

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 3701 - L2 Version 5
Chandra X-Ray Center

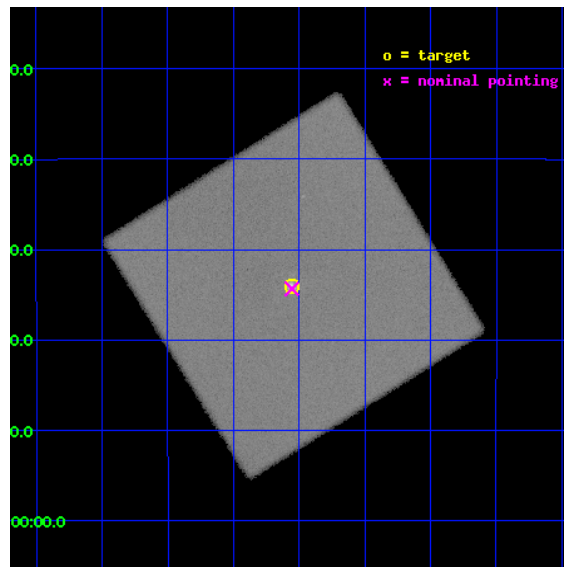
L2 Processing Date : Nov 7 2012

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
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

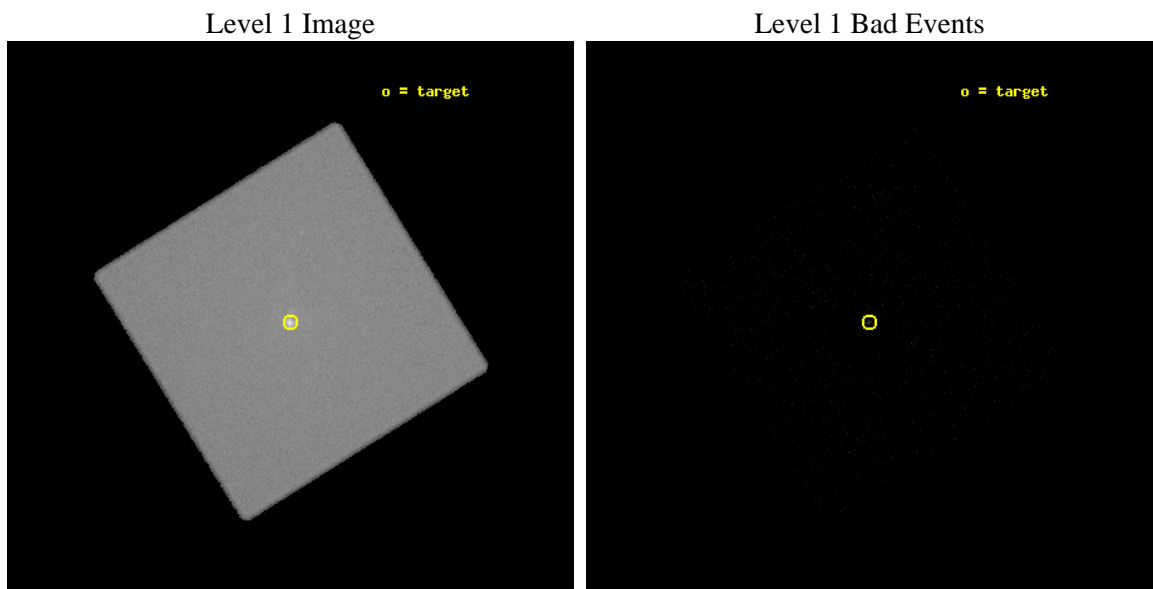
seq_num	590313	Sequence number
obs_id	3701	Observation id
title	AO4B OBSERVATIONS OF THE STANDARD CANDLES CAS A AND G21.5-09	Propo
observer	Dr. CXC Calibration	Principal investigator
object	G21.5-0.9	Source name
ra_targ	278.389583	Observer's specified target RA [deg]
dec_targ	-10.568528	Observer's specified target Dec [deg]
ra_nom	278.38882355216	Nominal RA [deg]
dec_nom	-10.572655329716	Nominal Dec [deg]
roll_nom	283.15581458089	Nominal Roll [deg]
revision	5	Processing version of data
ontime	19378.907089919	[s]
livetime	18594.877741542	Ontime multiplied by DTCOR
l2events	1052899	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	1	Obi number	sched_exp_time	19400.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	19378.907089919	[s]
caldsver	4.5.2	 	l1events	1467298	Number of level 1 events
date	2012-11-07T20:44:51	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

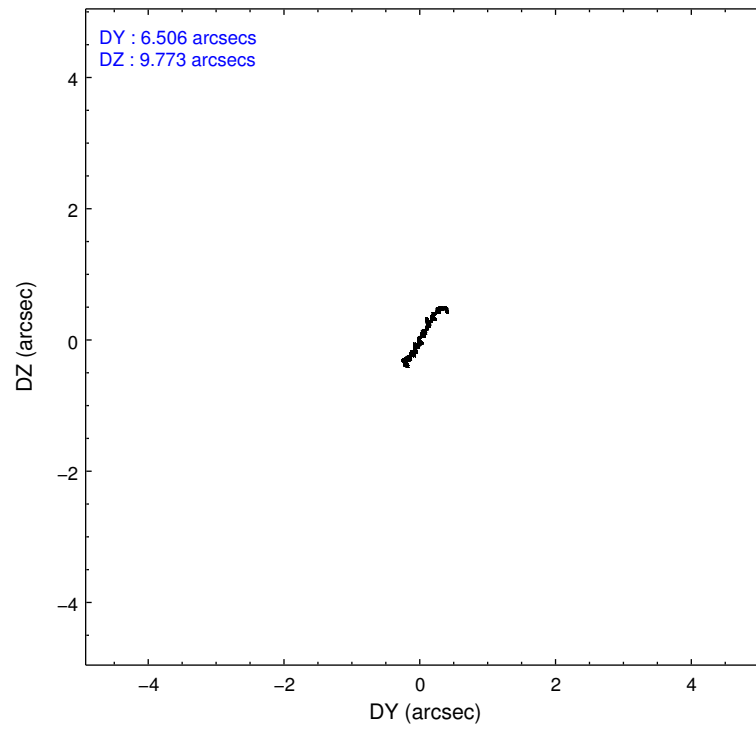
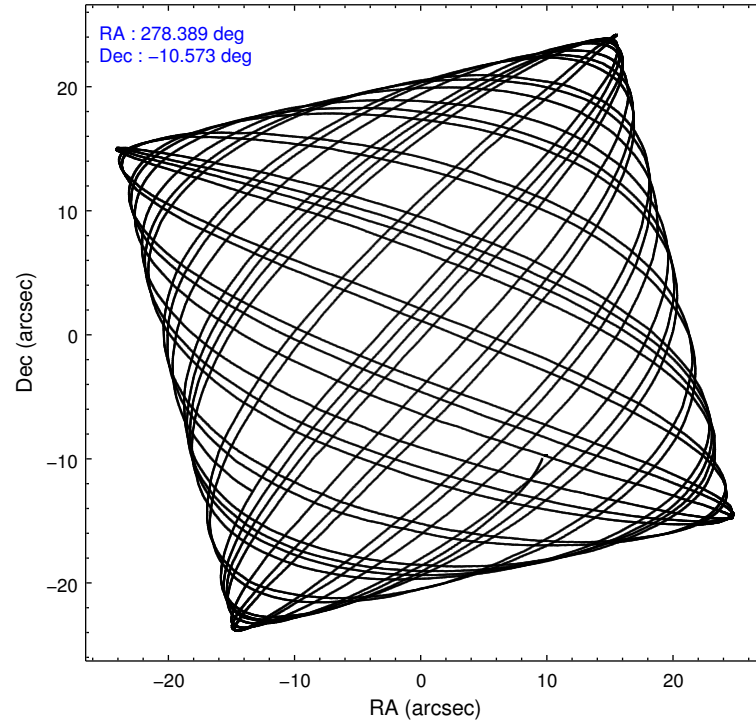
Level 1 Events

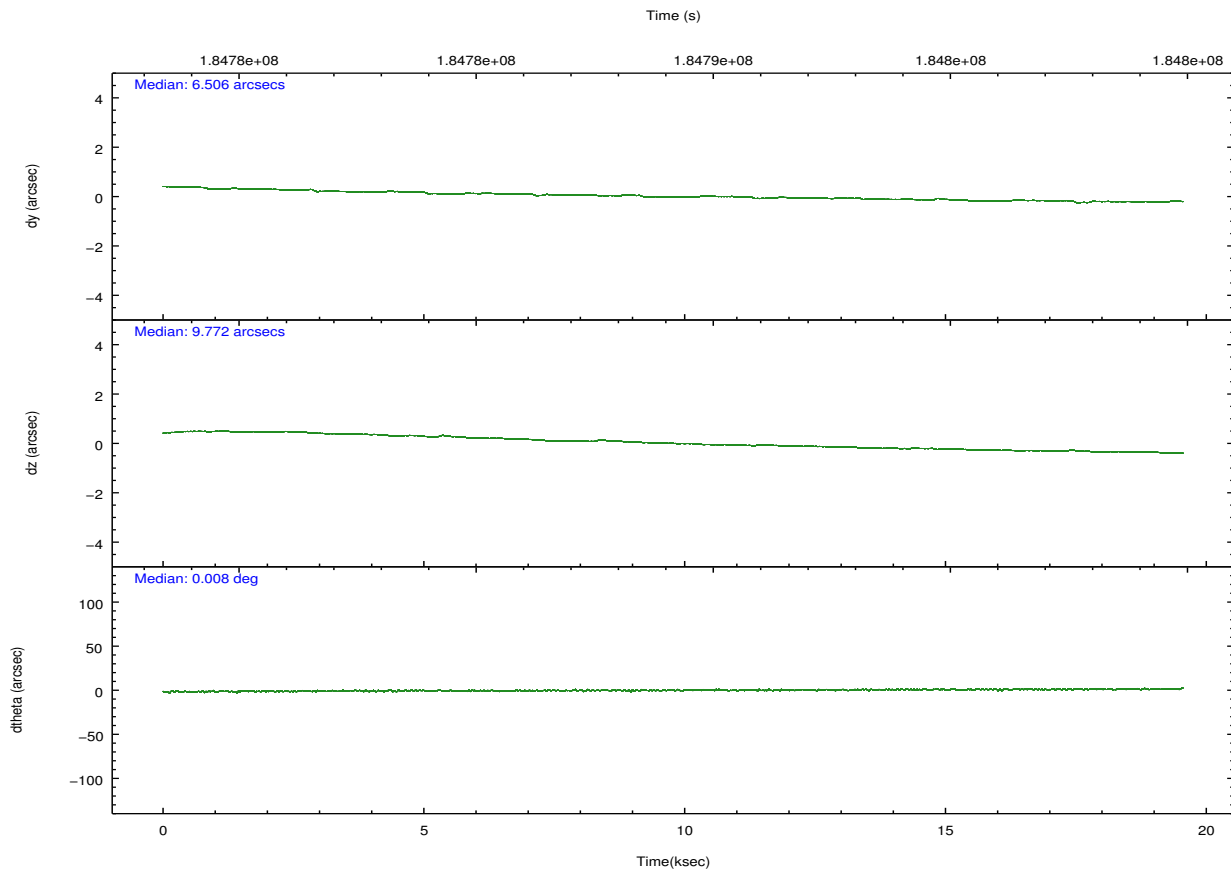
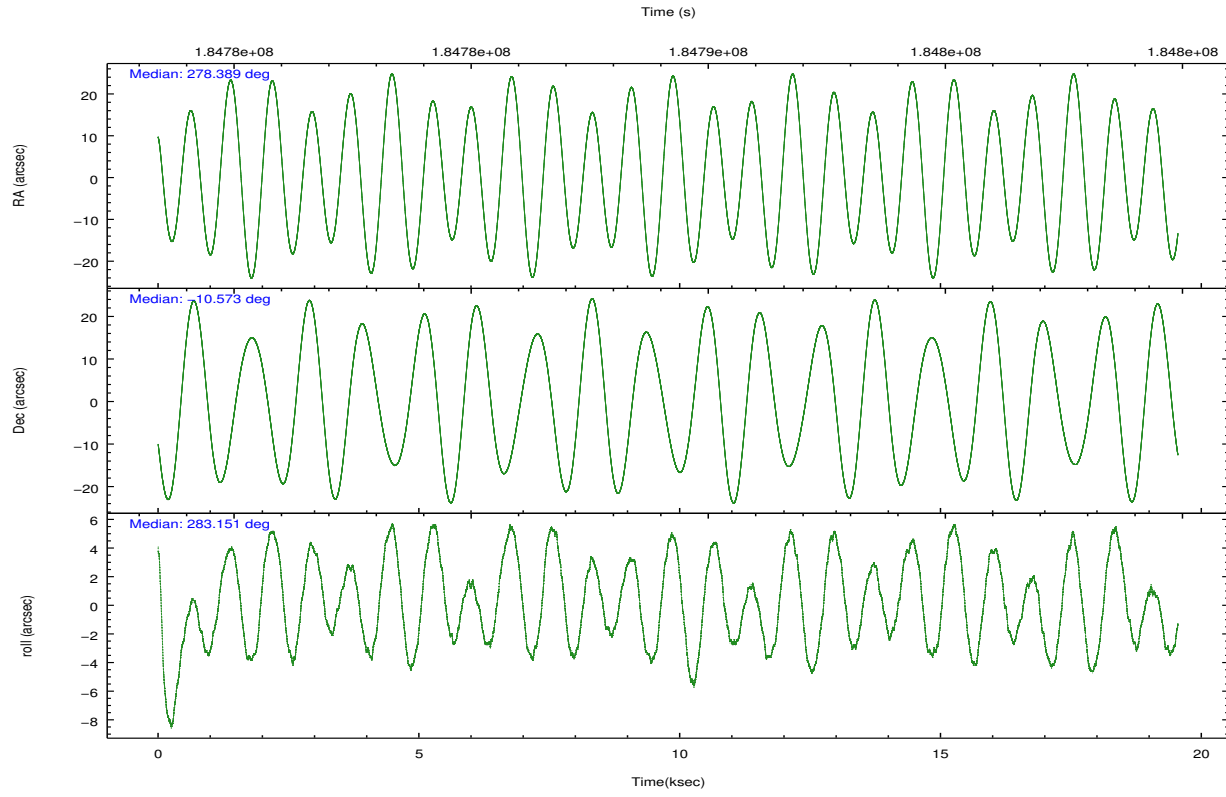
	segment 0
level 1 events	1467298
rejected events	10949
rejected %	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
Detector	HRC-I	HRC-I	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	OBSERVING	OBSERVING			
Observation mode	POINTING	POINTING			
[deg] Pointing RA	278.369560	278.3888235521642			
[deg] Pointing Dec	-10.553295	-10.57265532971626			
[deg] Pointing Roll	283.247780	283.1558145808942			
[s] Window start time (MET)	182563264.184000	182563264.184000			
[s] Window stop time (MET)	185241664.184000	185241664.184000			
[mm] SIM focus pos	-1.040293	-1.038866356238299			
[mm] SIM defocus	0	0.001426264420575141			
[mm] SIM translation stage pos	126.985494	126.9829799899862			
[mm] SIM translation stage offset	0	0.002508901615314585			
[s] Observation start time (MET)	184779528.184000	184779129.82667			
Observation start date	2003-11-09T15:37:44	2003-11-09T15:32:09			
[s] Observation end time (MET)	184798928.184000	184799061.97753			
Observation end date	2003-11-09T21:01:04	2003-11-09T21:04:21			

2.3 Aspect



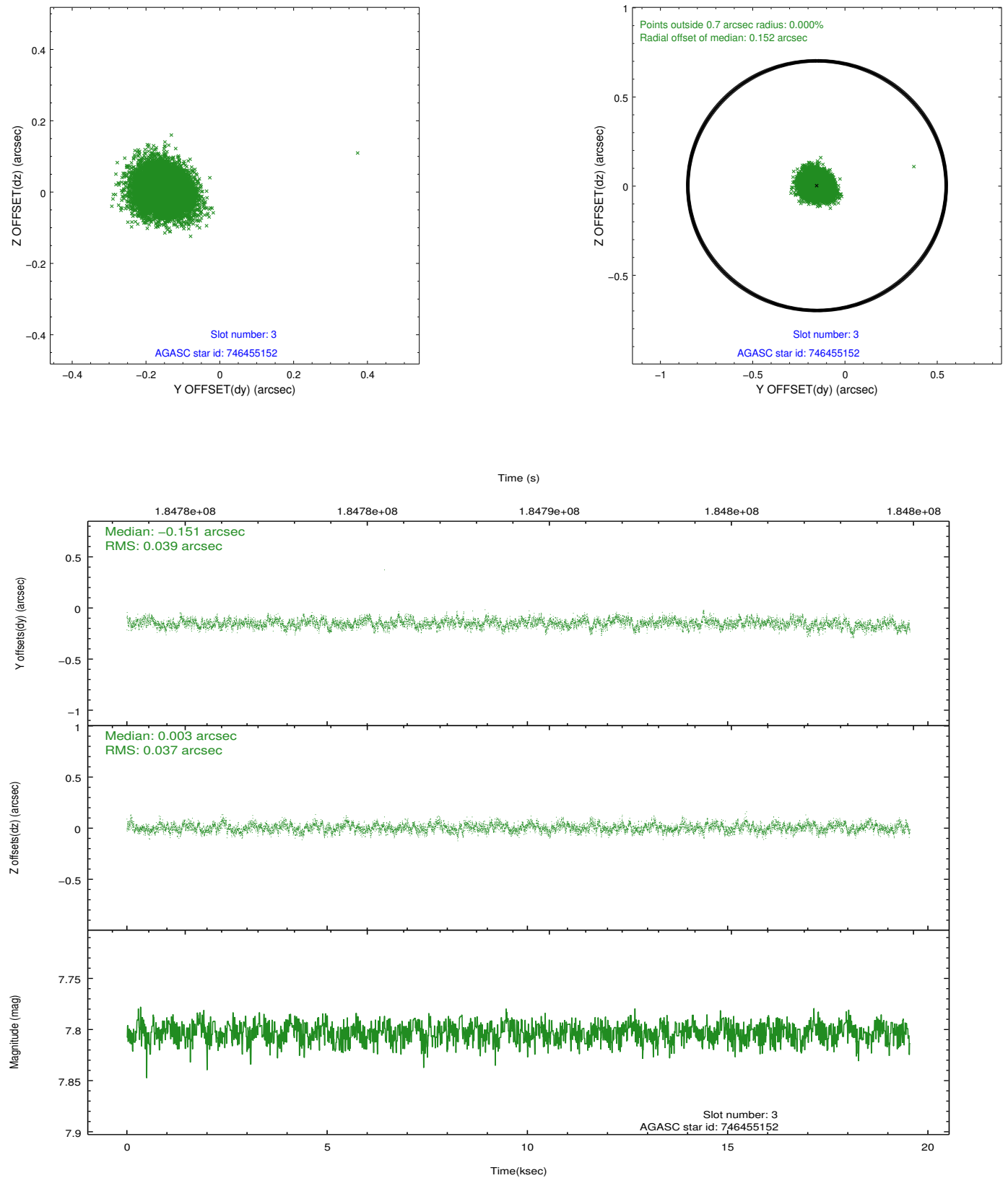


Slot Statistics

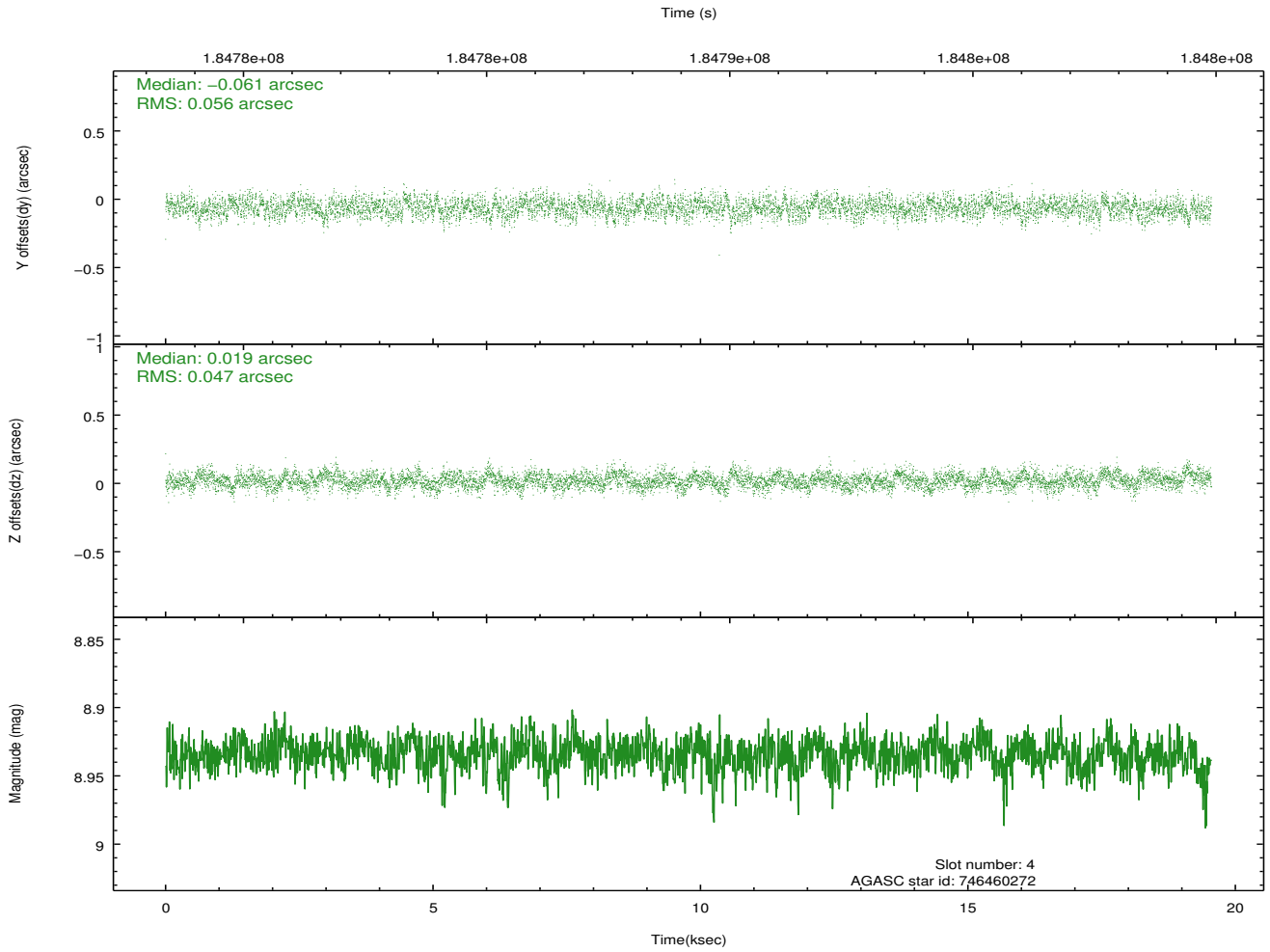
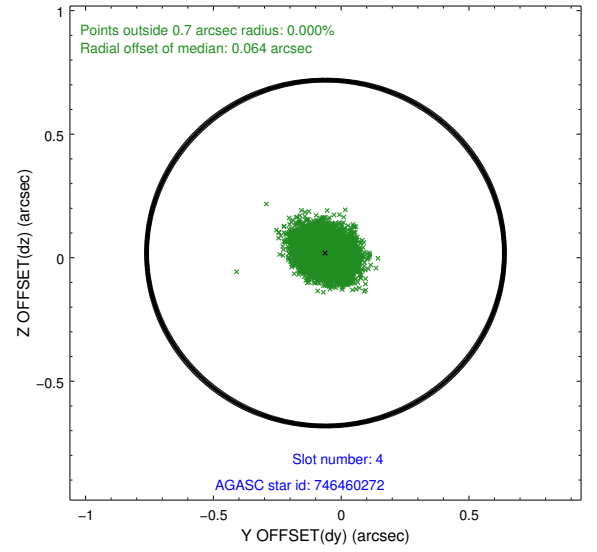
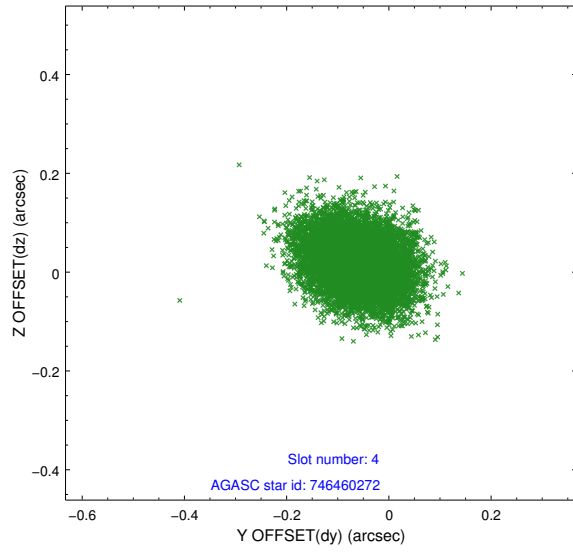
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	4768	0.011	0.035	0.013	0.020	0.000000	0.000000	-762.09	-1297.71
1	FID	HRC-I-2	7.02	4767	0.066	-0.039	0.013	0.030	0.000000	0.000000	850.44	-1299.61
2	FID	HRC-I-3	7.06	4767	0.044	-0.083	0.010	0.027	0.000000	0.000000	-1190.37	1006.47
3	GUIDE	746455152	7.80	9535	-0.151	0.003	0.057	0.092	278.447893	-9.976732	-1956.79	746.10
4	GUIDE	746460272	8.93	9534	-0.061	0.019	0.078	0.125	278.847488	-10.152127	-1016.74	1979.49
5	GUIDE	746462392	8.55	9534	0.116	0.044	0.069	0.113	279.038421	-10.890715	1727.61	2023.68
6	GUIDE	746462456	8.38	9534	-0.043	0.076	0.067	0.110	278.652171	-10.530173	149.36	993.17
7	GUIDE	746995400	9.51	9527	0.141	-0.145	0.126	0.203	278.078957	-11.289885	2347.02	-1606.09

2.4 Star Slots

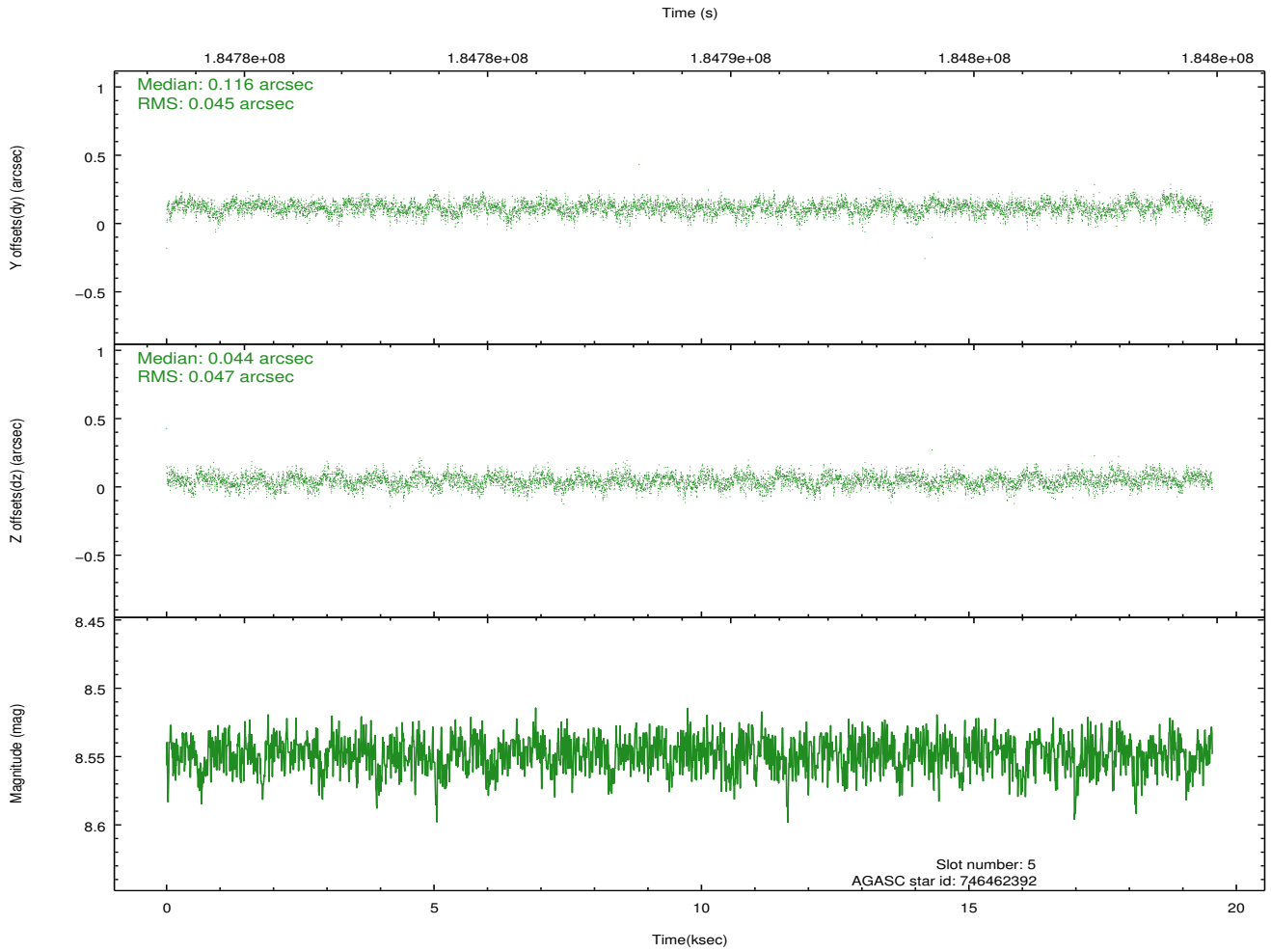
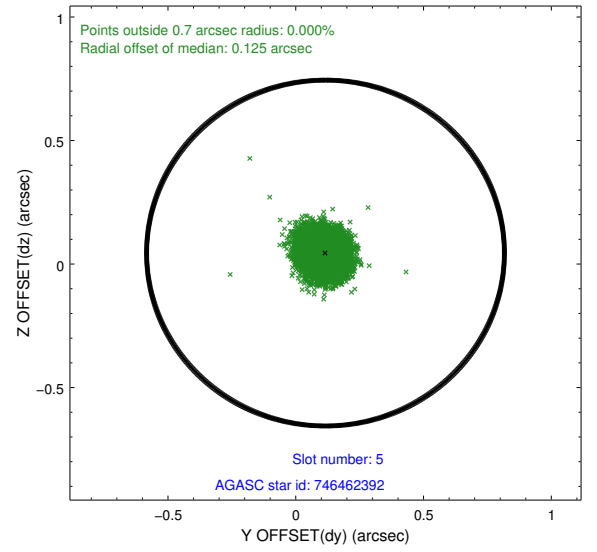
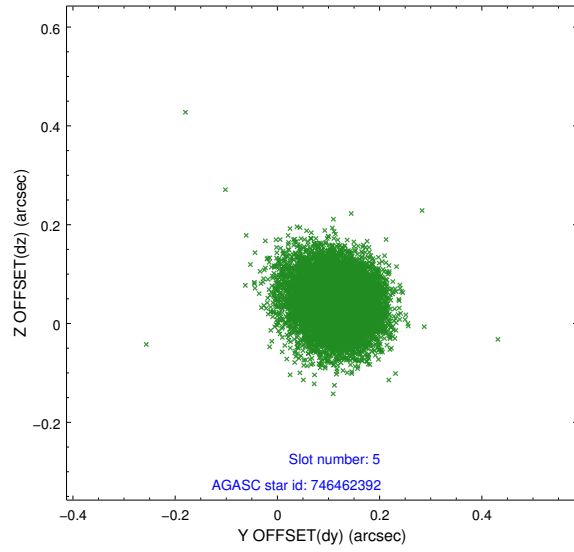
2.4.1 Slot 3



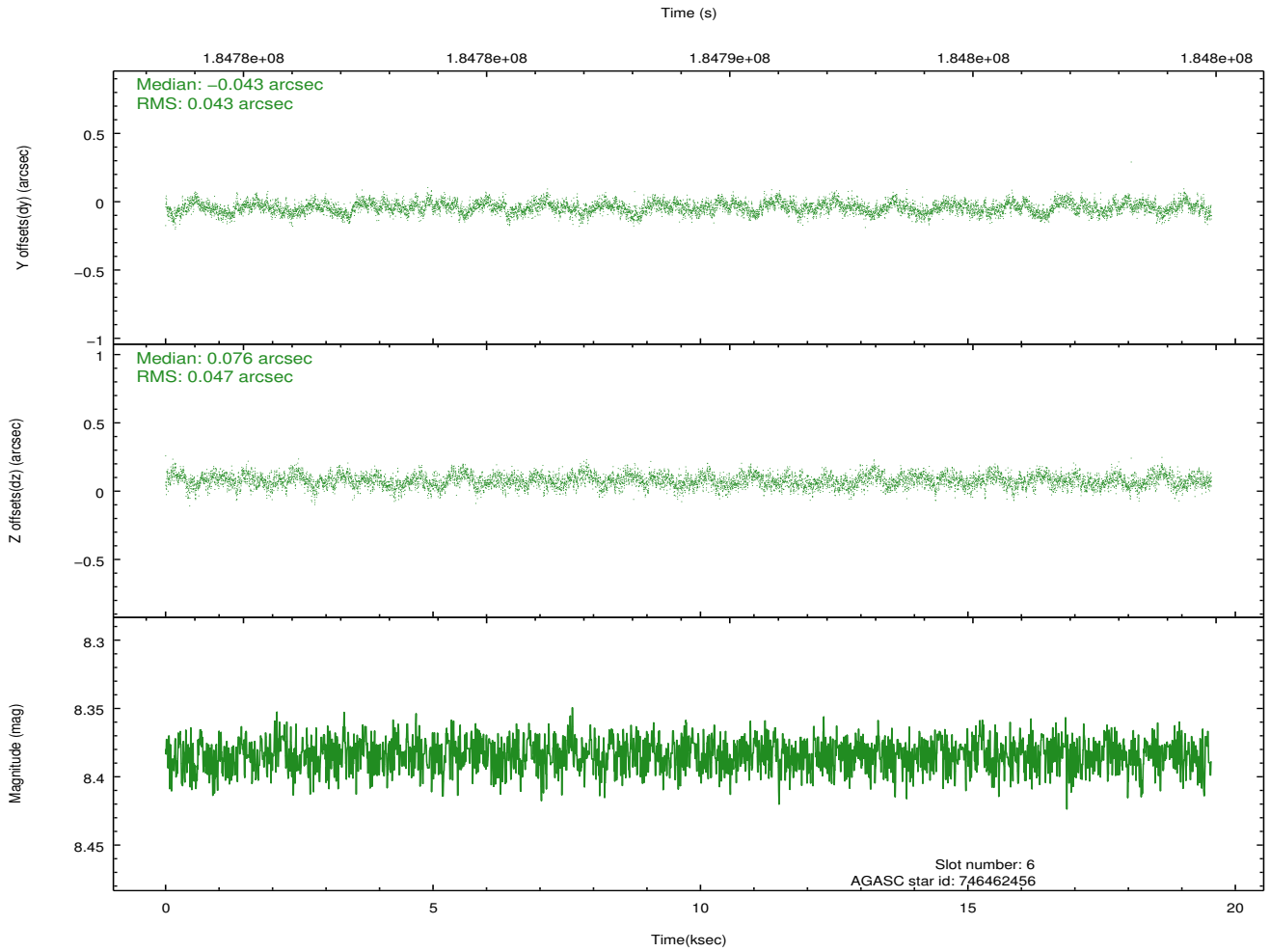
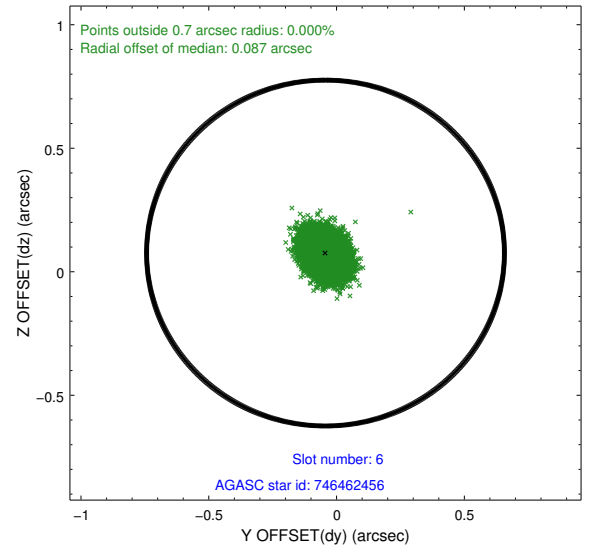
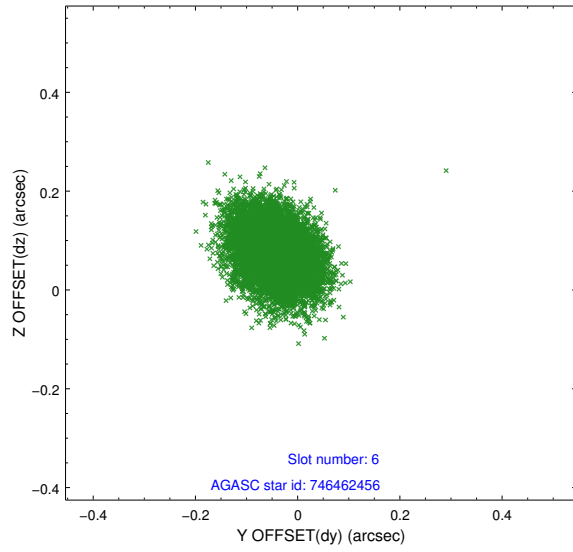
2.4.2 Slot 4



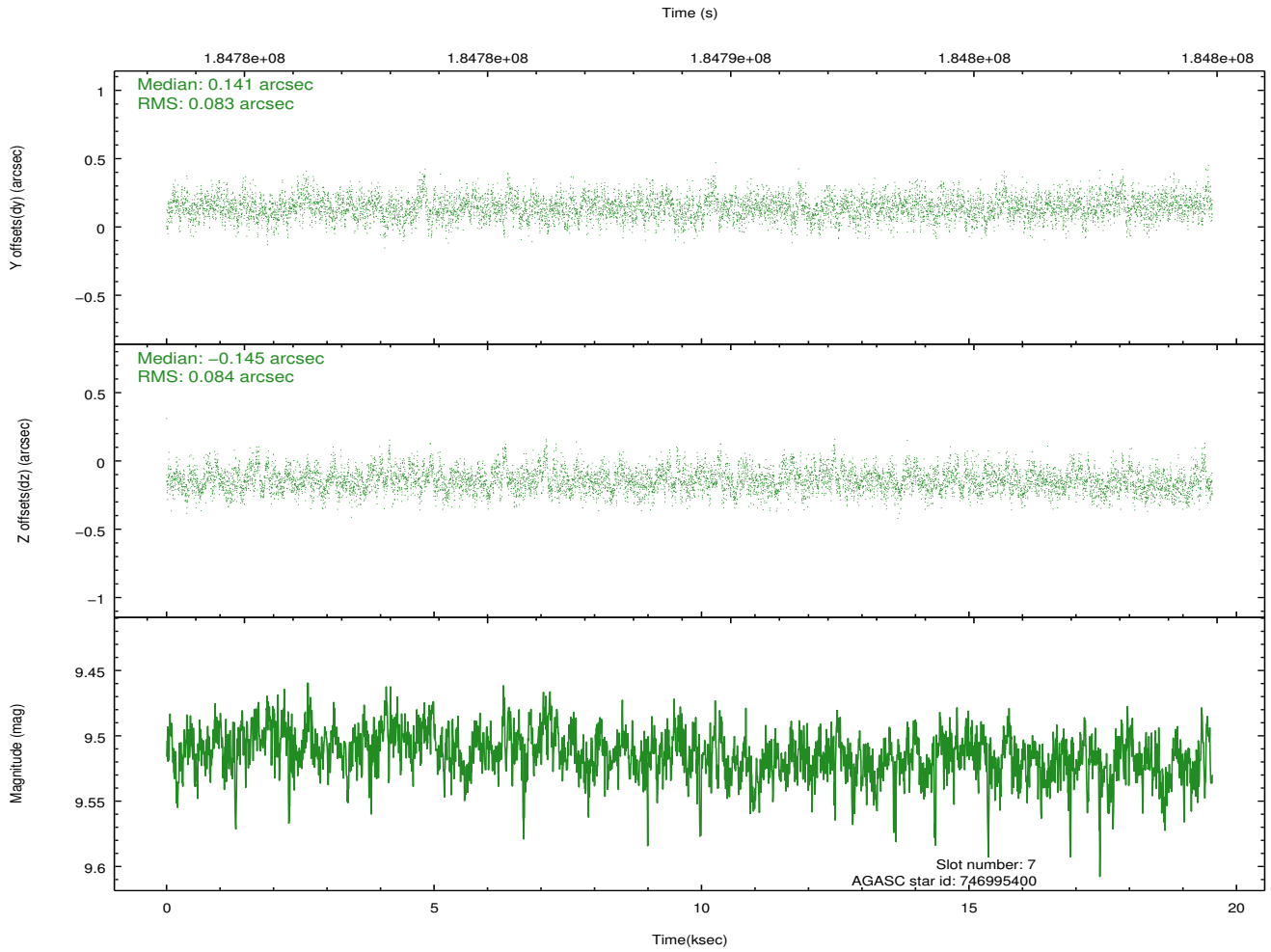
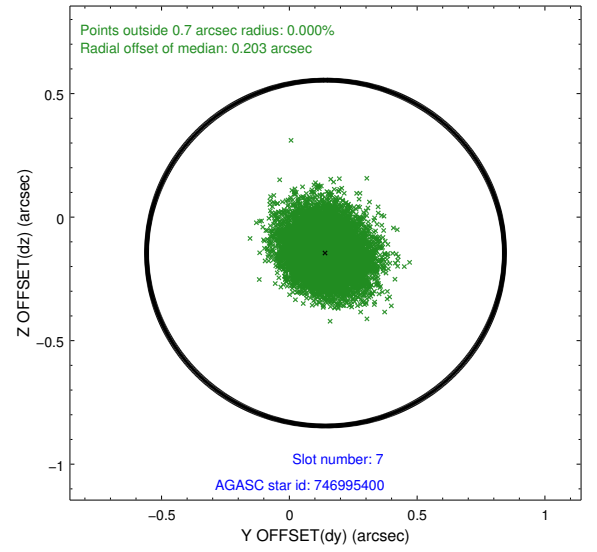
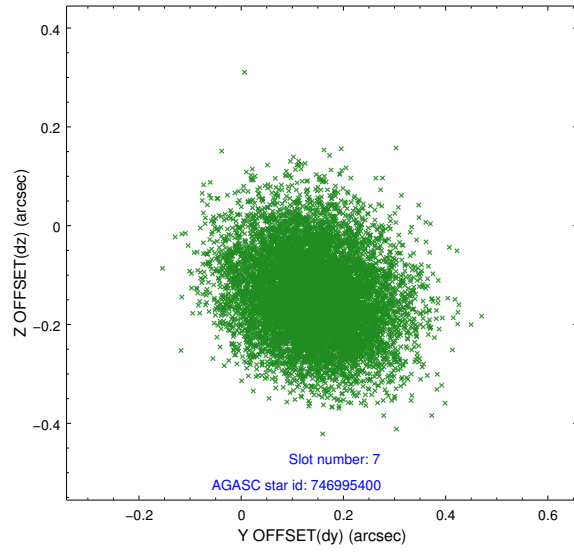
2.4.3 Slot 5



2.4.4 Slot 6

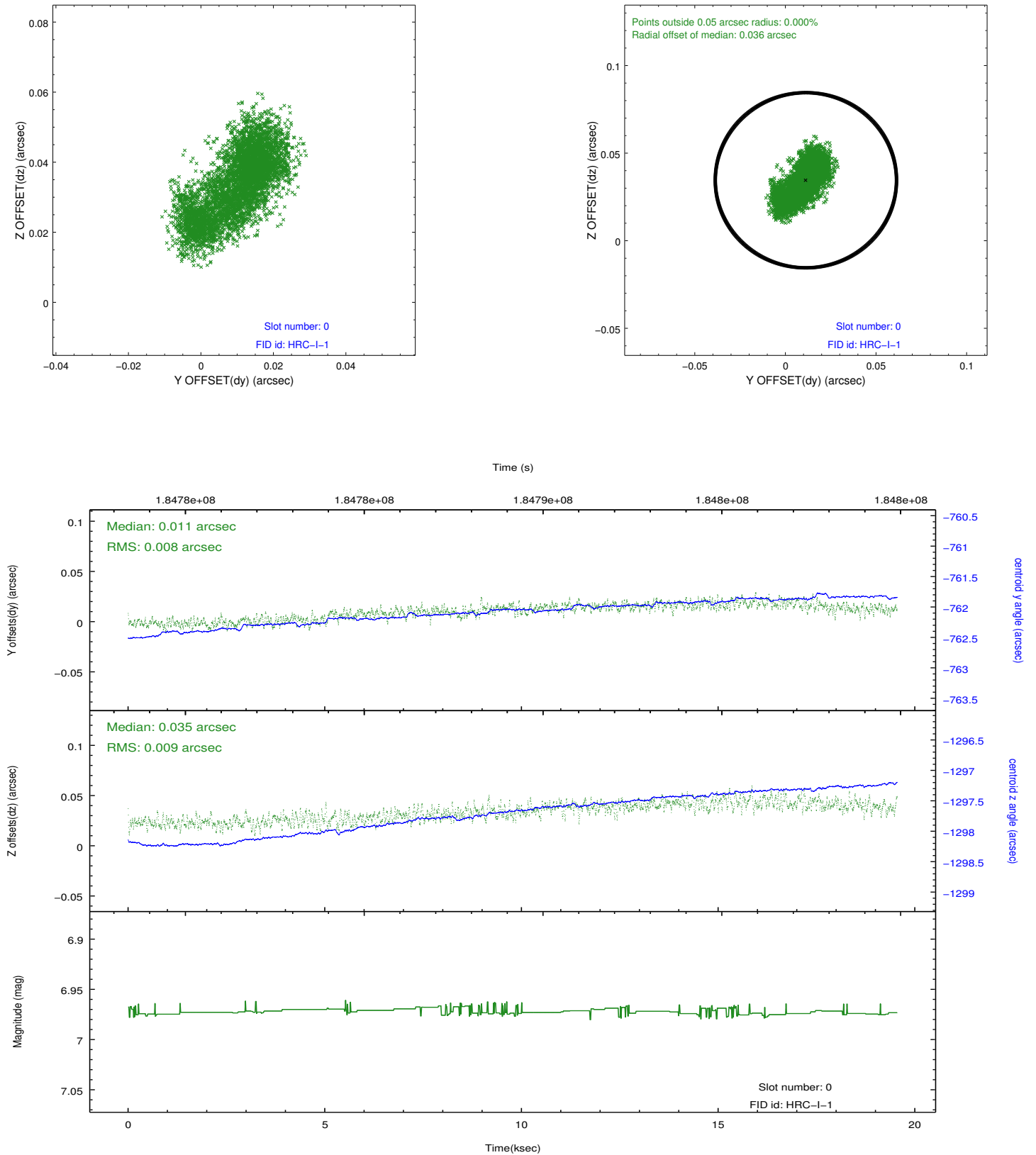


2.4.5 Slot 7

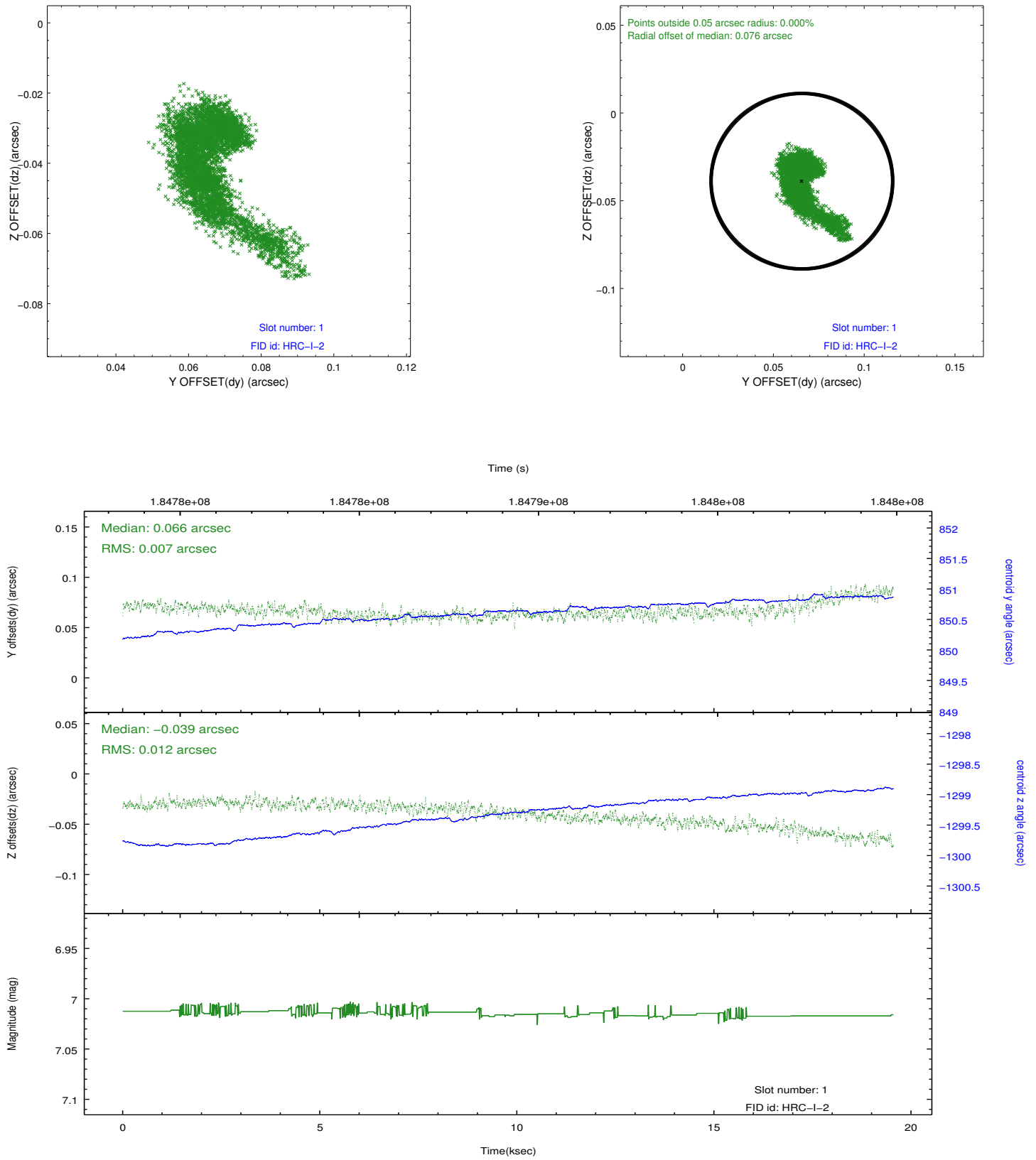


2.5 FID Slots

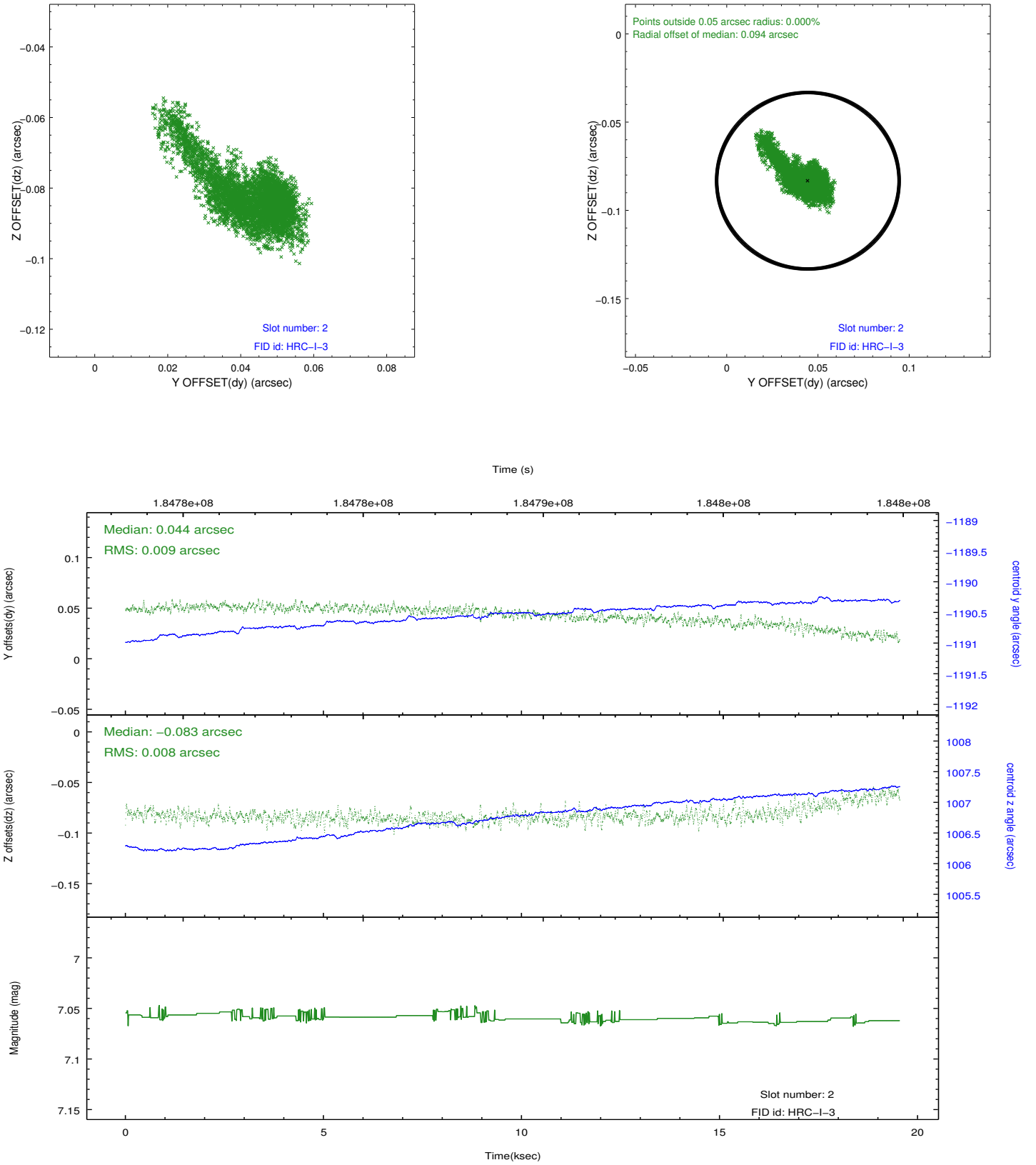
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.11.30
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	19.38

A.2 Comments

Window constraint satisfied.