

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 2597 - L2 Version 001
Chandra X-Ray Center

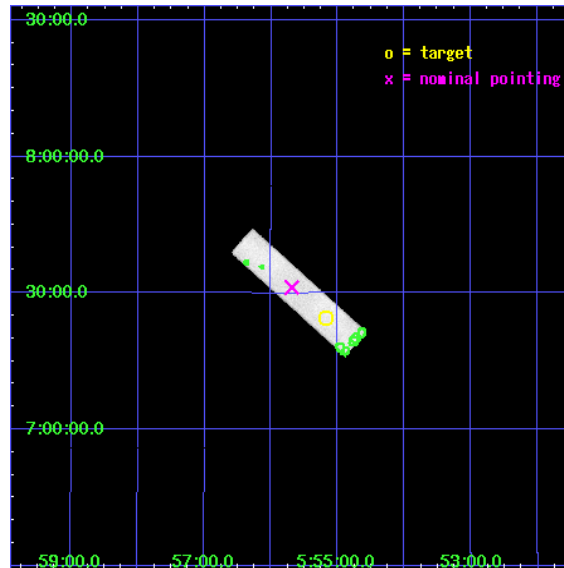
L2 Processing Date : Jan 20 2007

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Parameters	4
2.1.3	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

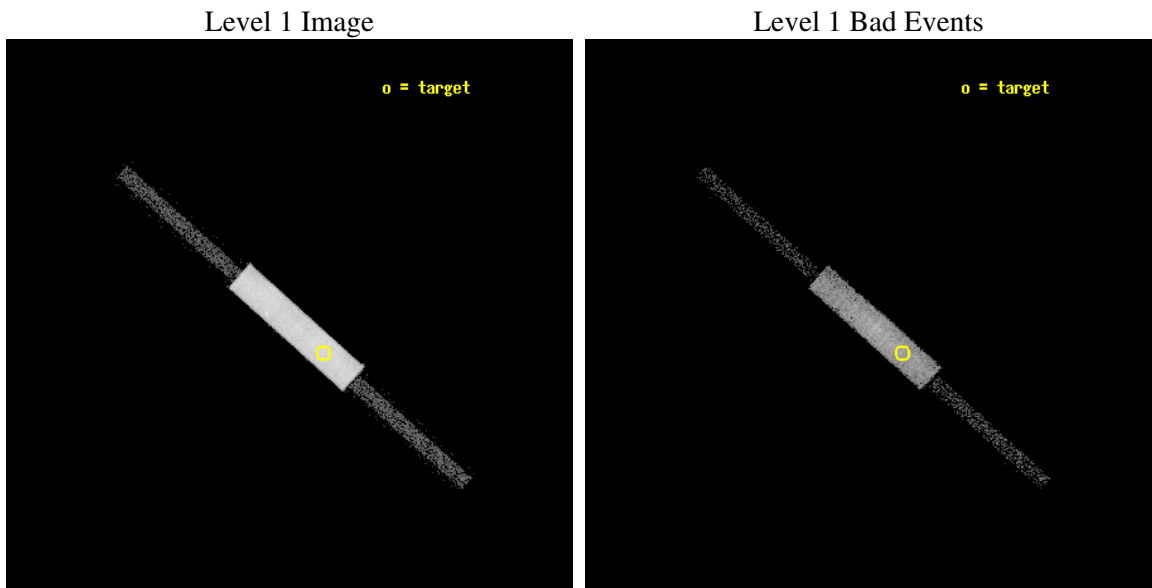
seq_num	290153
obs_id	2597
title	AO3 CALIBRATION OBSERVATIONS OF BETELGEUSE
observer	Dr. CXC Calibration
object	BETELGEUSE
ra_targ	88.792917
dec_targ	7.407056
ra_nom	88.921984490129
dec_nom	7.521101447784
roll_nom	41.704981849967
revision	2
ontime	2143.531335786
livetime	2128.9602638853
l2events	96605



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1
ascdsver	7.6.10
caldbver	3.3.0
date	2007-01-20T14:04:36
revision	2

sched_exp_time	2000.000000
ontime	2143.531335786
l1events	145902

2.1.3 Events

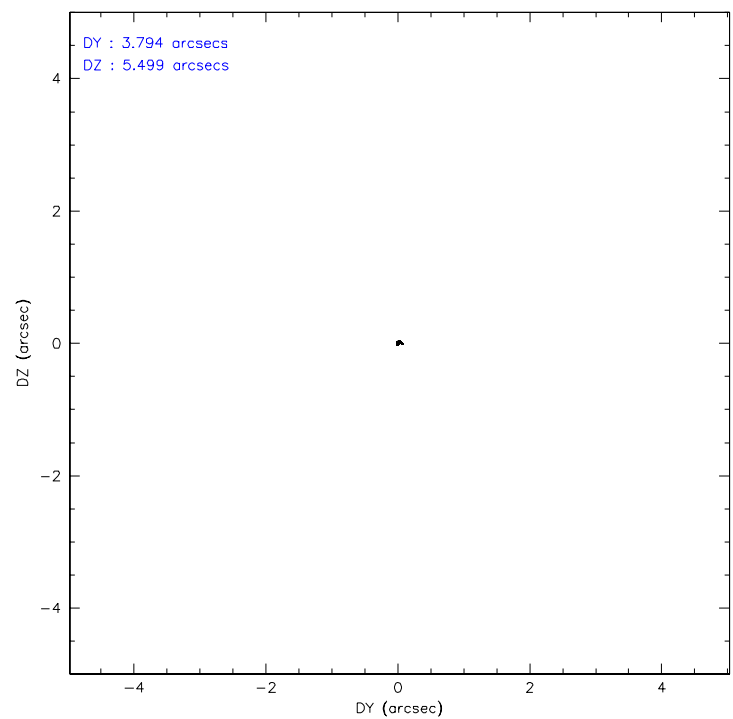
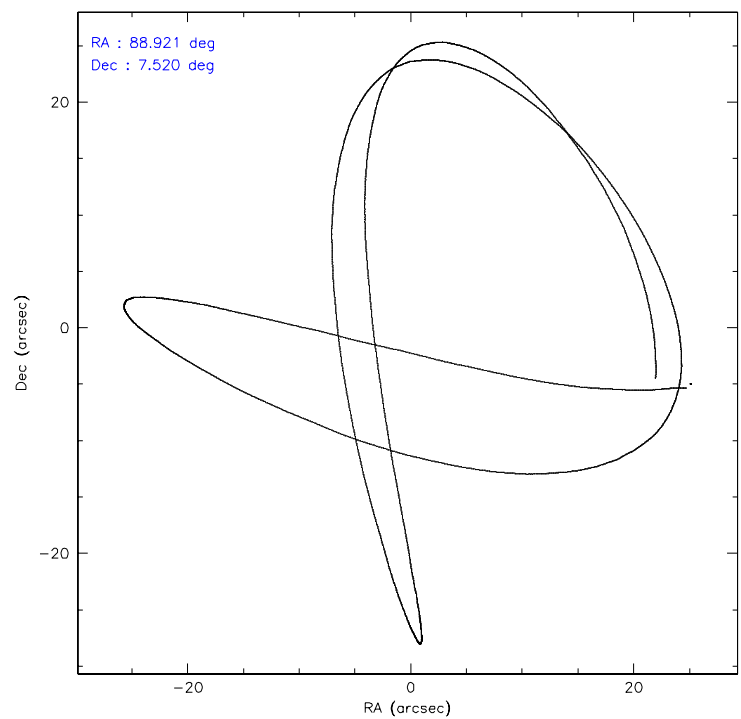
Level 1 Events

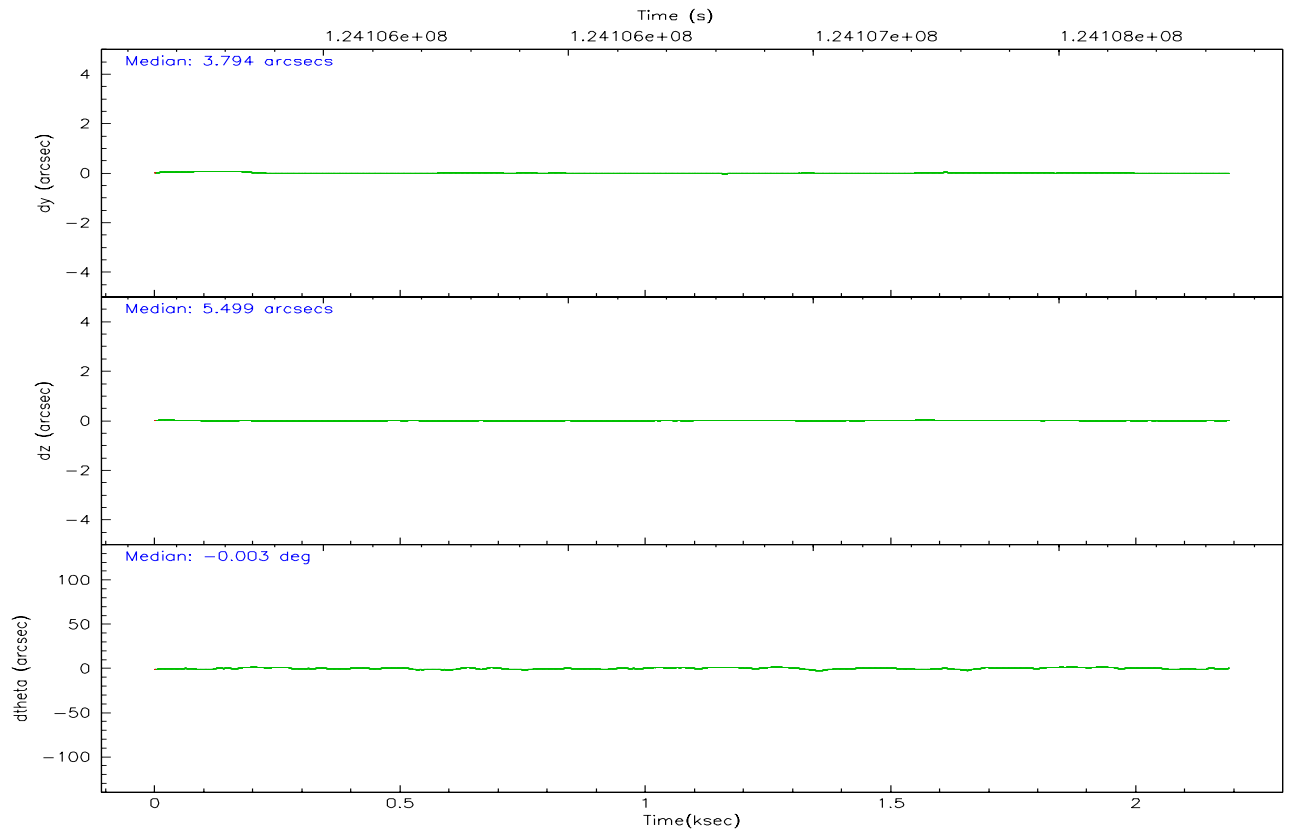
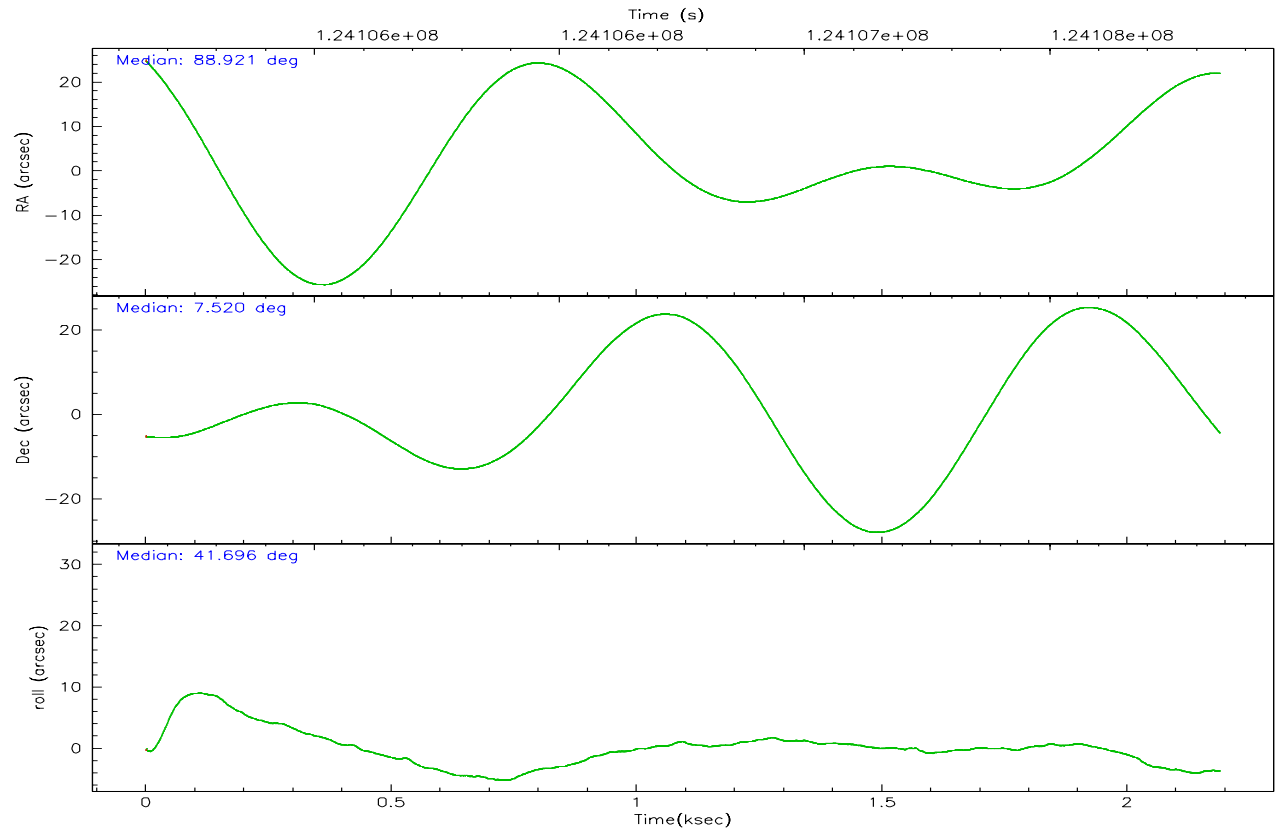
	segment 1	segment 2	segment 3
level 1 events	2471	141192	2239
rejected events	2471	38837	2239
rejected %	100%	27%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	6	6
Detector	HRC-S	HRC-S	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
Pointing RA	88.914451	88.92198449012915			
Pointing Dec	7.493259	7.521101447784033			
Pointing Roll	41.638622	41.70498184996654			
Window start time	123552064.184000	123552064.184000			
Window stop time	126144064.184000	126144064.184000			
SIM focus pos (mm)	-1.429586	-1.428180813131781			
SIM defocus (mm)	0.1037507710433287	0.1051558262725154			
SIM translation stage pos (mm)	250.455976	250.466033080201			
SIM translation stage offset (mm)	0	-0.01005468664627074			
Observation start time	124105845.184000	124105470.00168			
Observation start date	2001-12-07T09:49:41	2001-12-07T09:44:30			
Observation end time	124107845.184000	124107980.22678			
Observation end date	2001-12-07T10:23:01	2001-12-07T10:26:20			

2.3 Aspect



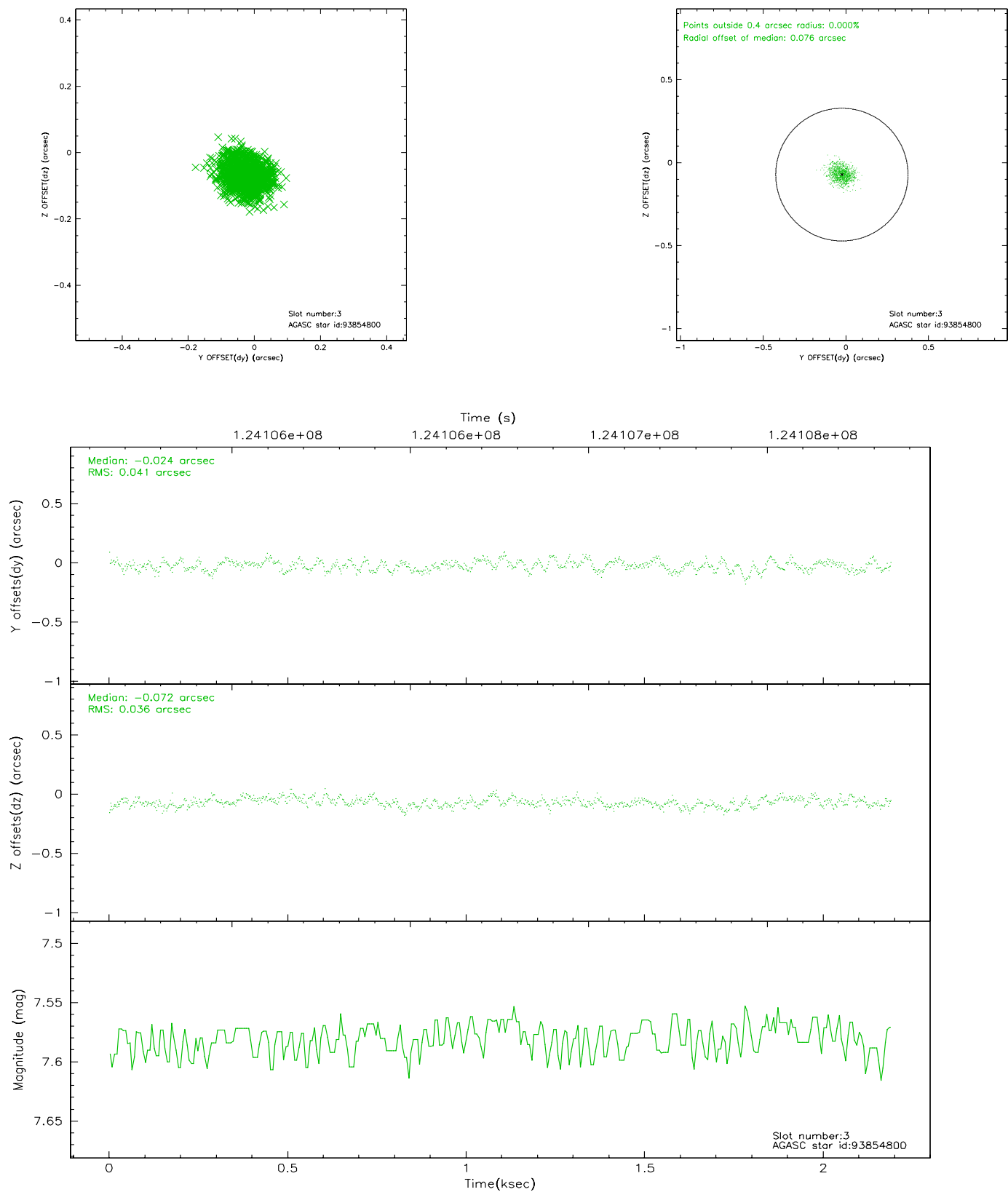


Slot Statistics

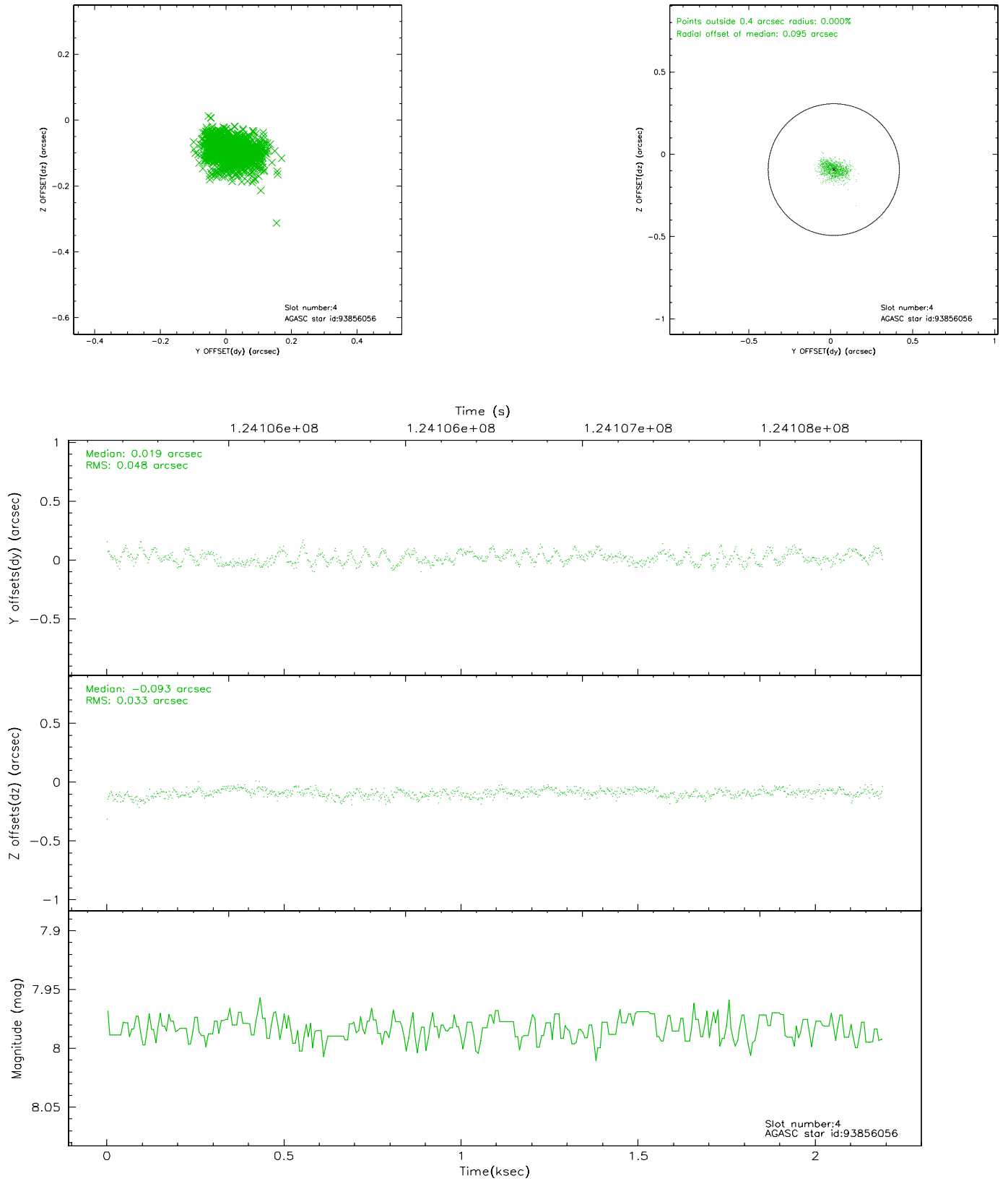
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.99	535	0.161	-0.163	0.010	0.019	0.000000	0.000000	-1157.85	-454.03
1	FID	HRC-S-2	6.99	535	0.082	-0.093	0.006	0.013	0.000000	0.000000	1239.59	-447.48
2	FID	HRC-S-3	7.01	535	0.147	-0.046	0.008	0.015	0.000000	0.000000	-1158.25	574.78
3	GUIDE	93854800	7.58	1069	-0.024	-0.072	0.059	0.092	88.376308	7.655454	-1045.82	1712.56
4	GUIDE	93856056	7.98	1069	0.019	-0.093	0.062	0.099	88.147460	7.547925	-1913.90	1968.69
5	GUIDE	16913360	8.34	1067	-0.052	0.066	0.069	0.104	89.178373	7.247125	114.95	-1286.47
6	GUIDE	16918912	8.66	1069	-0.027	0.120	0.094	0.148	89.257075	6.922287	-449.11	-2350.70
7	GUIDE	93855168	9.05	1061	0.080	-0.024	0.081	0.136	89.021483	7.846508	1130.65	694.72

2.4 Star Slots

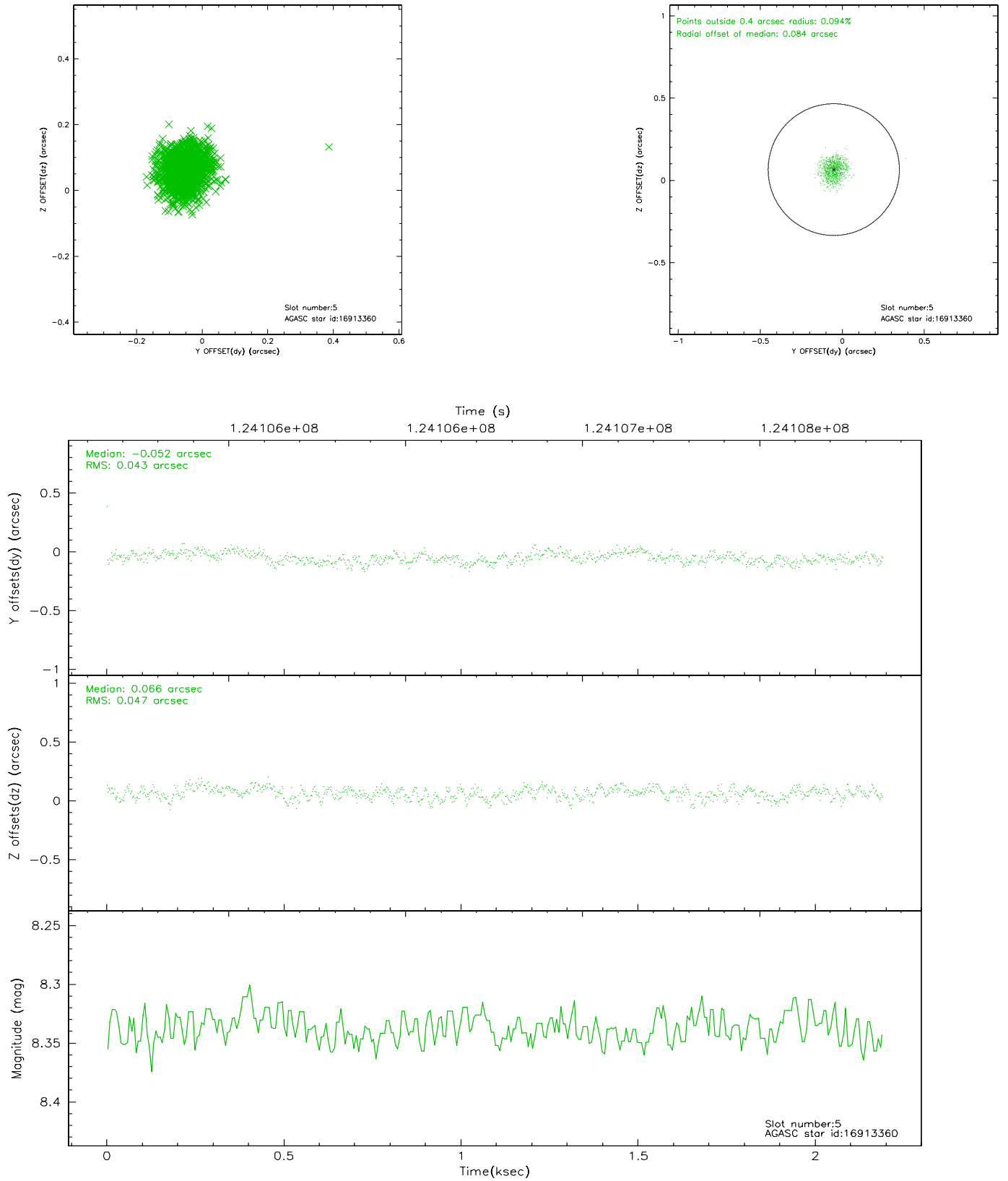
2.4.1 Slot 3



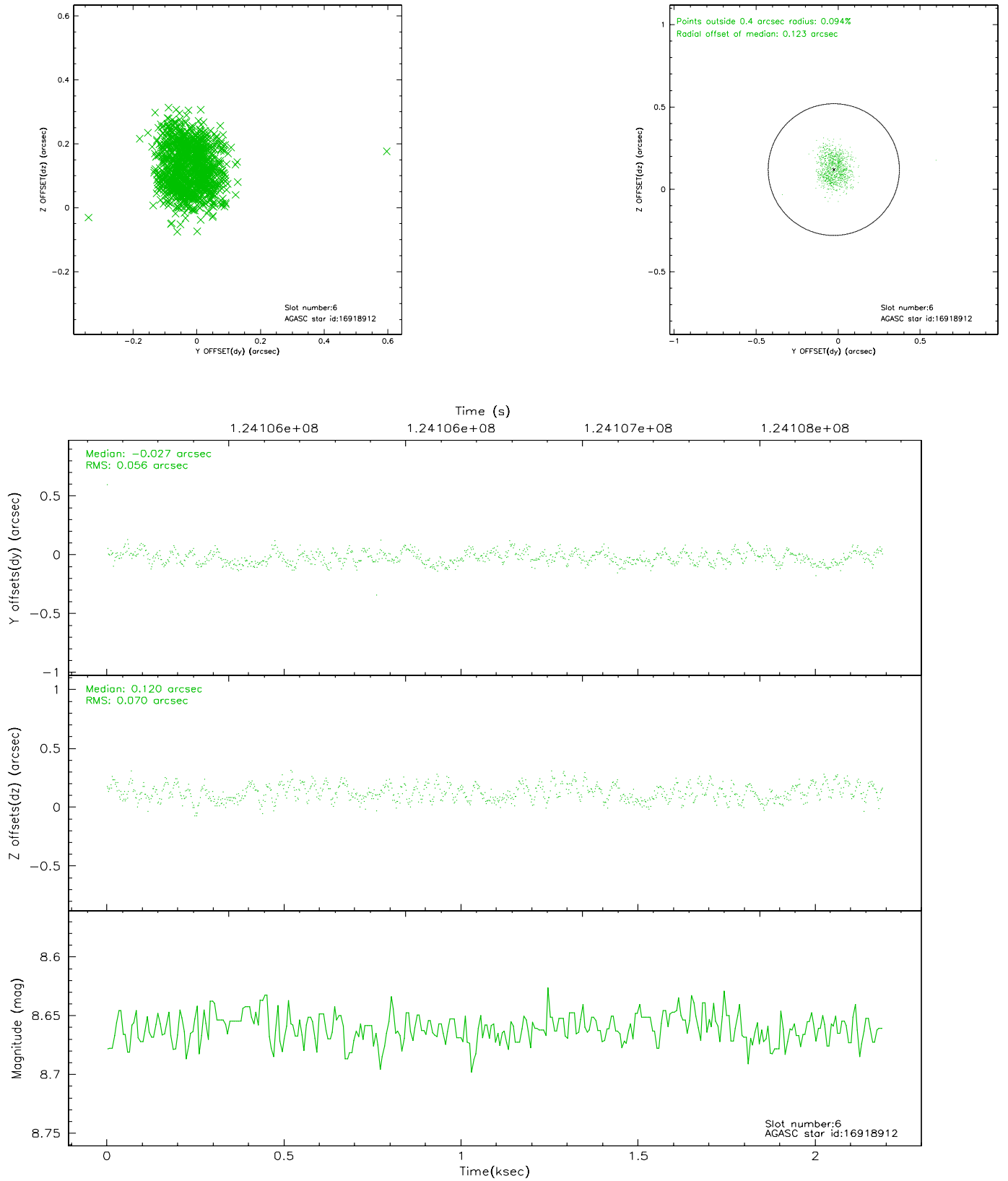
2.4.2 Slot 4



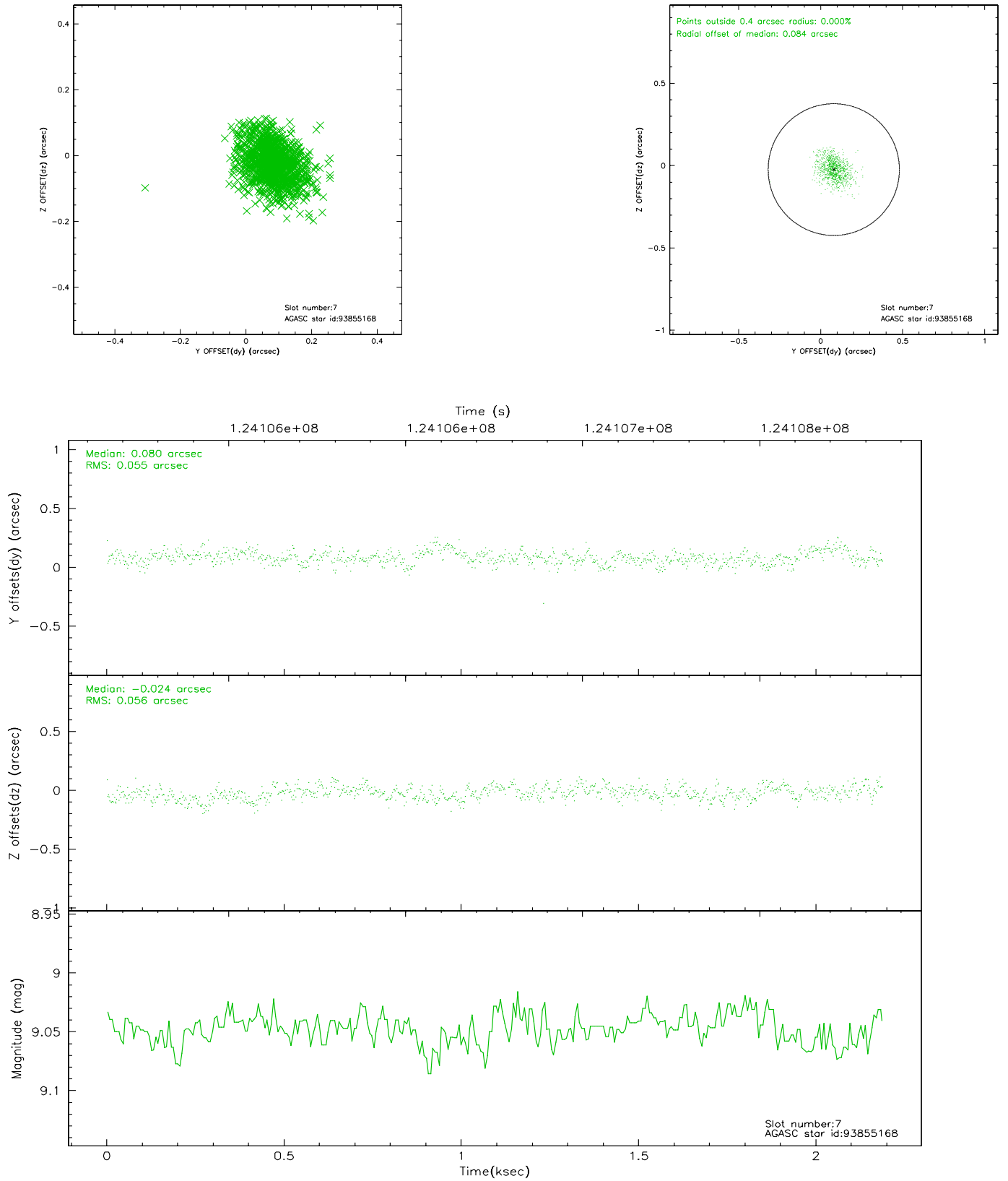
2.4.3 Slot 5



2.4.4 Slot 6

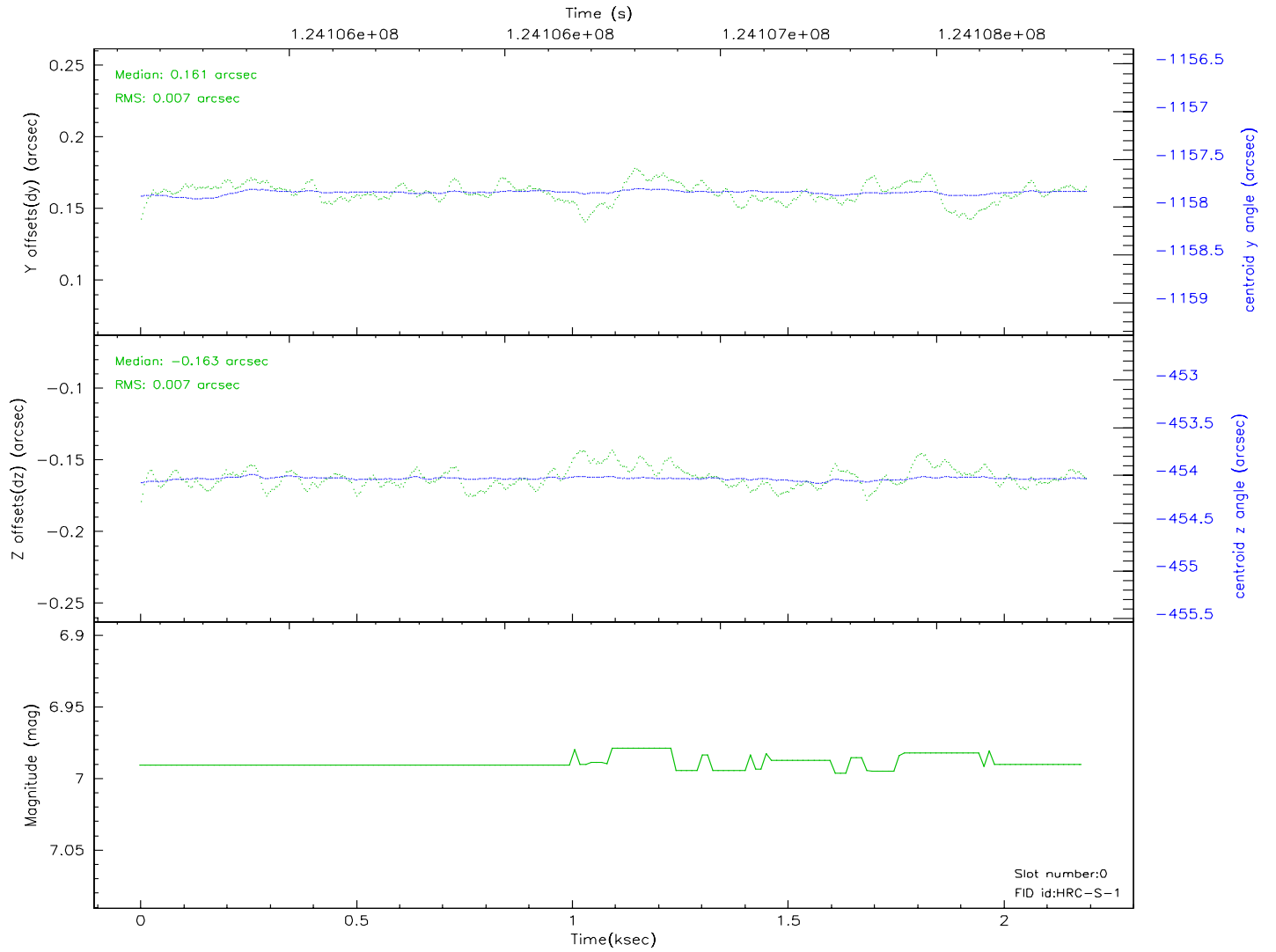
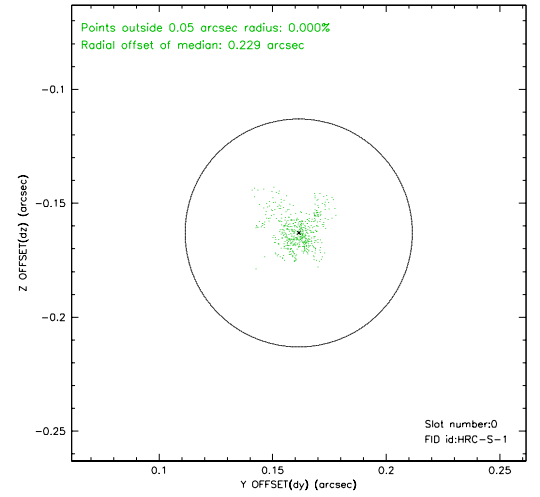
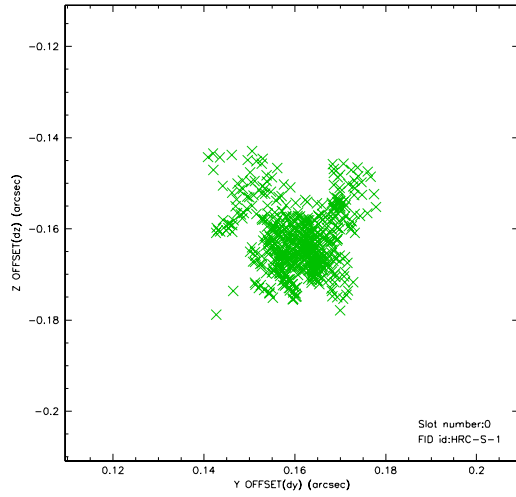


2.4.5 Slot 7

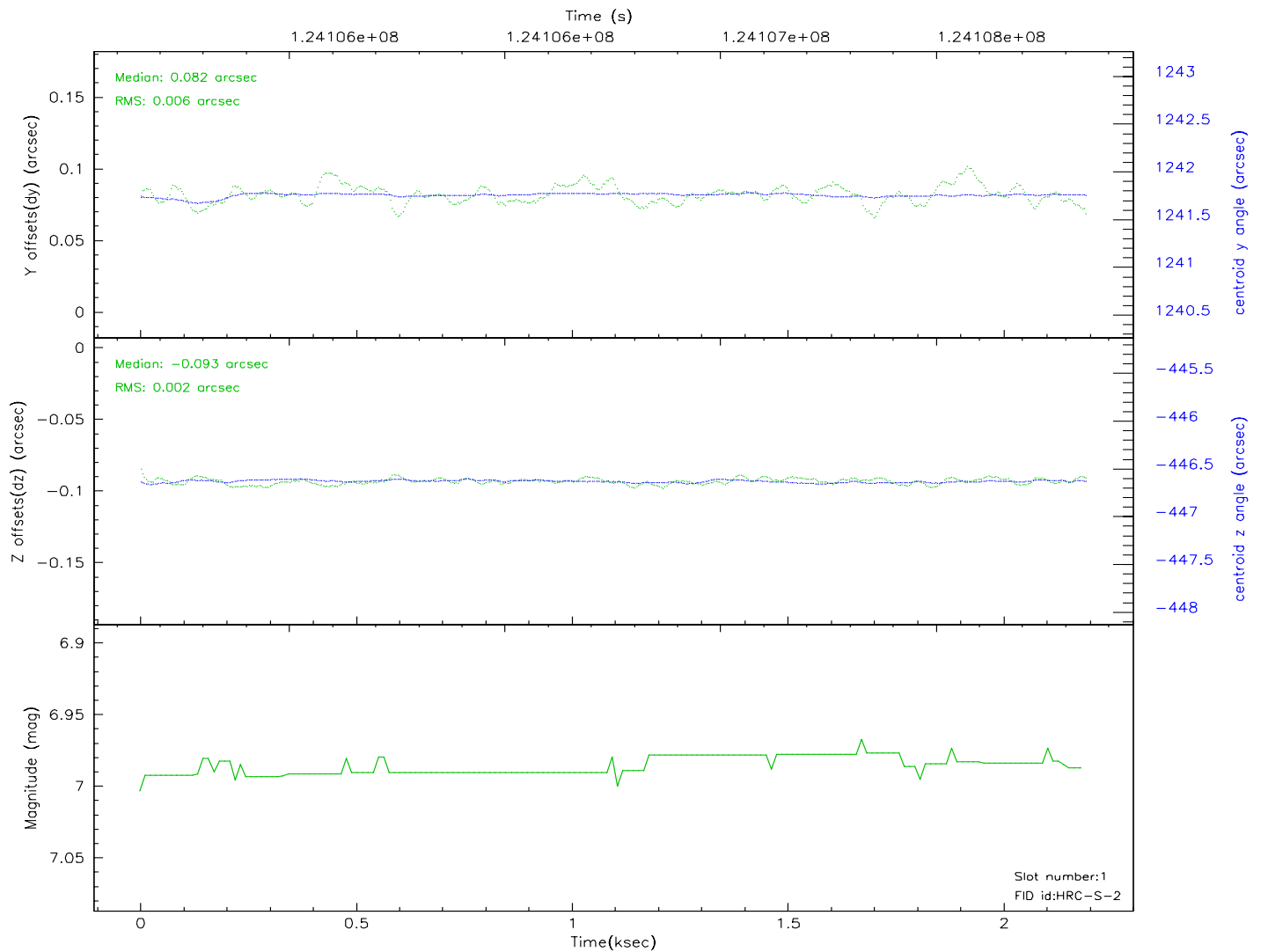
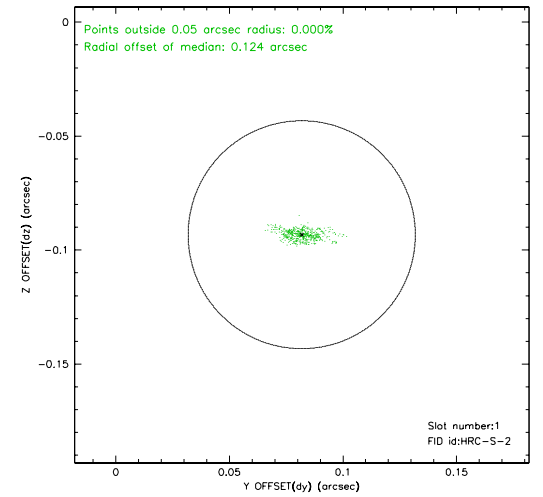
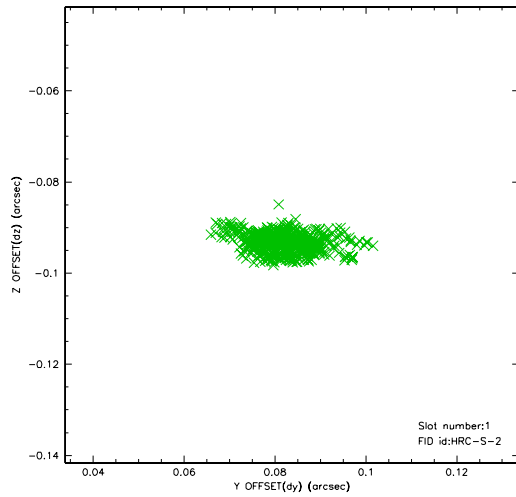


2.5 FID Slots

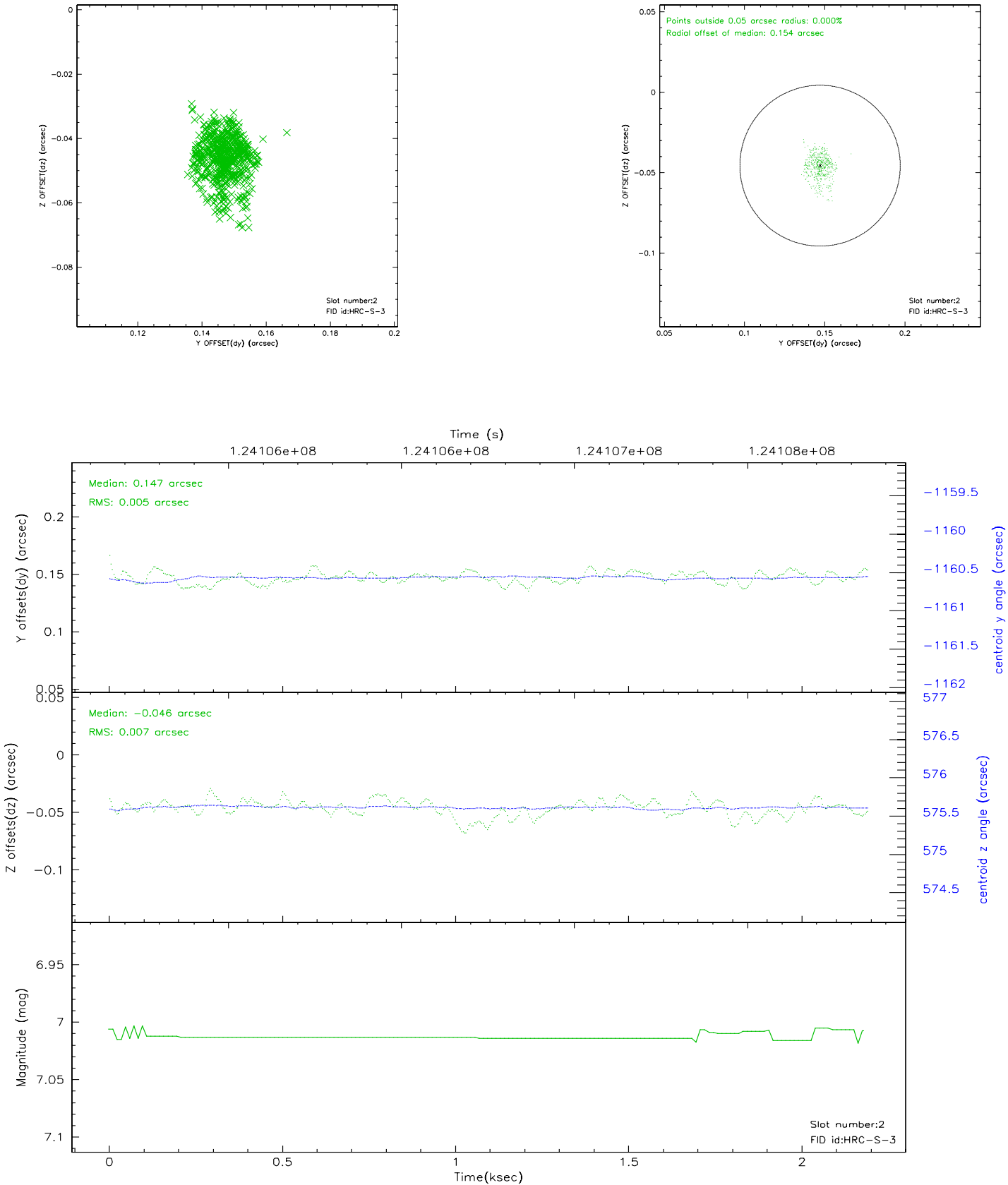
2.5.1 Slot 0



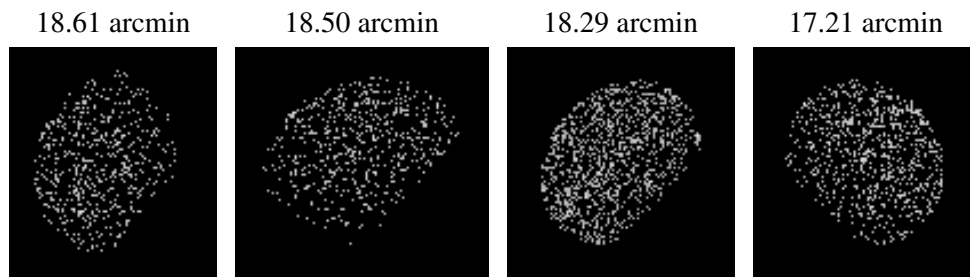
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2007.01.21
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	2.182

A.2 Comments