

V&V Reference Report

L2 ASCDS Version : 7.6.10

Observation 1743 - L2 Version 001
Chandra X-Ray Center

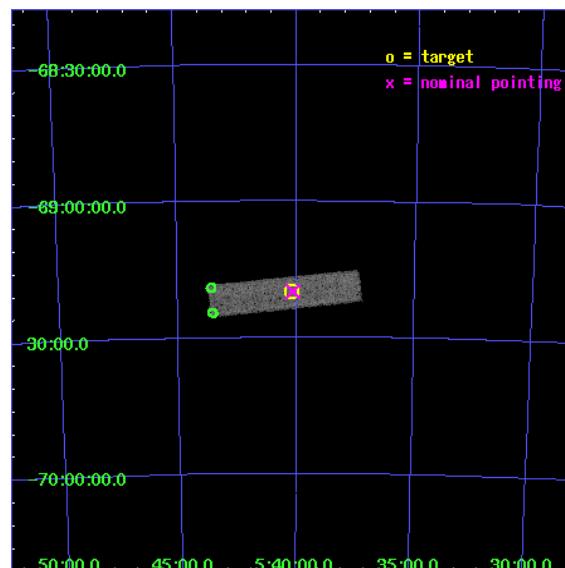
L2 Processing Date : May 27 2007

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

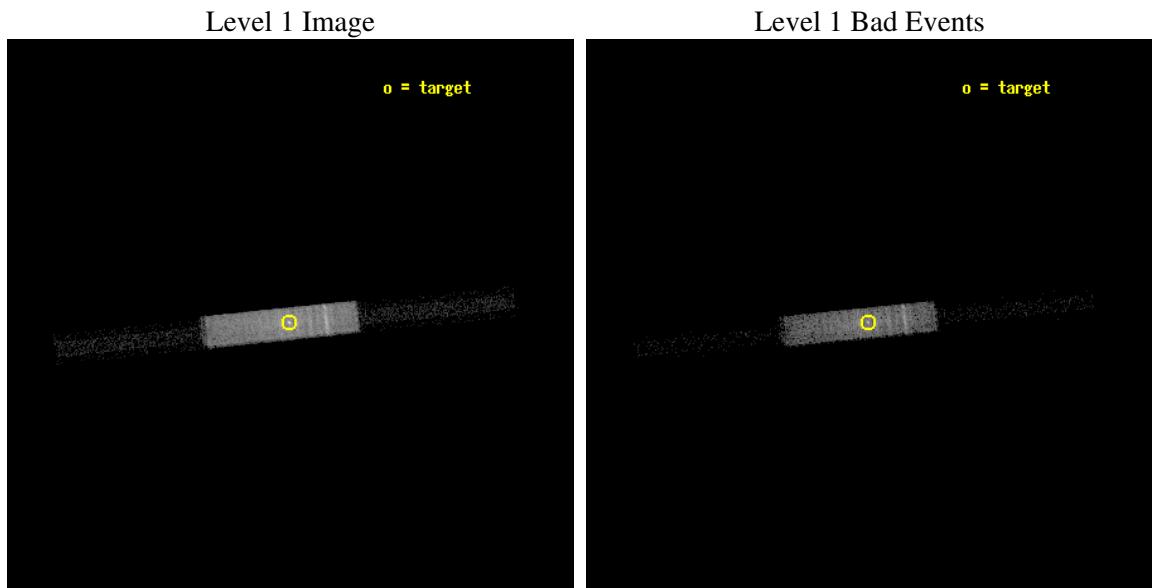
seq_num	590192
obs_id	1743
title	VERIFICATION OF AXAF TIMING CAPABILITY
observer	Dr. CXC Calibration
object	PSR B0540-69
ra_targ	85.04625
dec_targ	-69.332
ra_nom	85.034516437526
dec_nom	-69.331380296332
roll_nom	174.04644202392
revision	5
ontime	443.05626633763
livetime	440.74692642772
l2events	16786



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0
ascdsver	7.6.10
caldbver	3.4.0
date	2007-05-27T08:22:07
revision	4

sched_exp_time	300.000000
ontime	443.05626633763
l1events	65706

2.1.3 Events

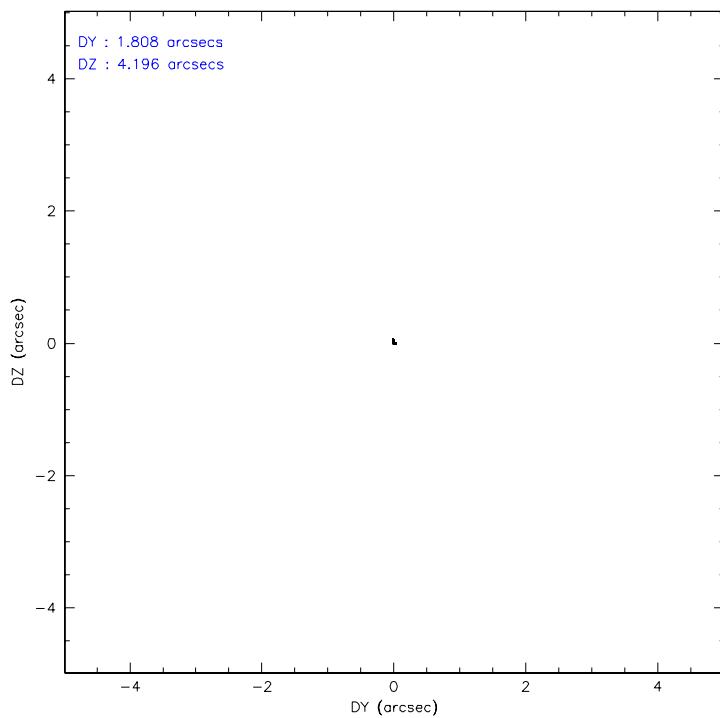
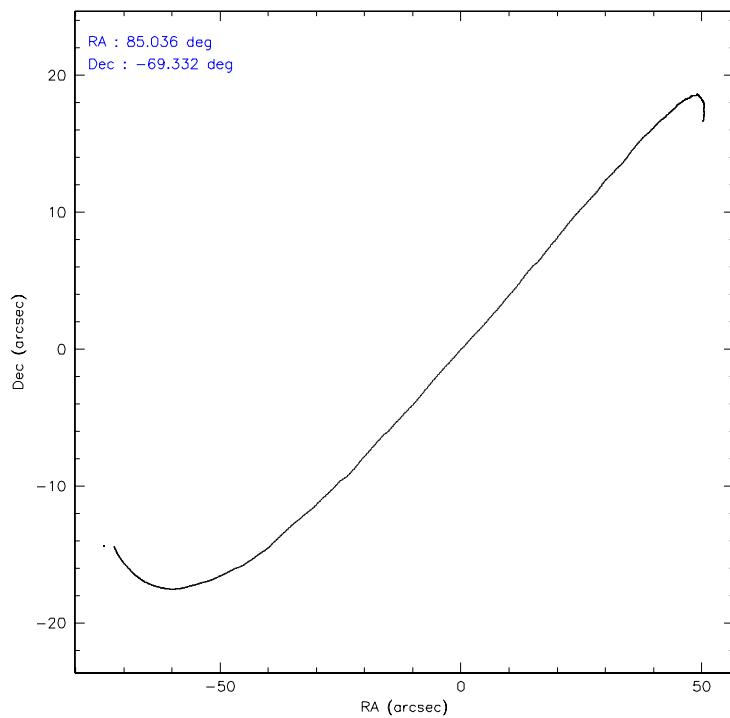
Level 1 Events

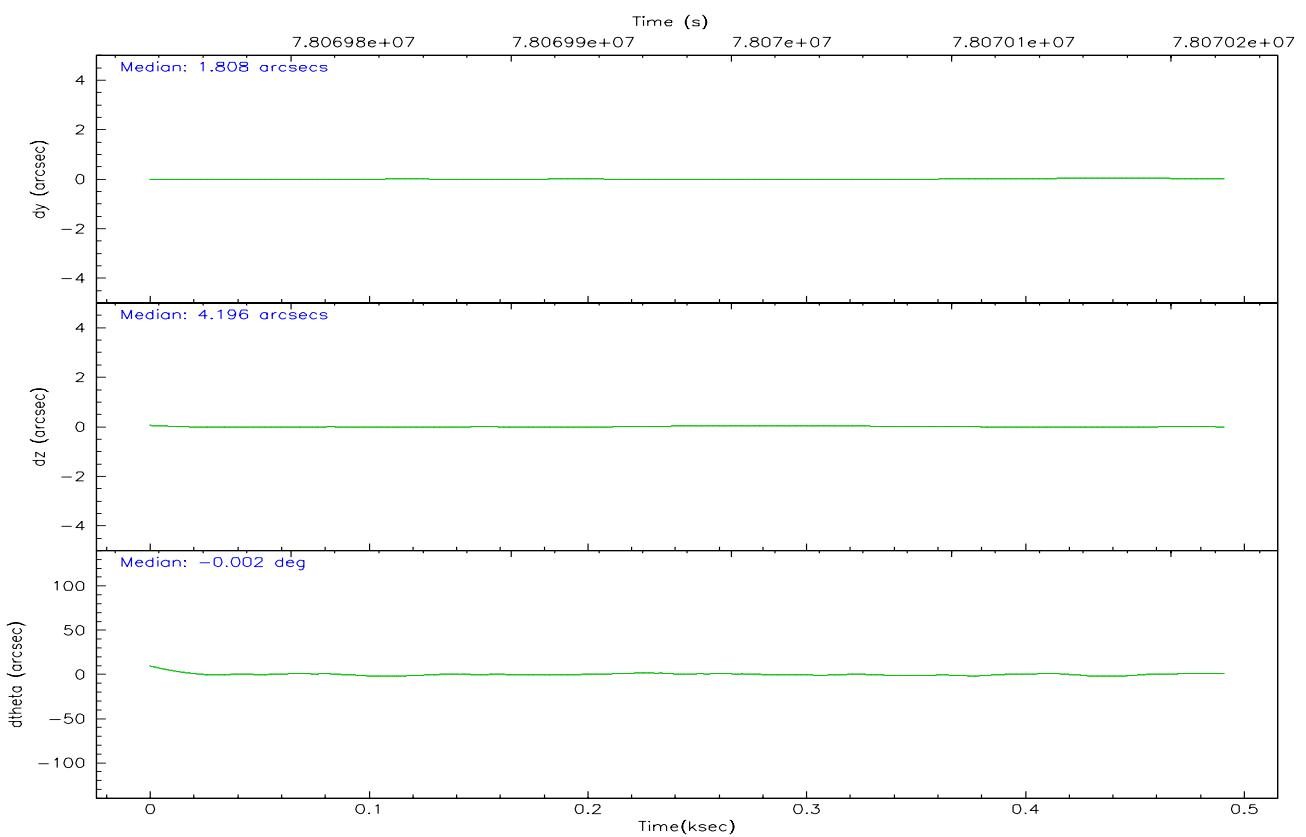
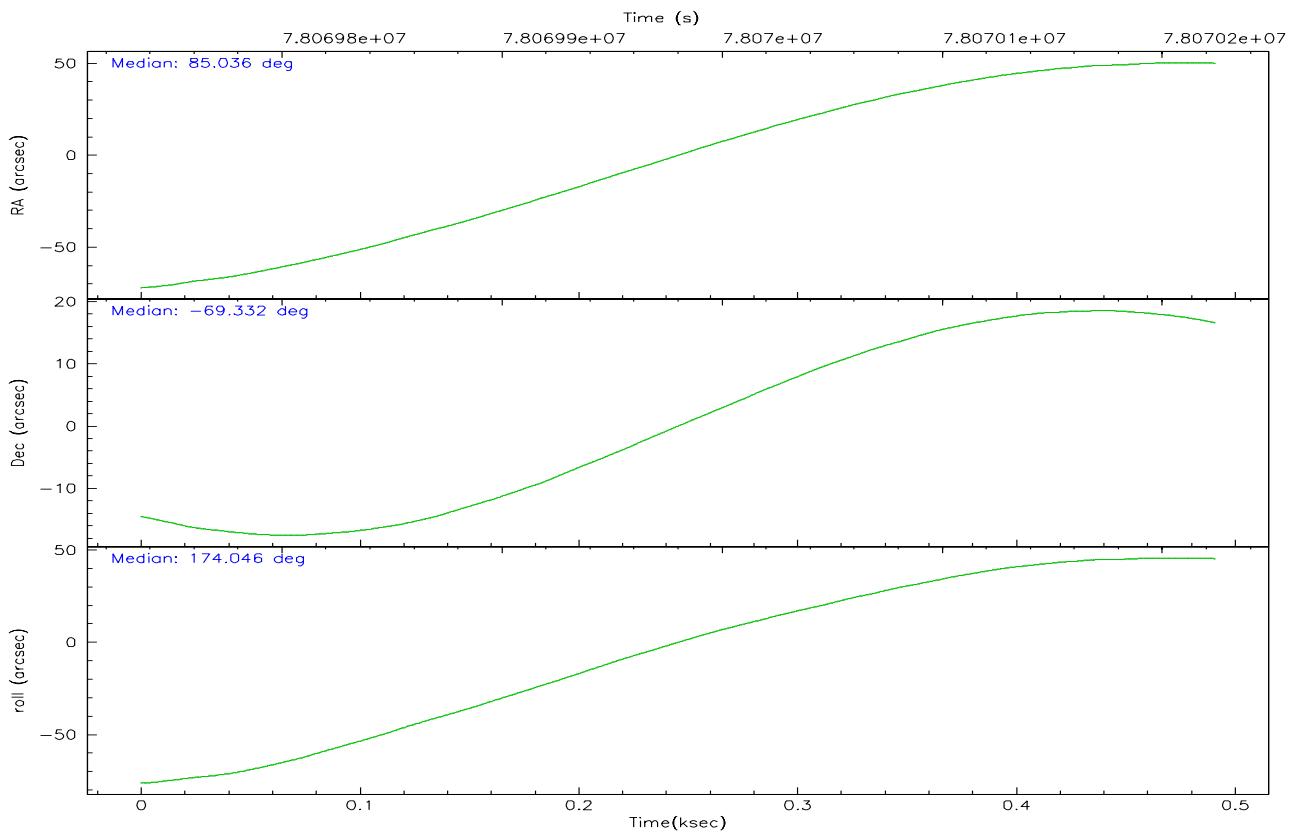
	segment 1	segment 2	segment 3
level 1 events	6659	51595	7452
rejected events	6650	30066	7450
rejected %	99%	58%	99%

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	85.105325	85.03451643752615			
Pointing Dec	-69.318440	-69.33138029633179			
Pointing Roll	174.045443	174.0464420239244			
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	78069927.184000	78069550.975437			
Observation start date	2000-06-22T14:04:23	2000-06-22T13:59:10			
Observation end time	78070227.184000	78070360.725467			
Observation end date	2000-06-22T14:09:23	2000-06-22T14:12:40			

2.3 Aspect



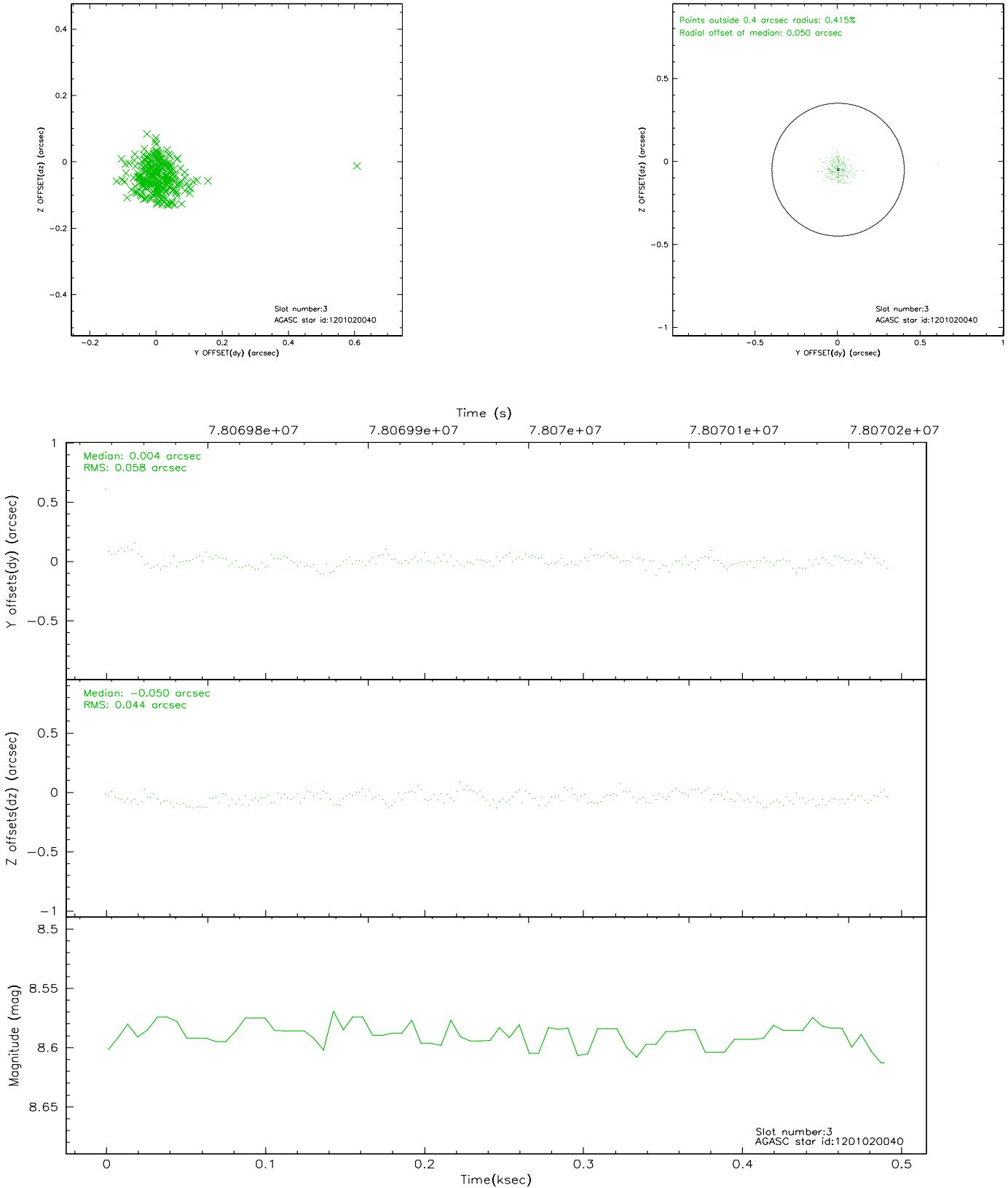


Slot Statistics

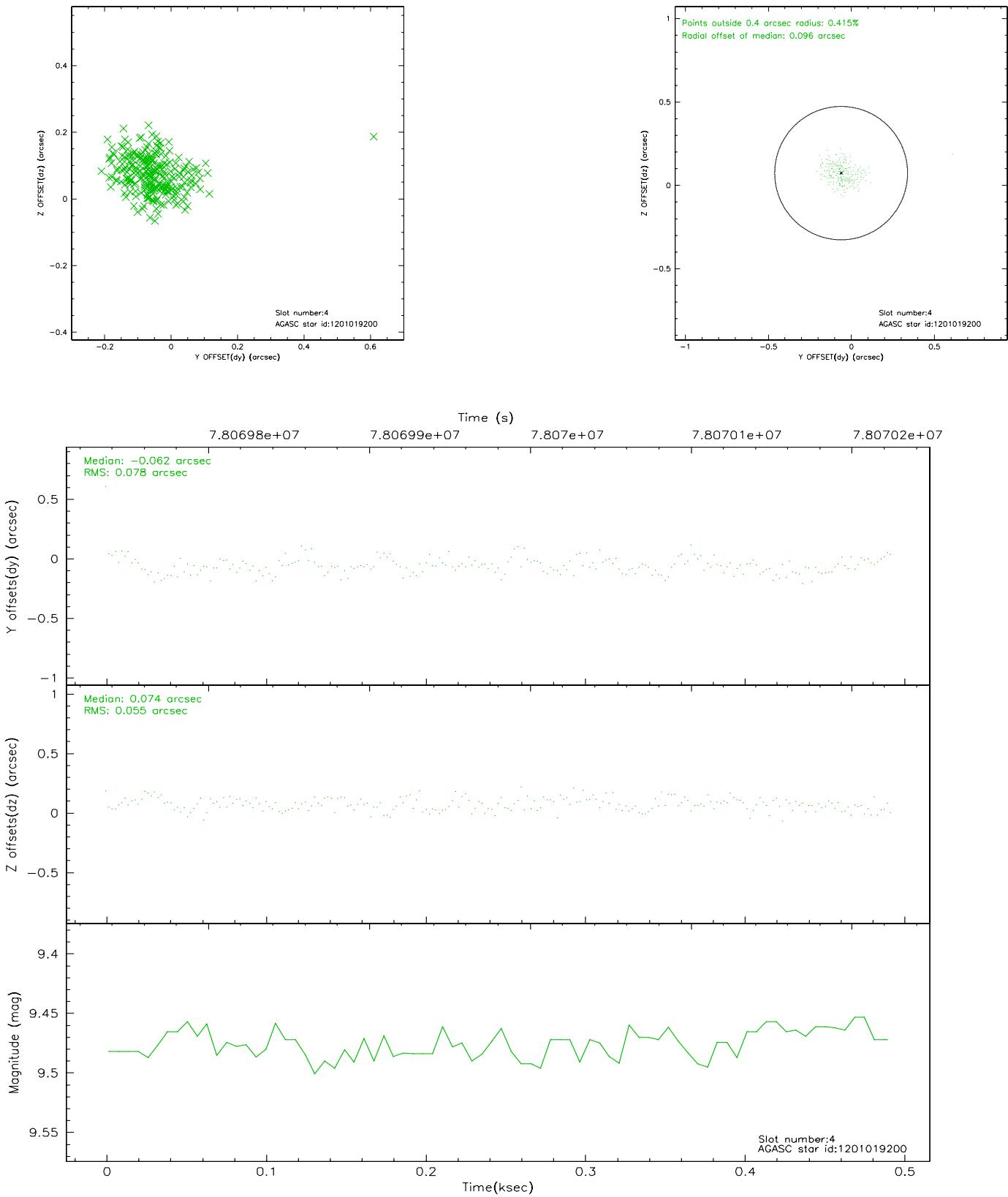
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	6.95	120	0.121	-0.118	0.005	0.013	0.000000	0.000000	-1155.85	-452.64
1	FID	HRC-S-3	6.98	120	0.147	-0.083	0.007	0.014	0.000000	0.000000	-1168.16	573.16
2	FID	HRC-S-4	6.92	120	0.119	-0.096	0.005	0.008	0.000000	0.000000	1232.69	584.20
3	GUIDE	1201020040	8.59	241	0.004	-0.050	0.067	0.107	85.379163	-68.879396	-185.69	-1608.50
4	GUIDE	1201019200	9.47	241	-0.062	0.074	0.095	0.145	84.213591	-68.777384	1359.93	-1815.25
5	GUIDE	1201406992	9.27	241	0.080	-0.050	0.083	0.137	83.682859	-69.471866	1735.77	748.54
6	GUIDE	1200885760	9.48	241	-0.085	0.093	0.102	0.174	83.723637	-68.777667	2001.47	-1726.44
7	GUIDE	1201020088	10.59	240	0.094	-0.026	0.143	0.249	86.319248	-68.997756	-1427.50	-1303.02

2.4 Star Slots

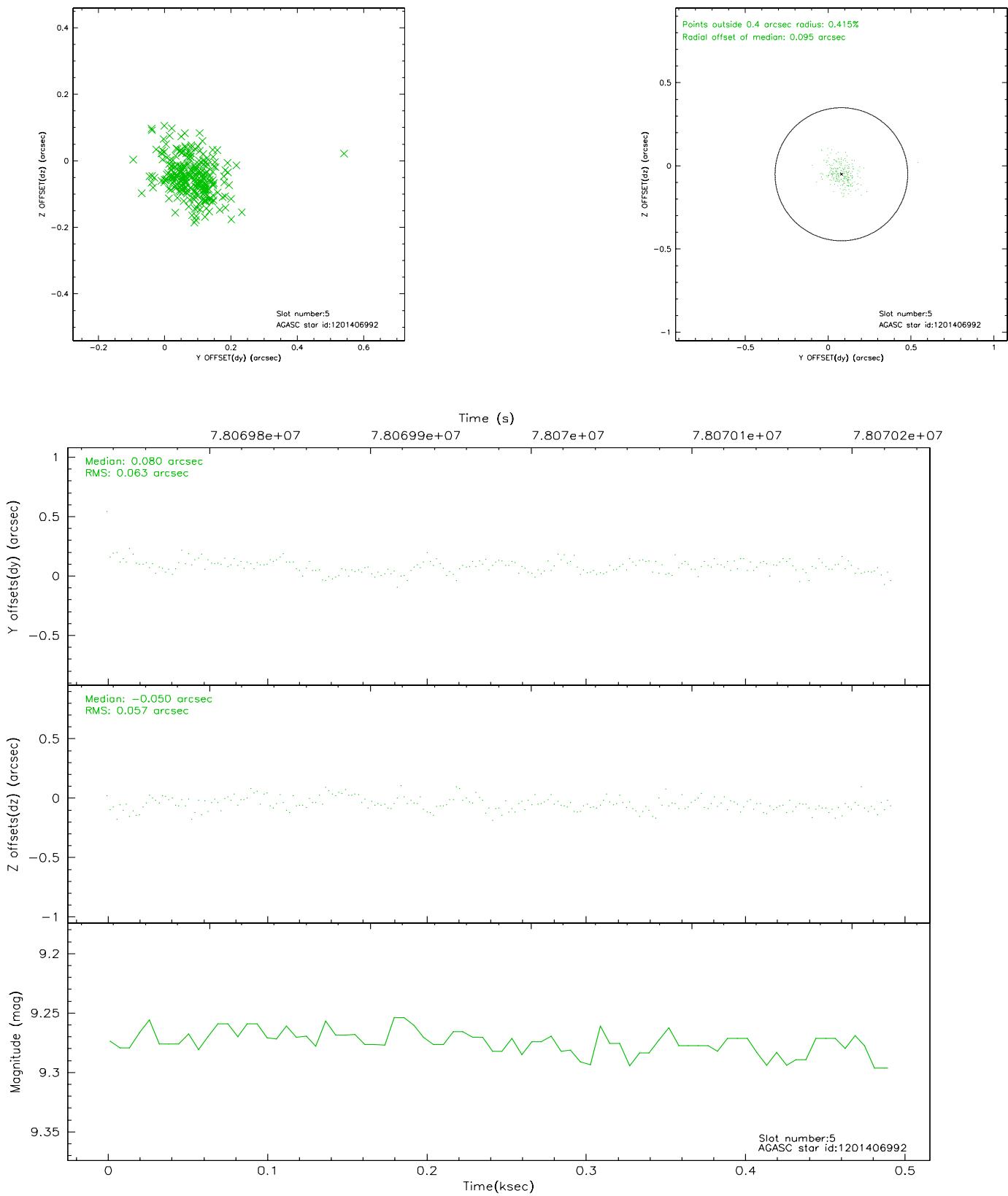
2.4.1 Slot 3



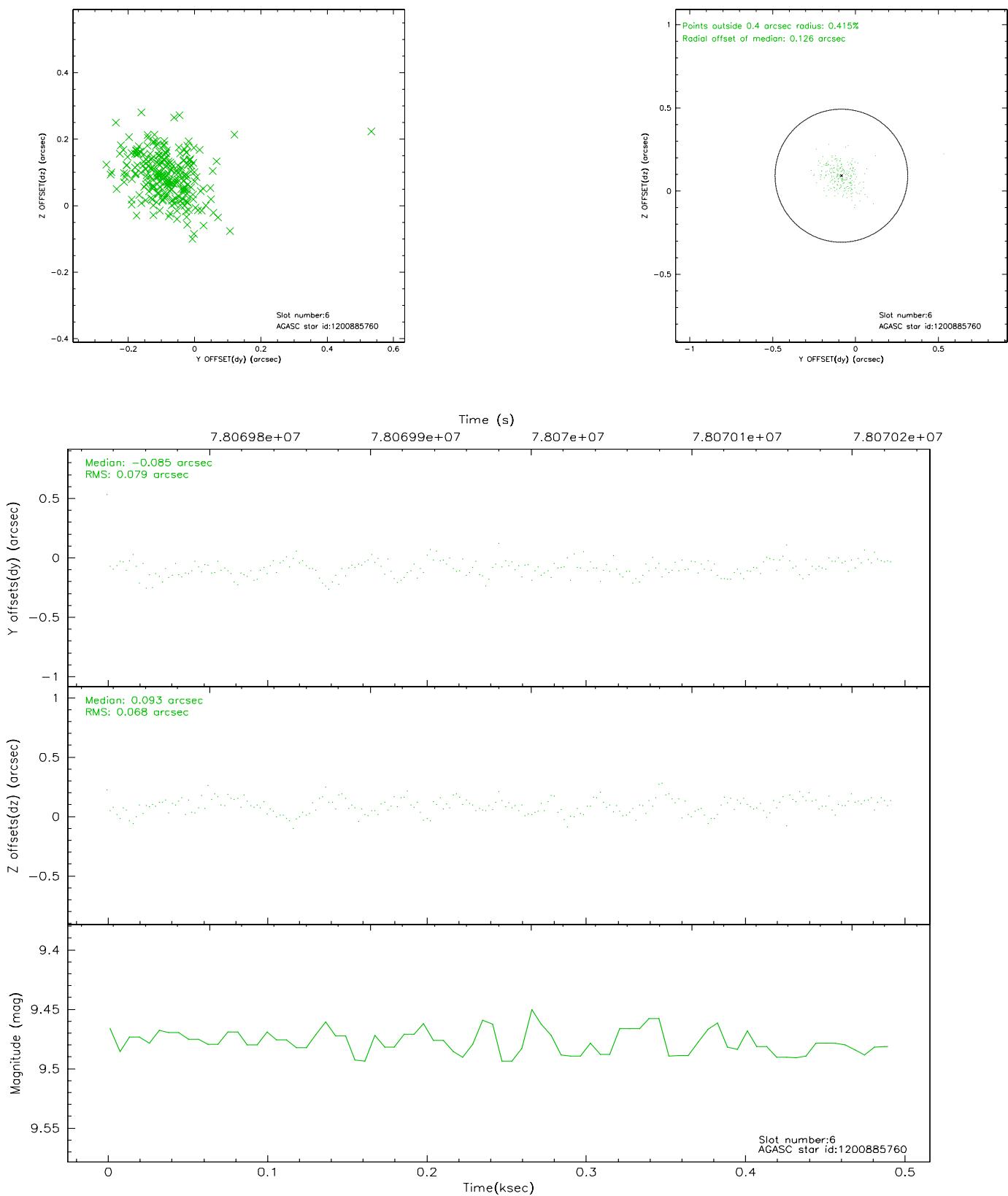
2.4.2 Slot 4



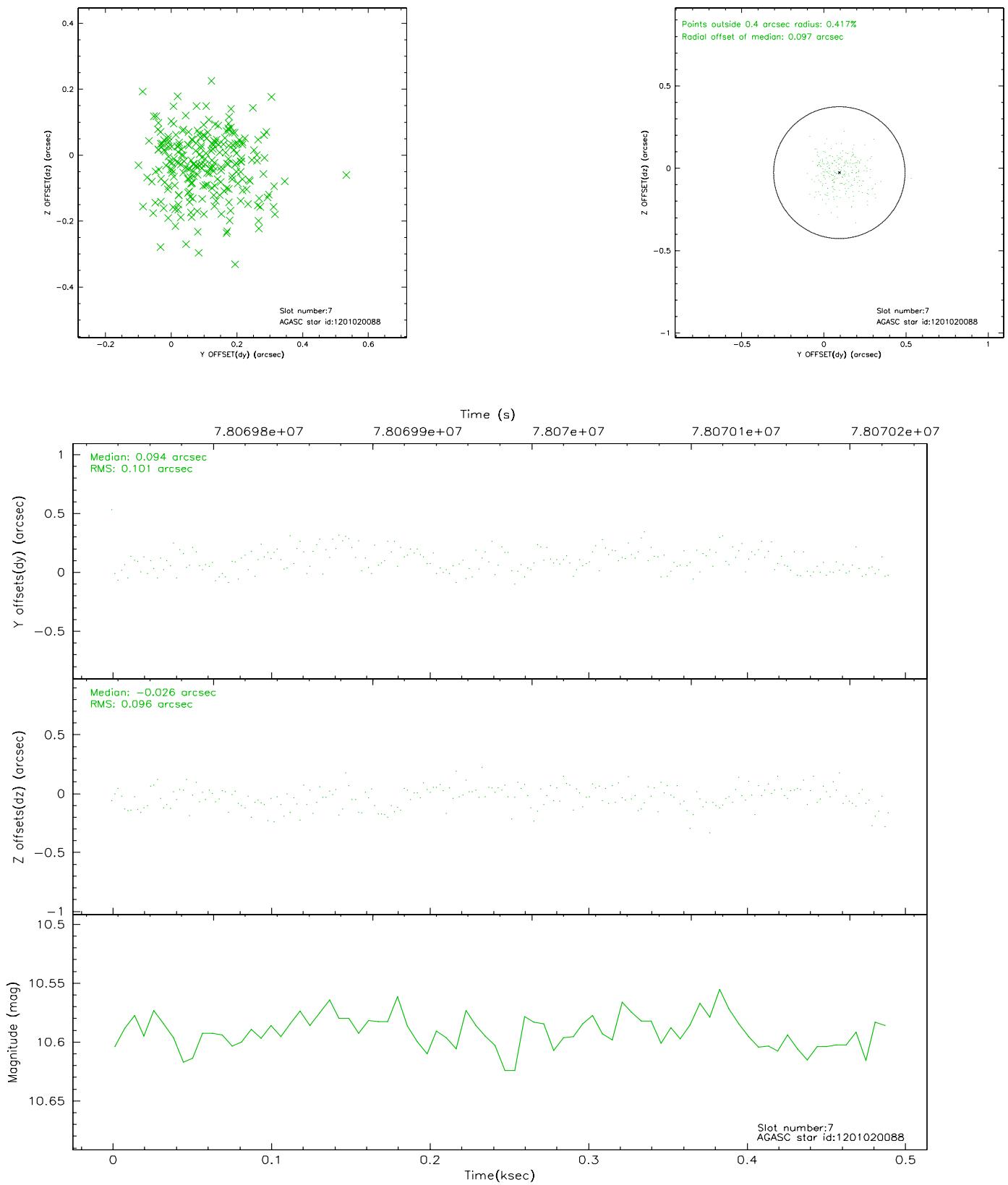
2.4.3 Slot 5



2.4.4 Slot 6

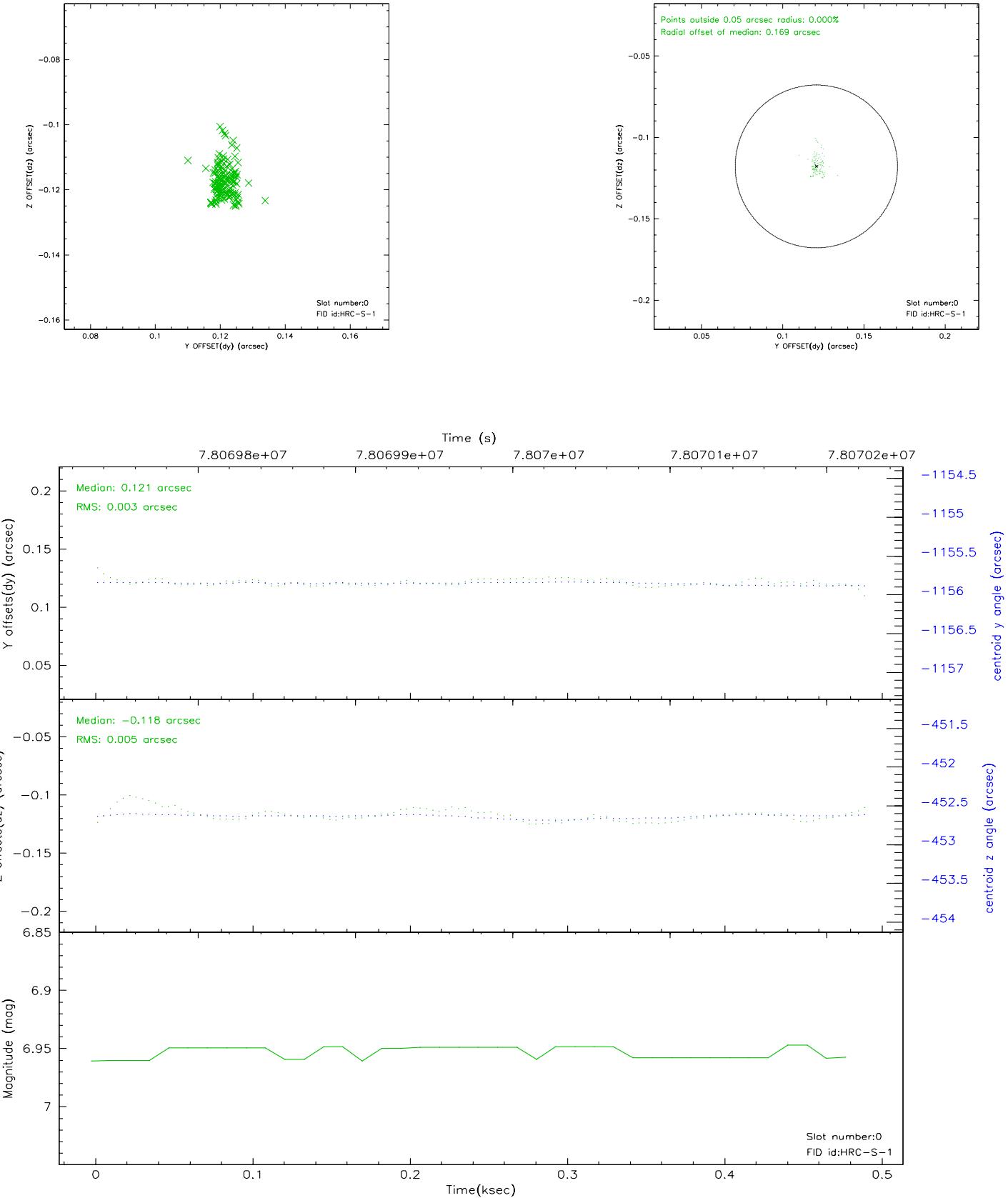


2.4.5 Slot 7

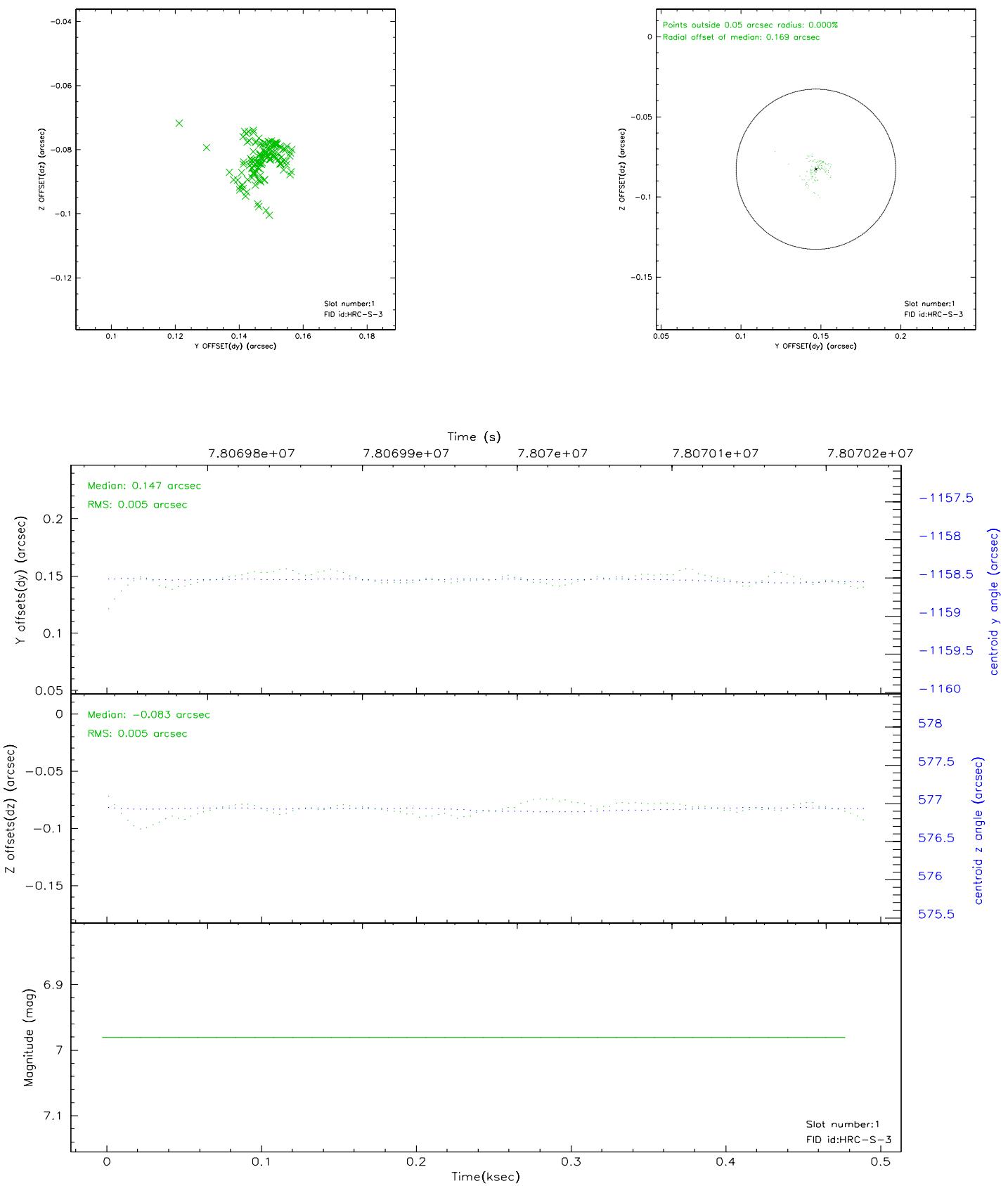


2.5 FID Slots

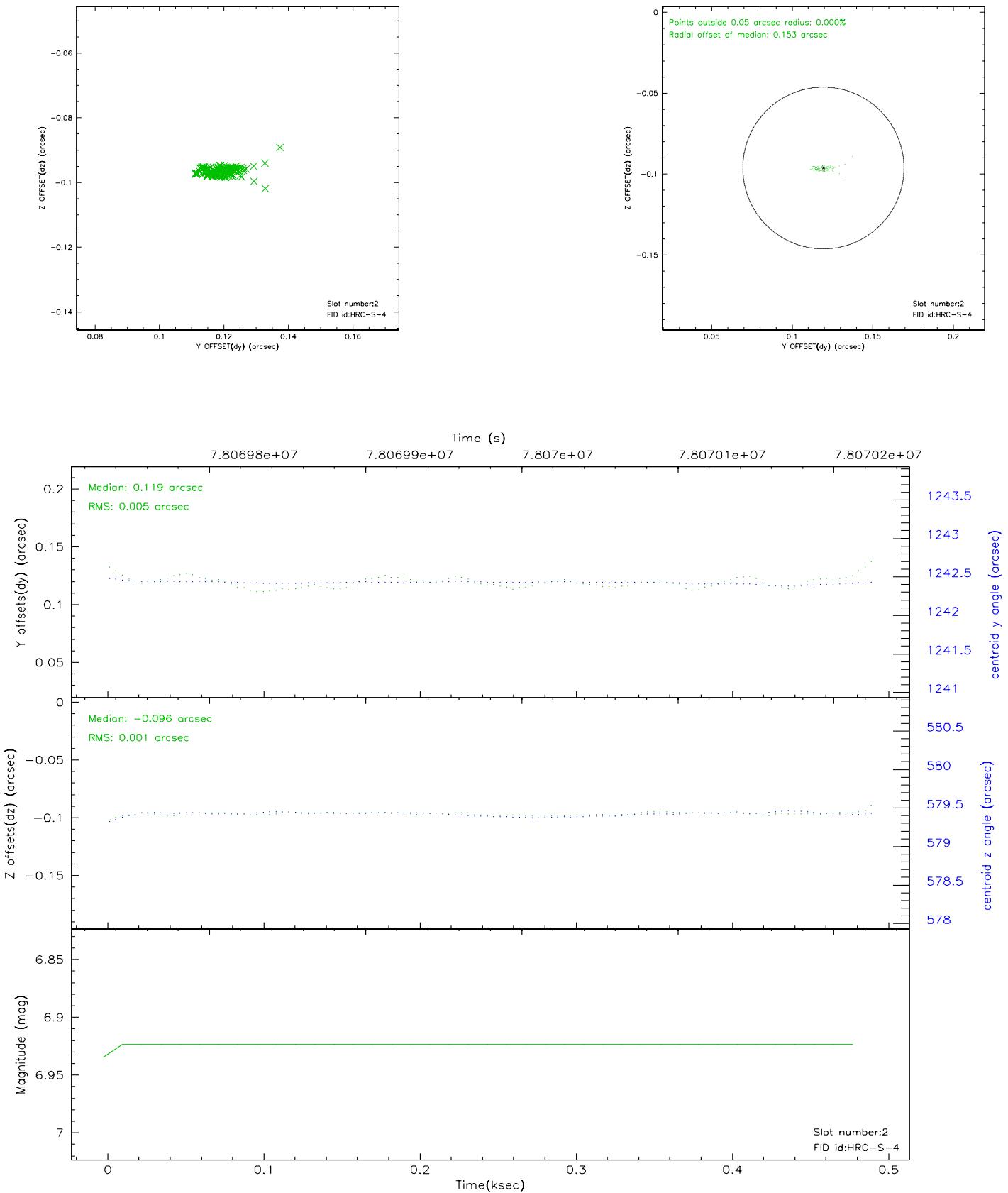
2.5.1 Slot 0



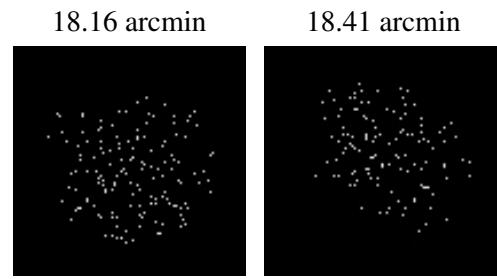
2.5.2 Slot 1



2.5.3 Slot 2



3 Point Sources



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2007.05.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.483

A.2 Comments