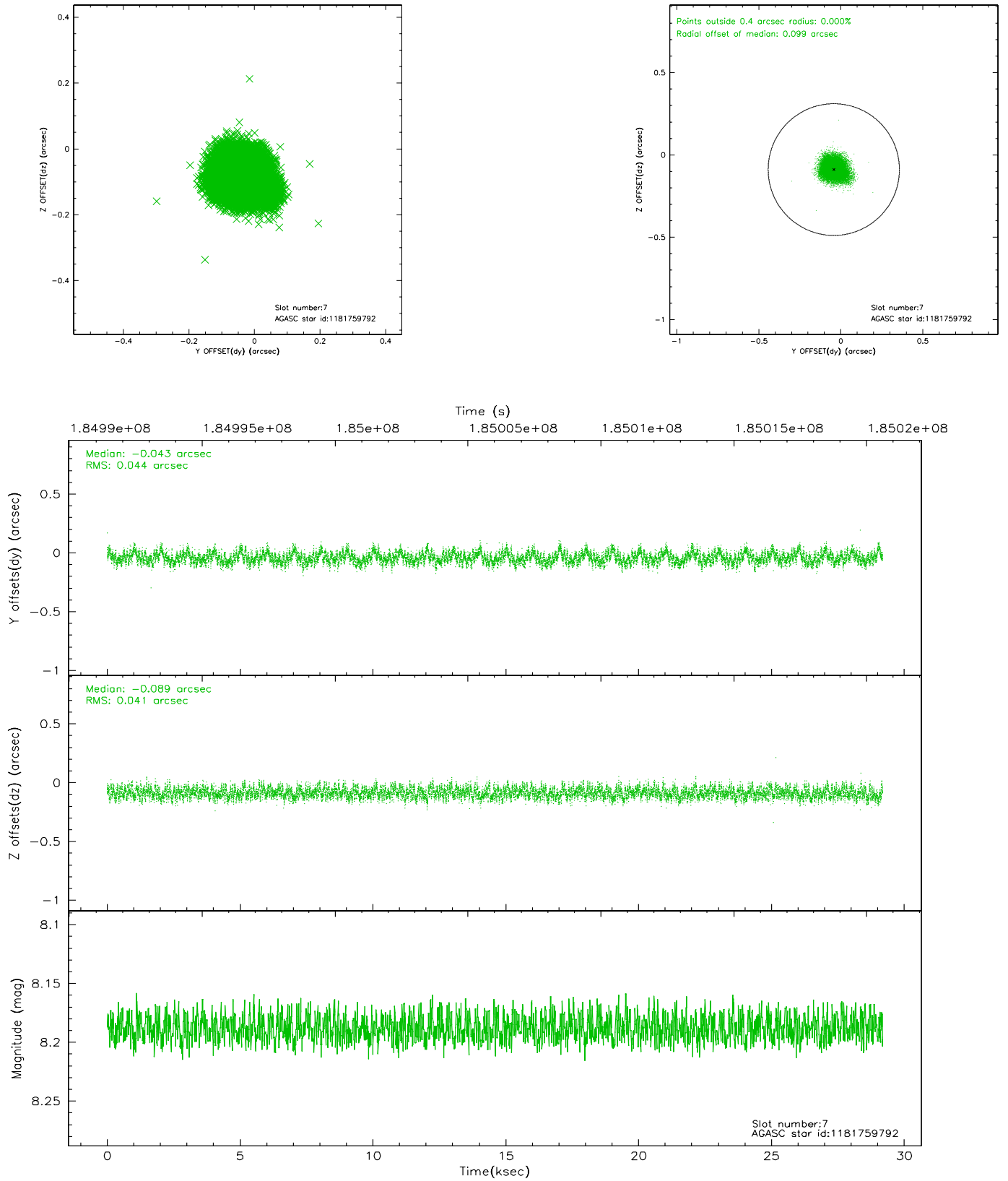
2.4.3 Slot 5



2.4.4 Slot 6

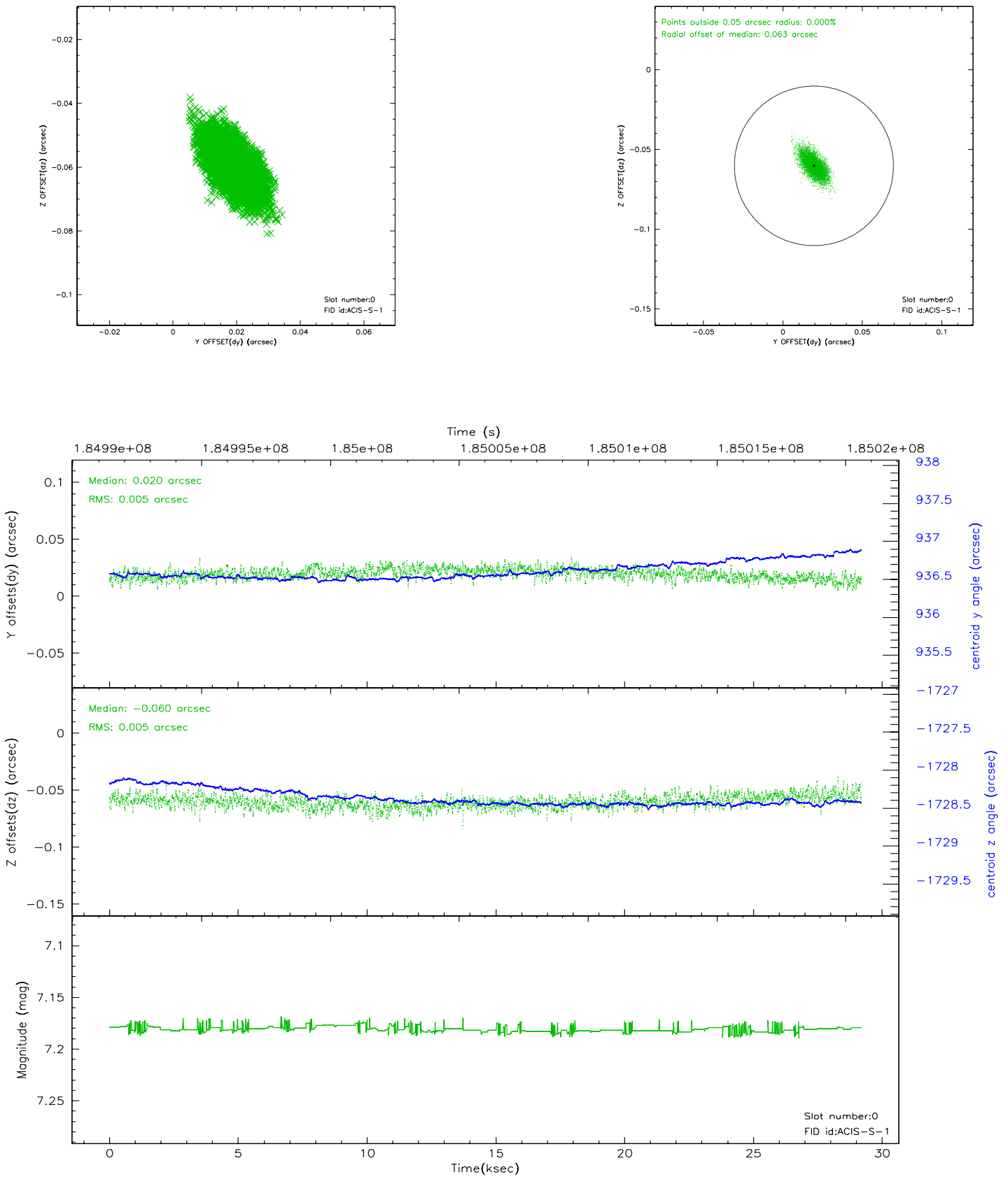


2.4.5 Slot 7

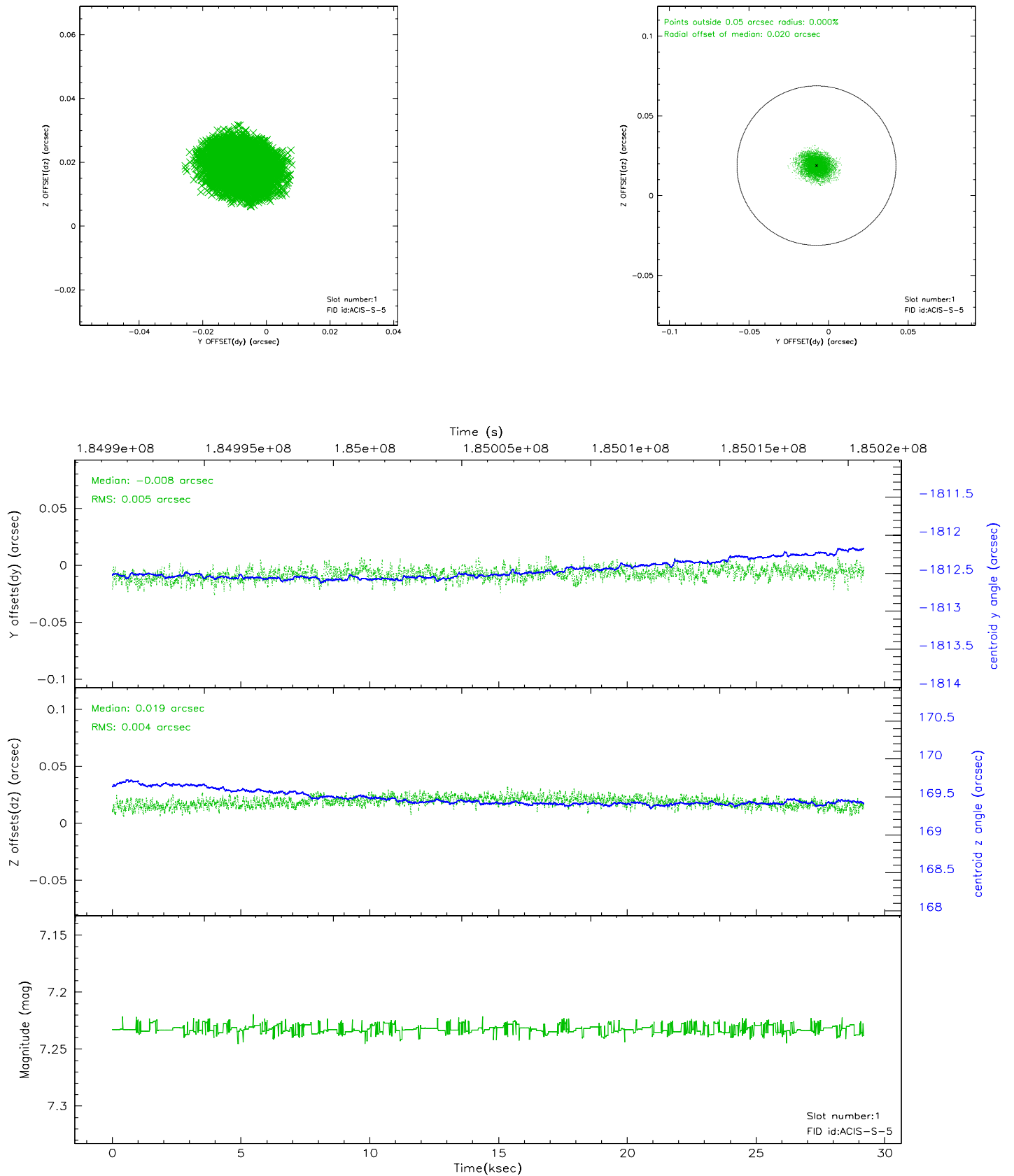


2.5 FID Slots

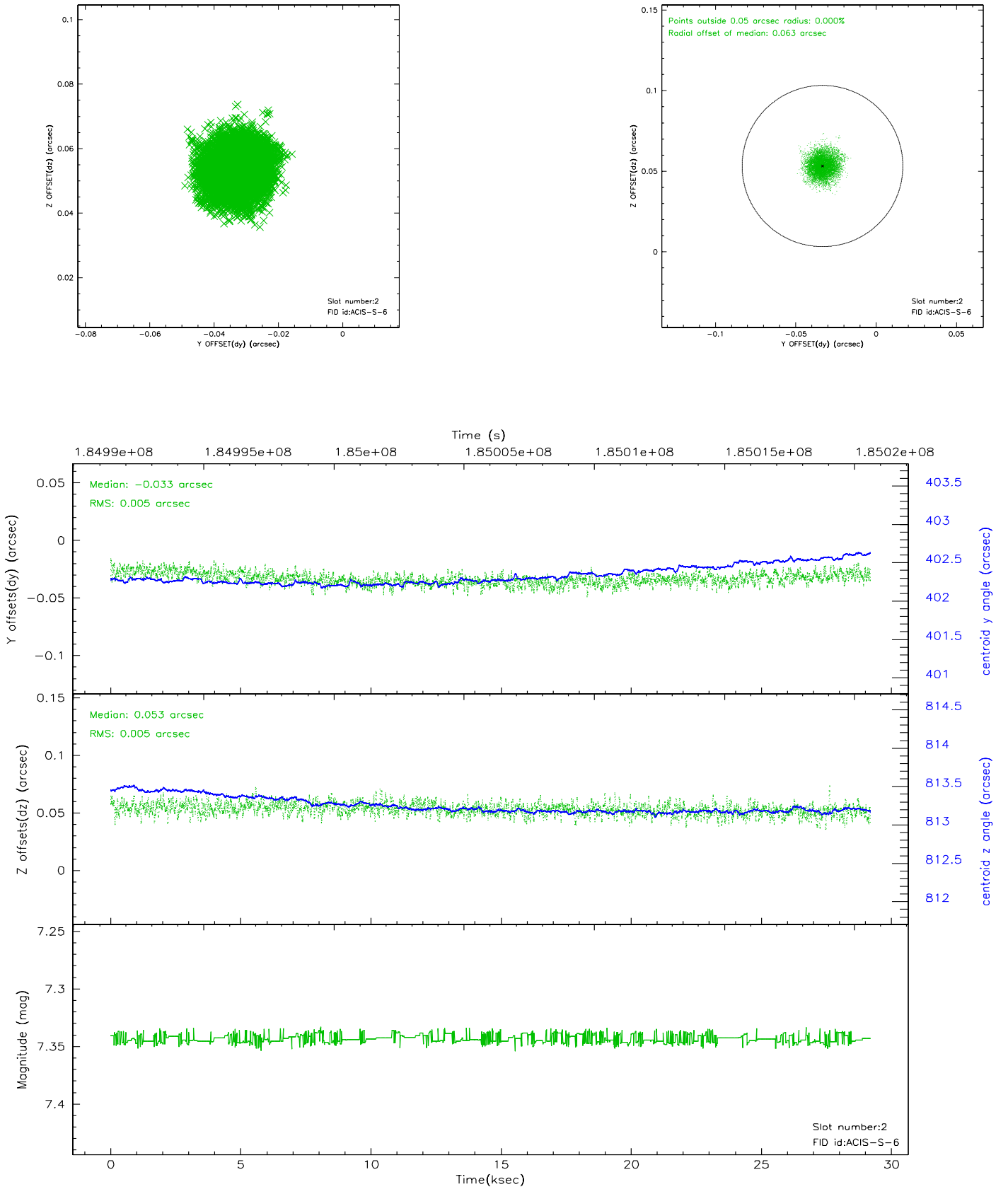
2.5.1 Slot 0



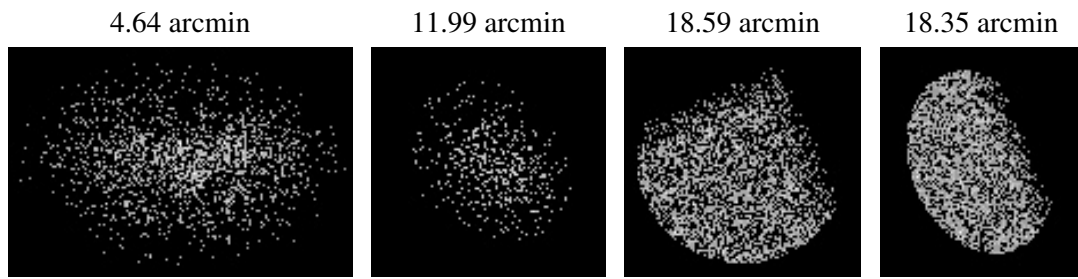
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2006.06.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	29.113

A.2 Comments