

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 996 - L2 Version 5
Chandra X-Ray Center

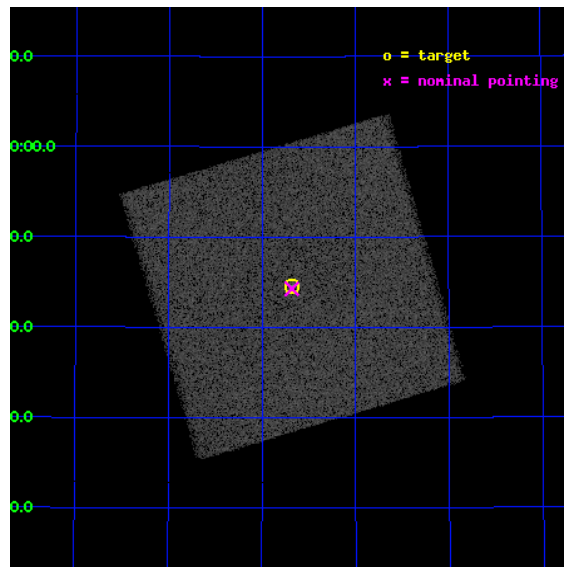
L2 Processing Date : Sep 4 2012

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

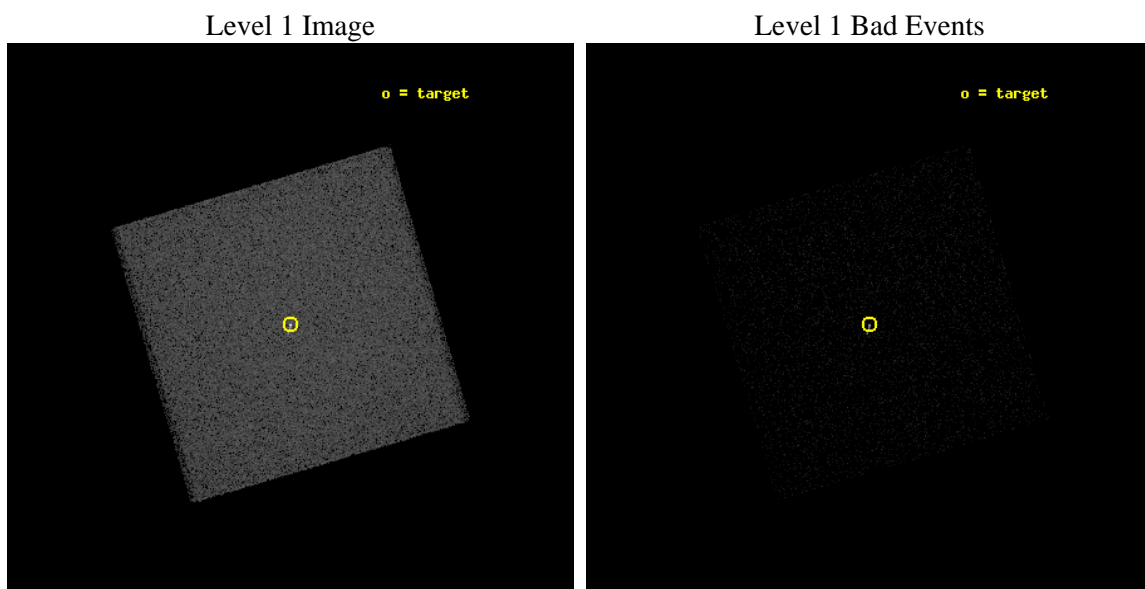
seq_num	290077	Sequence number
obs_id	996	Observation id
title	HRC-I CALIBRATION OBSERVATIONS OF ARLAC	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC,HRC-I,AO2A	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.1701517361	Nominal RA [deg]
dec_nom	45.738013875947	Nominal Dec [deg]
roll_nom	298.55663213533	Nominal Roll [deg]
revision	5	Processing version of data
ontime	870.48128329217	[s]
livetime	789.40856789466	Ontime multiplied by DTCOR
l2events	116950	Number of level 2 events



2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	870.48128329217	[s]
caldbver	4.5.1.1	 	l1events	177595	Number of level 1 events
date	2012-09-04T06:00:01	Date and time of file creation			
revision	5	Processing version of data			

2.1.3 Events

Level 1 Events

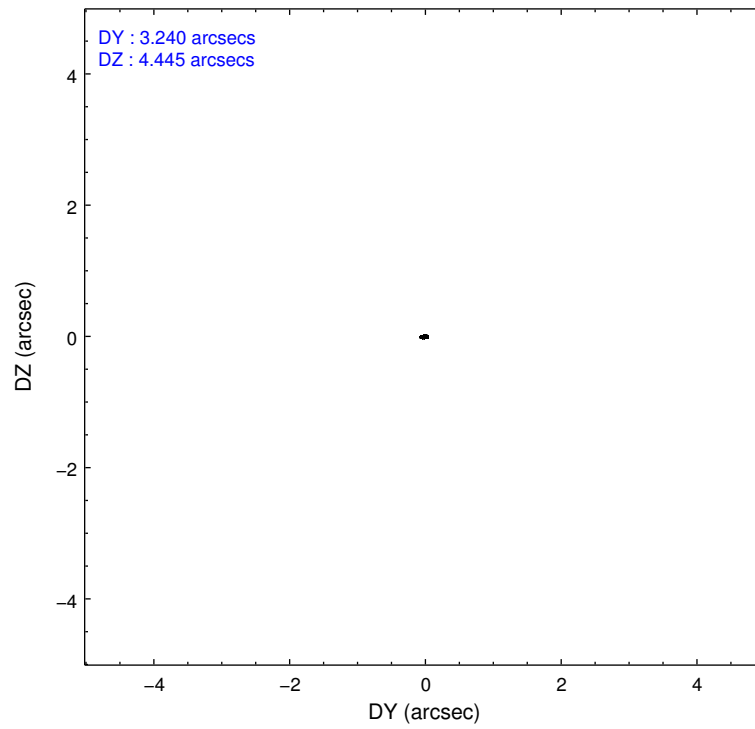
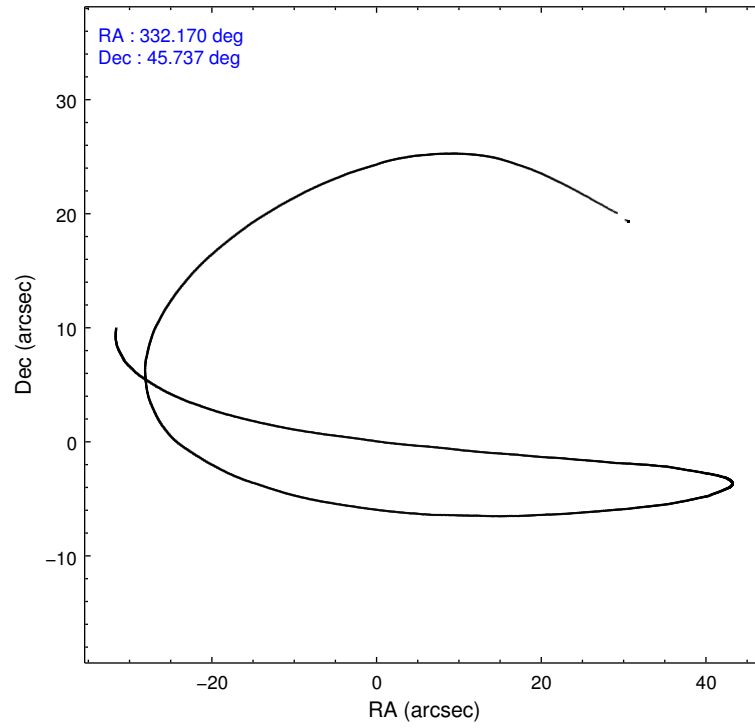
	segment 0
level 1 events	177595
rejected events	31270
rejected %	17%

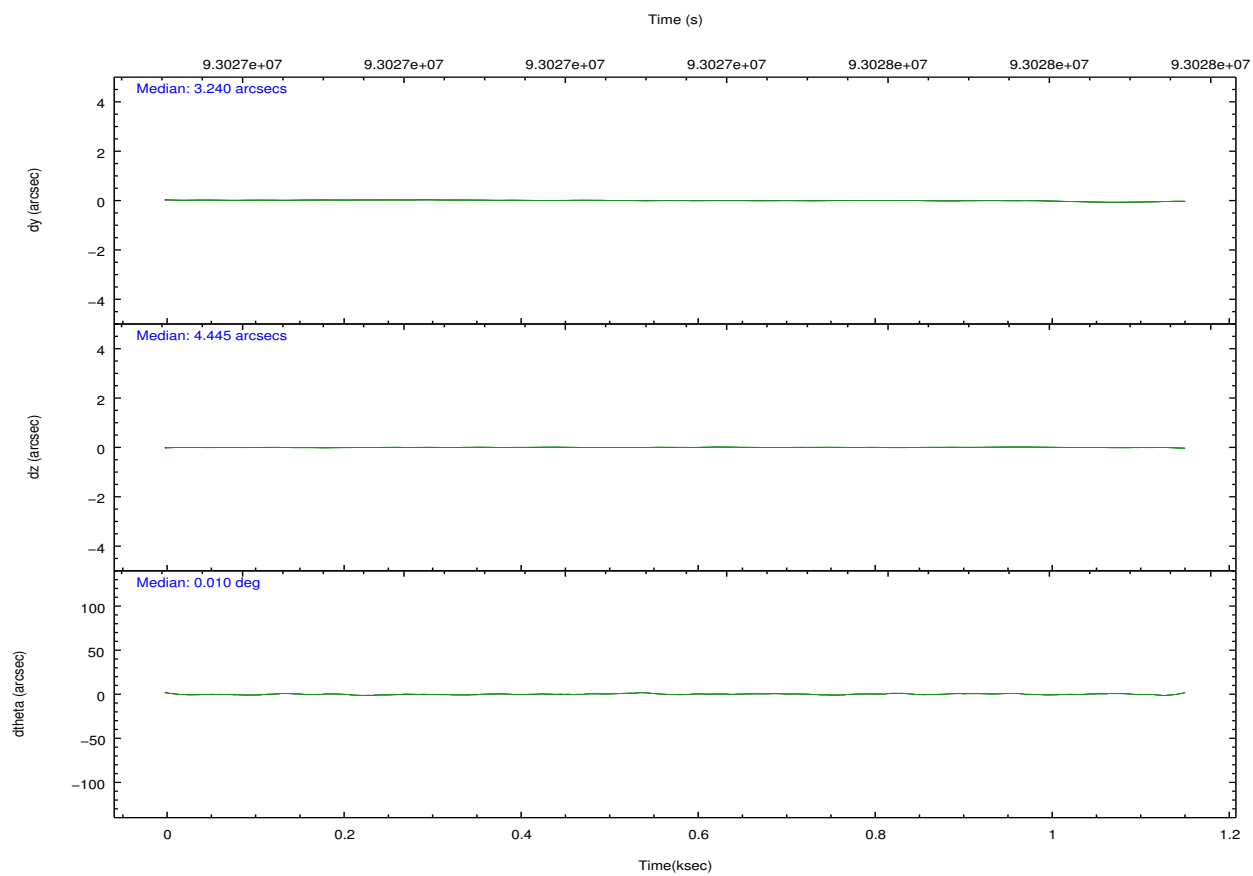
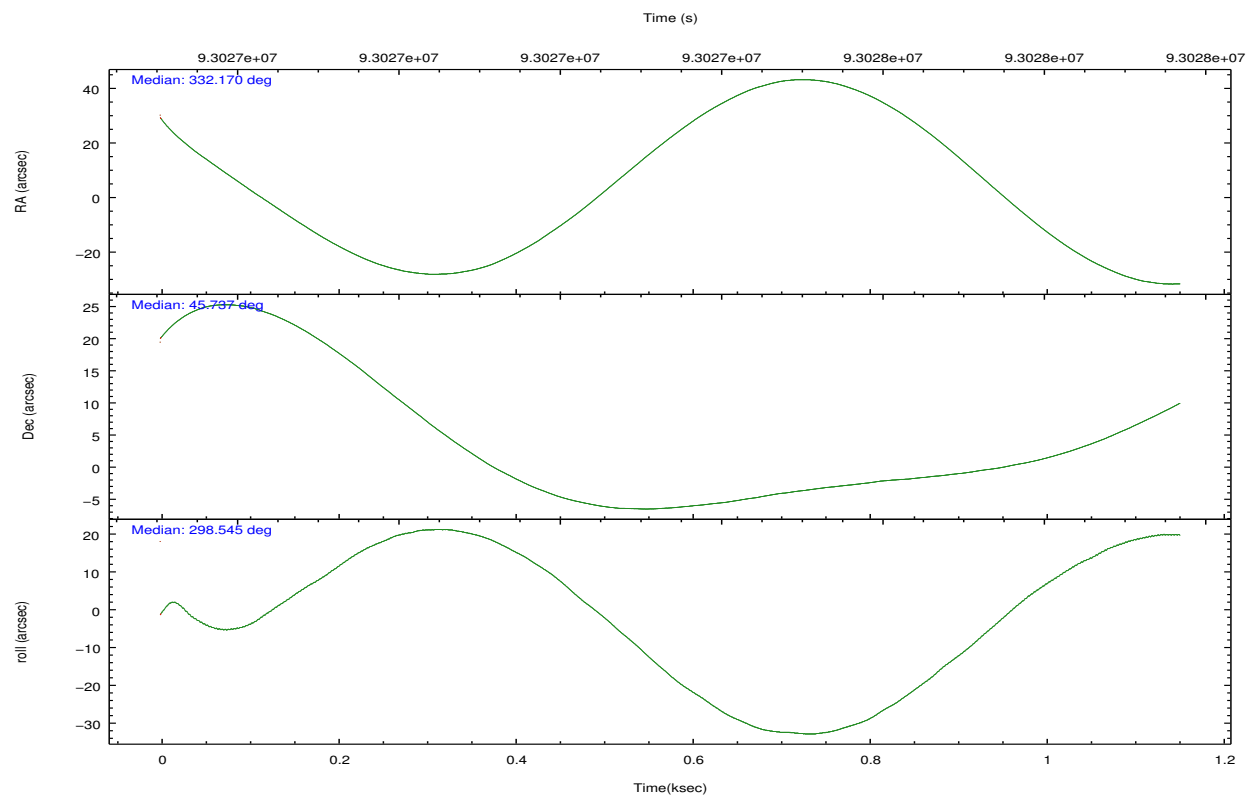
2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	HRC	HRC
Detector	HRC-I	HRC-I
Grating	NONE	NONE
Data mode	OBSERVING	OBSERVING
Observation mode	POINTING	POINTING
[deg] Pointing RA	332.137008	332.1701517360978
[deg] Pointing Dec	45.751761	45.73801387594729
[deg] Pointing Roll	298.675606	298.5566321353292
[s] Window start time (MET)	89424064.184000	89424064.184000
[s] Window stop time (MET)	94608064.184000	94608064.184000
[mm] SIM focus pos	-1.040293	-1.038866356238299
[mm] SIM defocus	0	0.001426264420575141
[mm] SIM translation stage pos	126.985494	126.9854943052878
[mm] SIM translation stage offset	0	-5.413686238853188e-06
[s] Observation start time (MET)	93026911.184000	93025898.48742899
Observation start date	2000-12-12T16:47:27	2000-12-12T16:31:38
[s] Observation end time (MET)	93027911.184000	93028044.837511
Observation end date	2000-12-12T17:04:07	2000-12-12T17:07:24

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED

2.3 Aspect



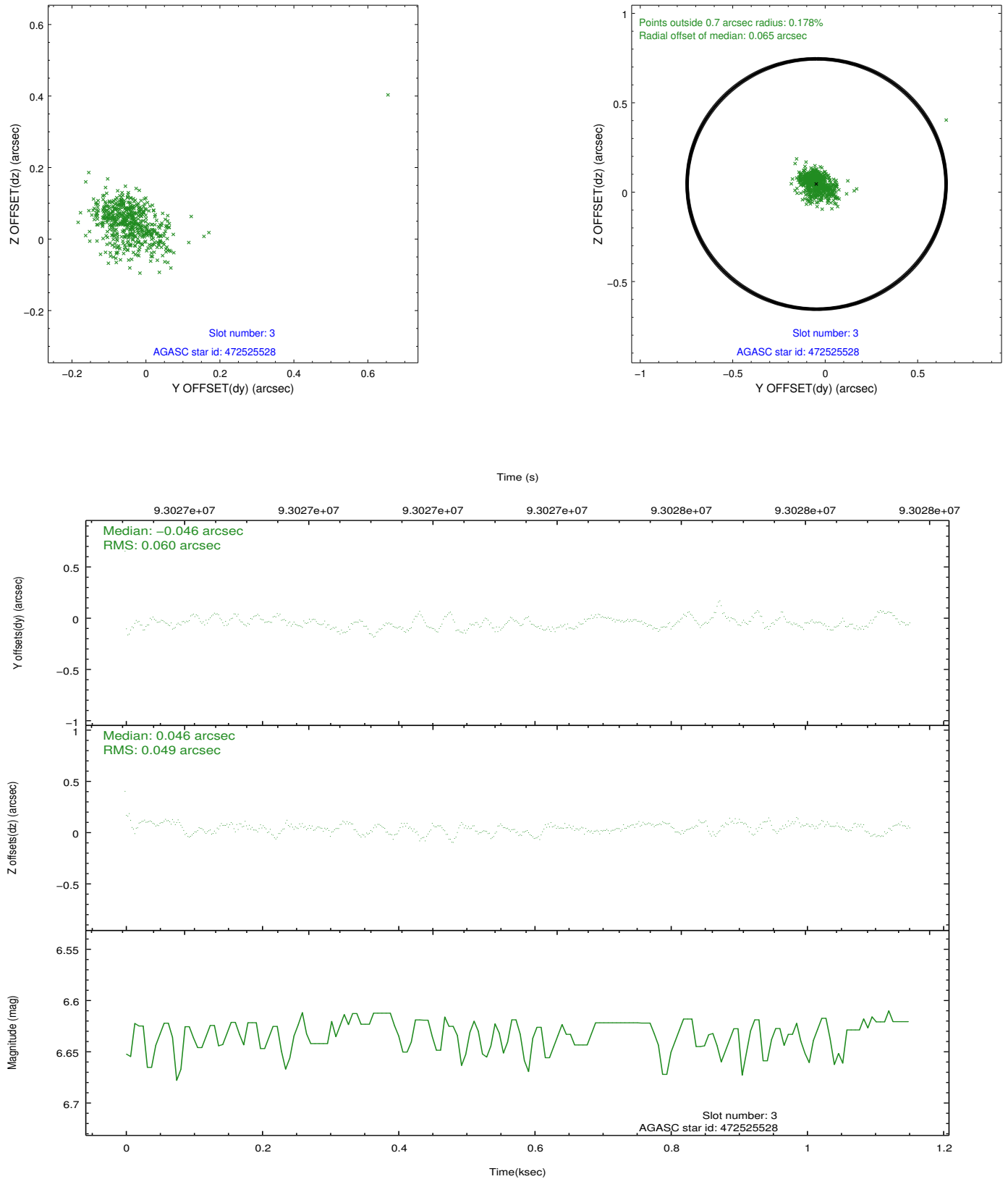


Slot Statistics

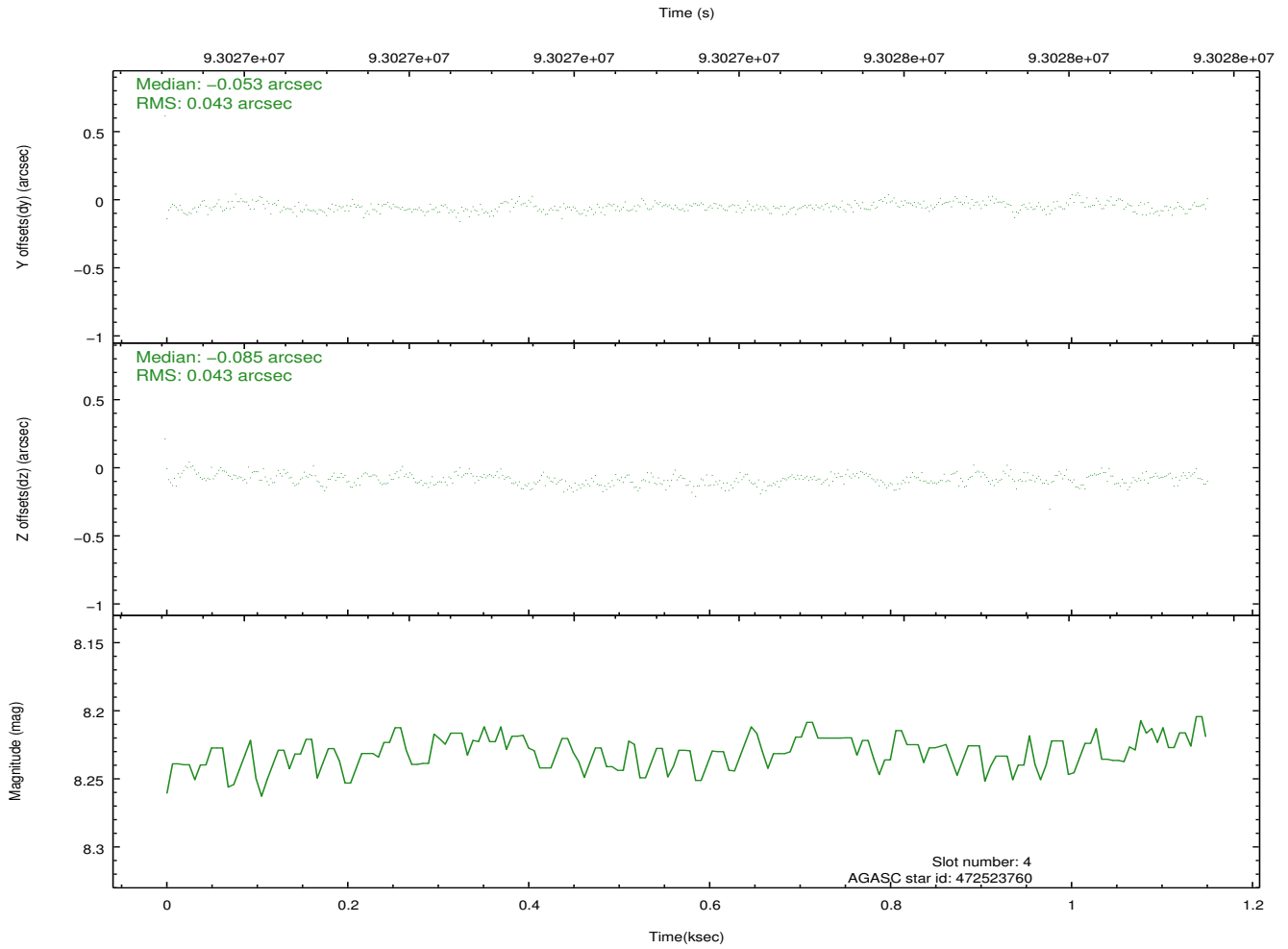
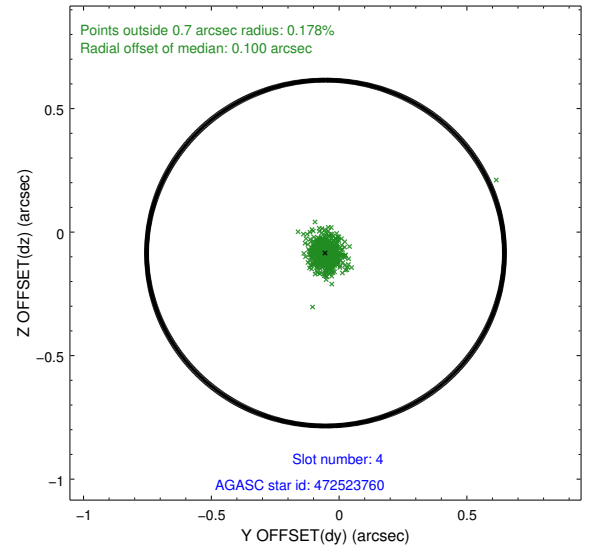
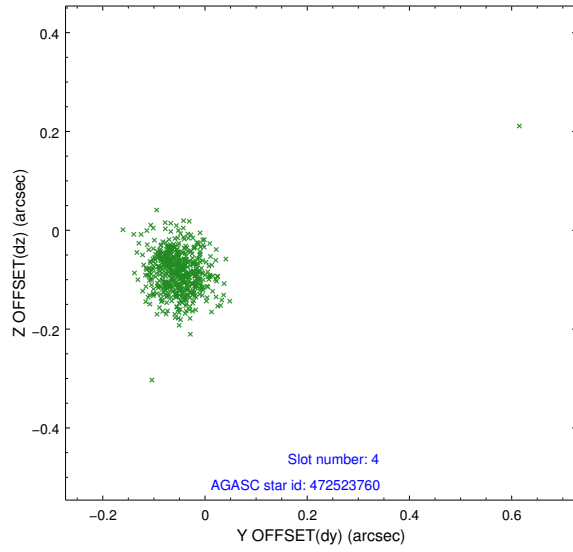
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	6.97	282	0.045	0.034	0.006	0.009	0.000000	0.000000	-758.71	-1292.22
1	FID	HRC-I-2	7.01	282	0.087	-0.061	0.007	0.010	0.000000	0.000000	851.28	-1298.50
2	FID	HRC-I-4	6.99	282	-0.016	-0.064	0.005	0.008	0.000000	0.000000	1287.09	1005.20
3	GUIDE	472525528	6.63	563	-0.046	0.046	0.073	0.122	331.551102	45.248694	872.29	-2169.30
4	GUIDE	472523760	8.23	563	-0.053	-0.085	0.054	0.093	331.645363	45.403260	503.21	-1694.53
5	GUIDE	472665256	9.02	563	-0.059	-0.100	0.092	0.154	332.808125	46.195041	-603.09	2232.95
6	GUIDE	472659832	9.46	563	0.065	0.111	0.098	0.160	332.780399	46.098139	-330.13	2014.38
7	GUIDE	472654568	9.44	562	0.091	0.047	0.108	0.170	332.194449	45.063576	2243.63	-1056.86

2.4 Star Slots

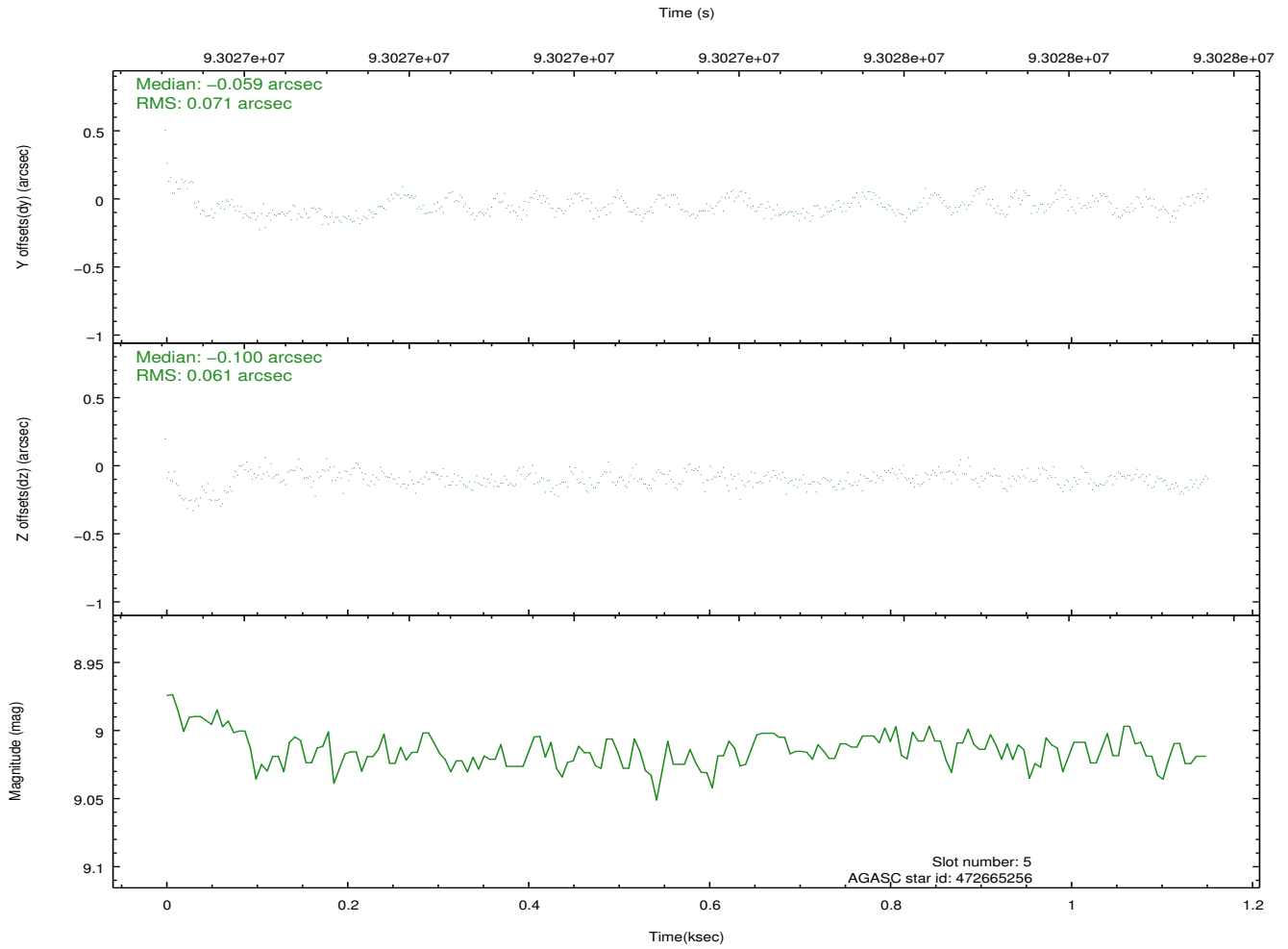
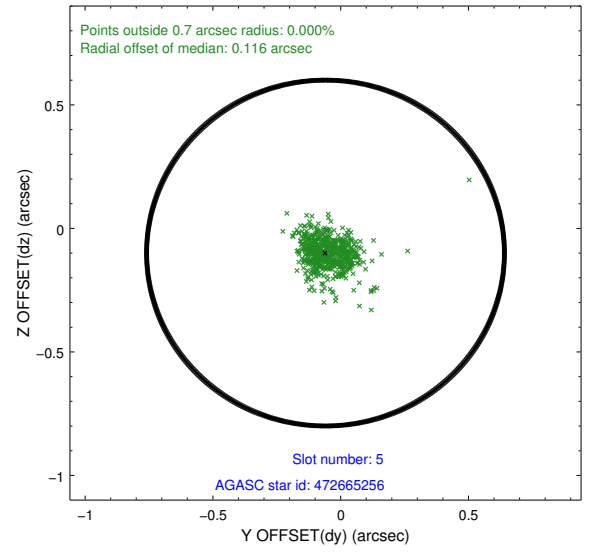
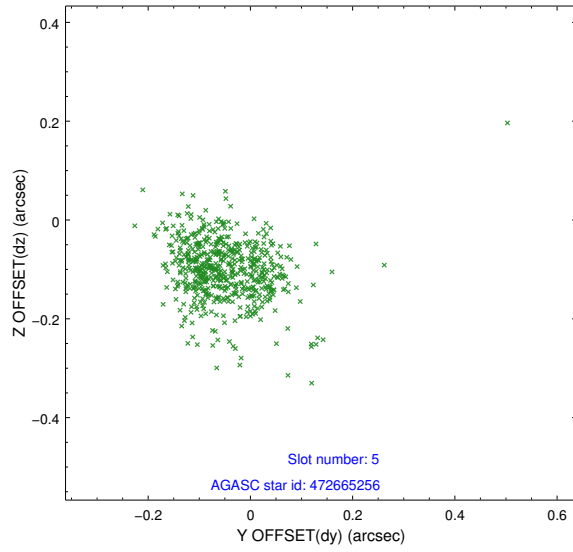
2.4.1 Slot 3



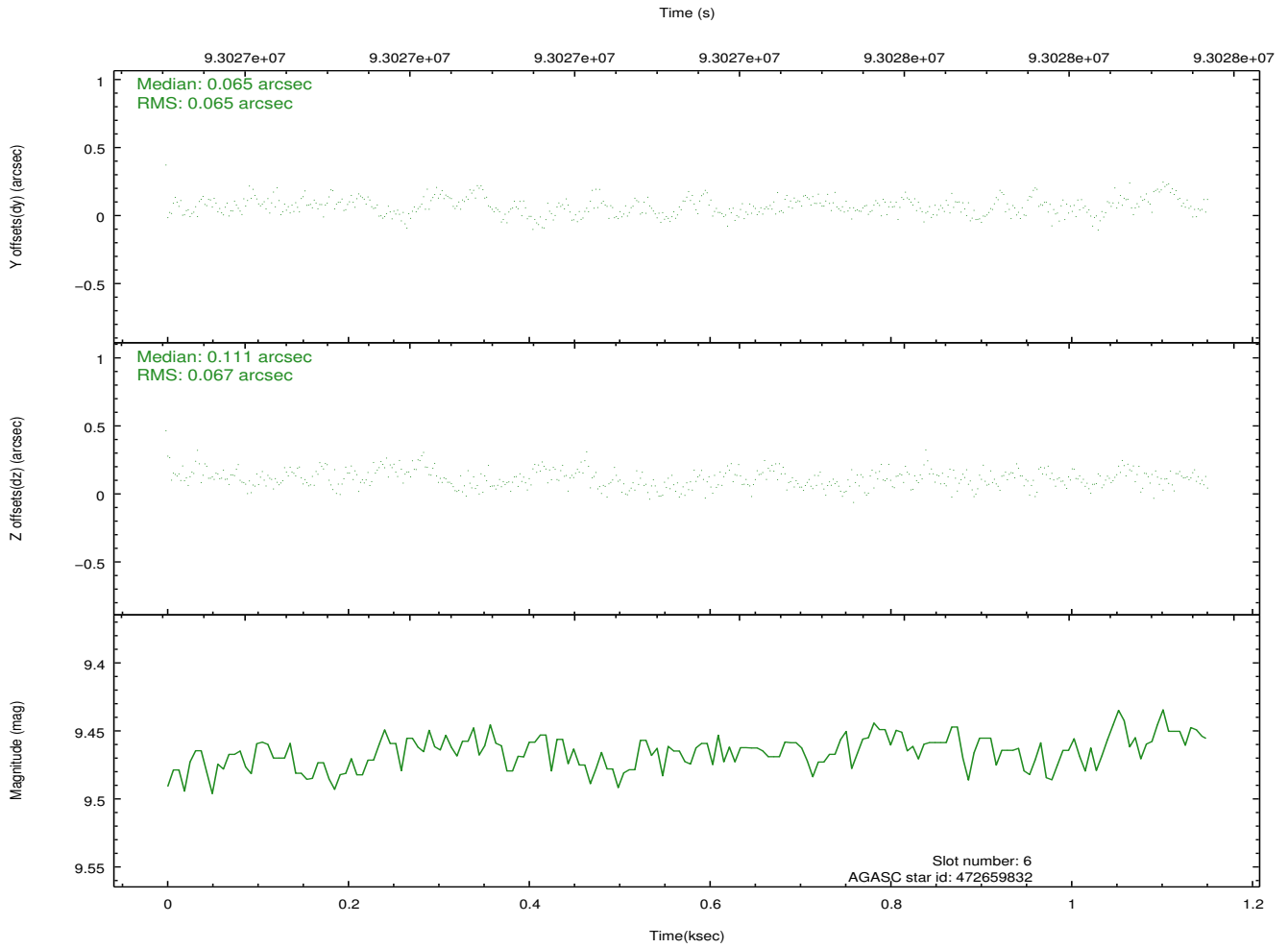
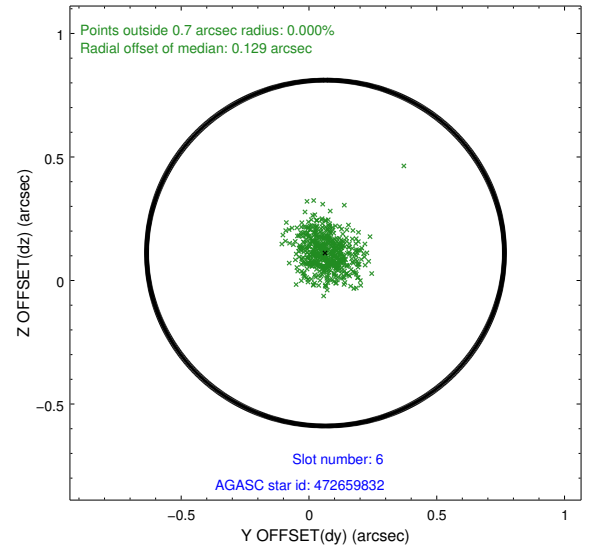
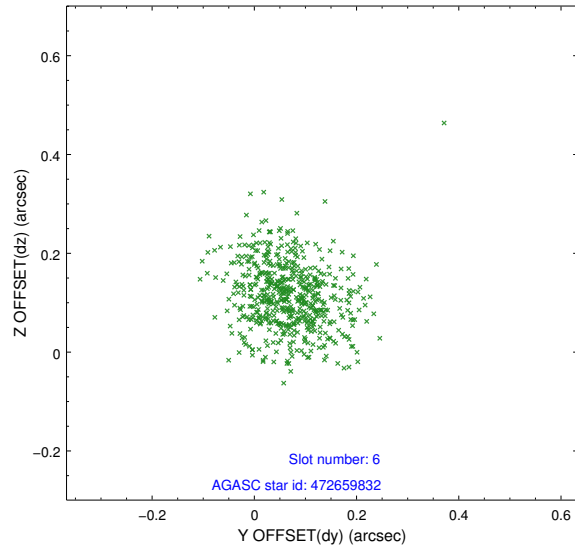
2.4.2 Slot 4



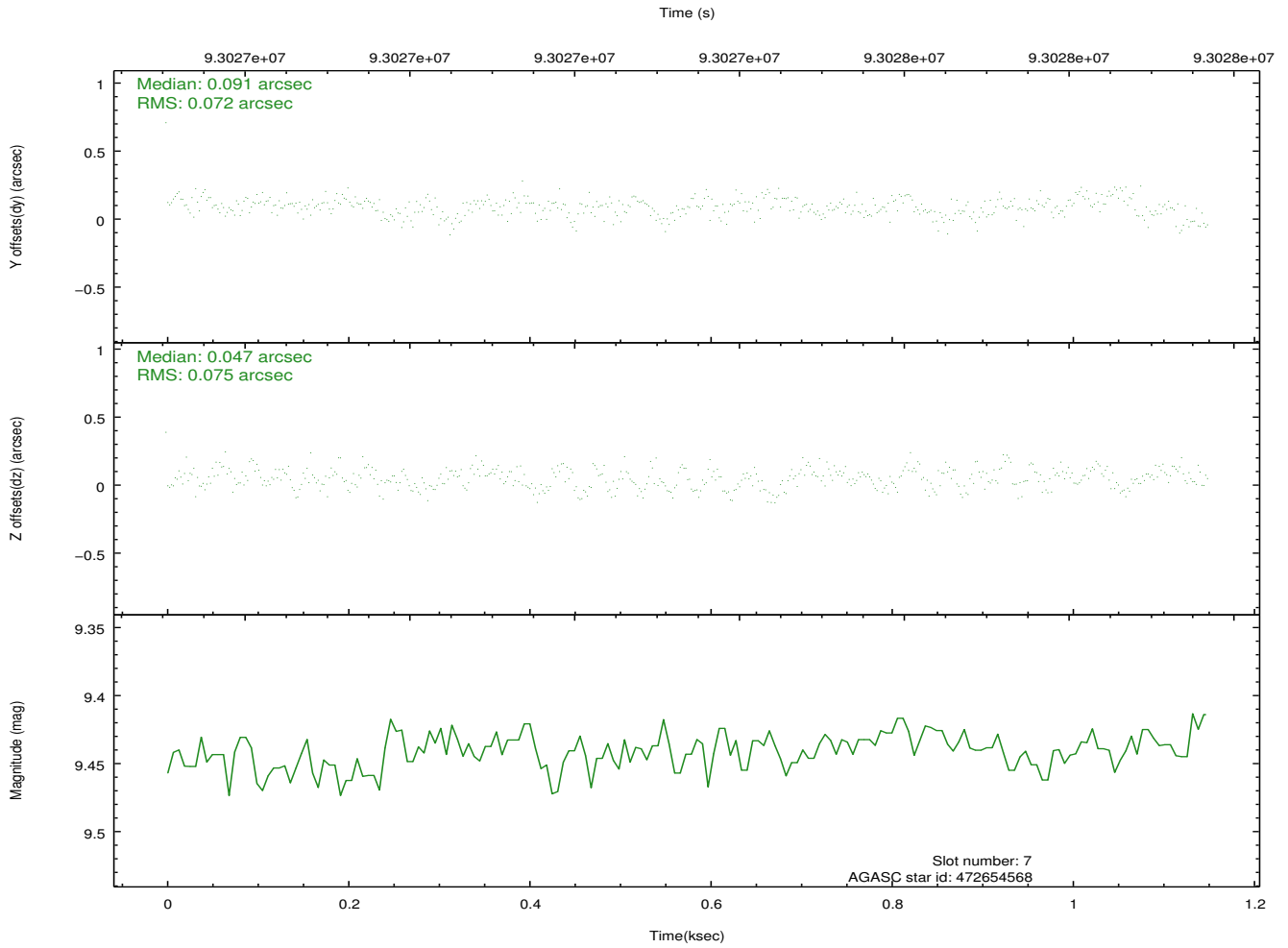
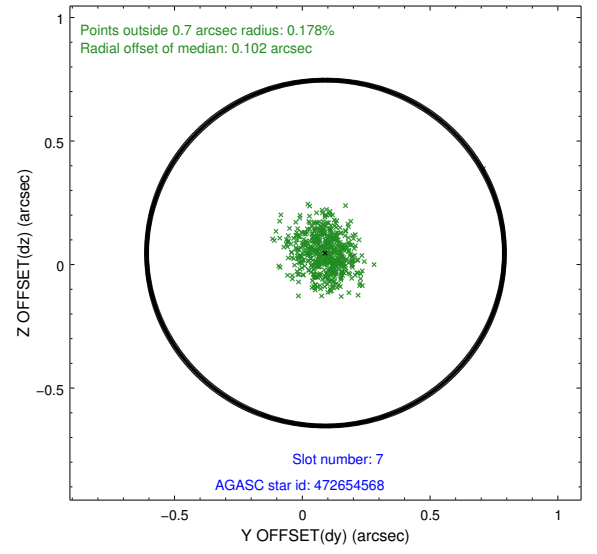
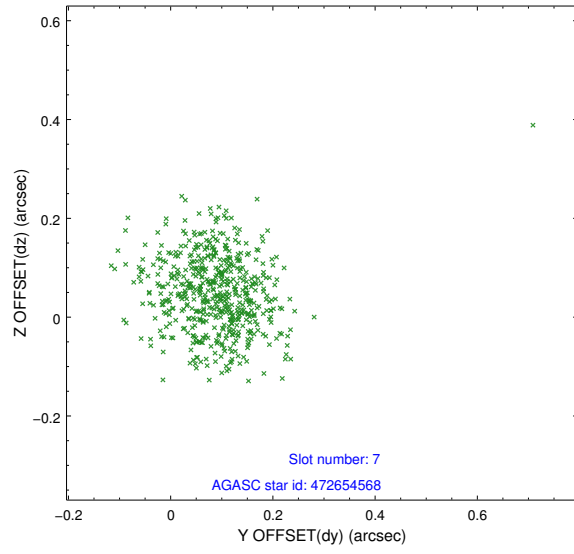
2.4.3 Slot 5



2.4.4 Slot 6

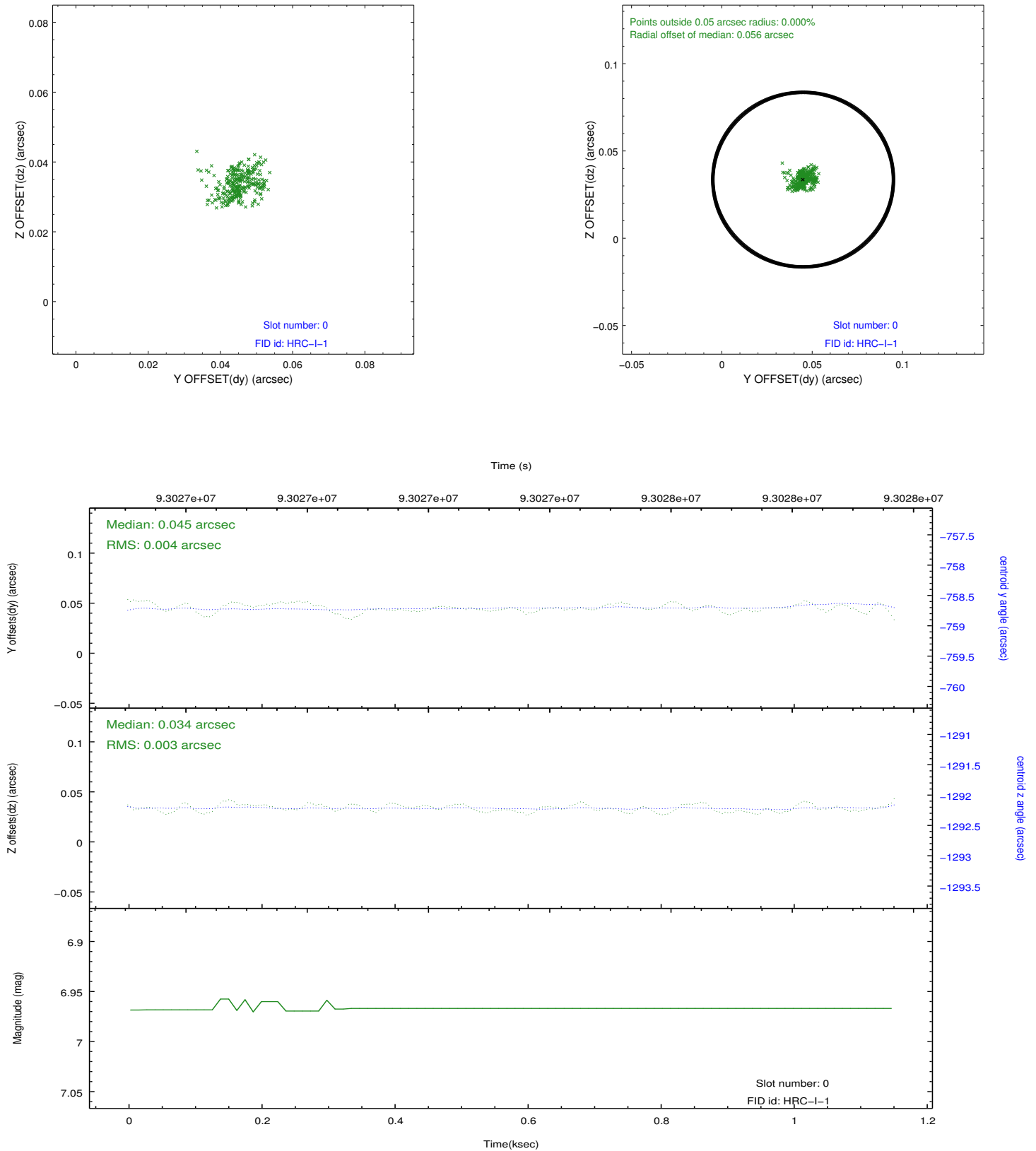


2.4.5 Slot 7

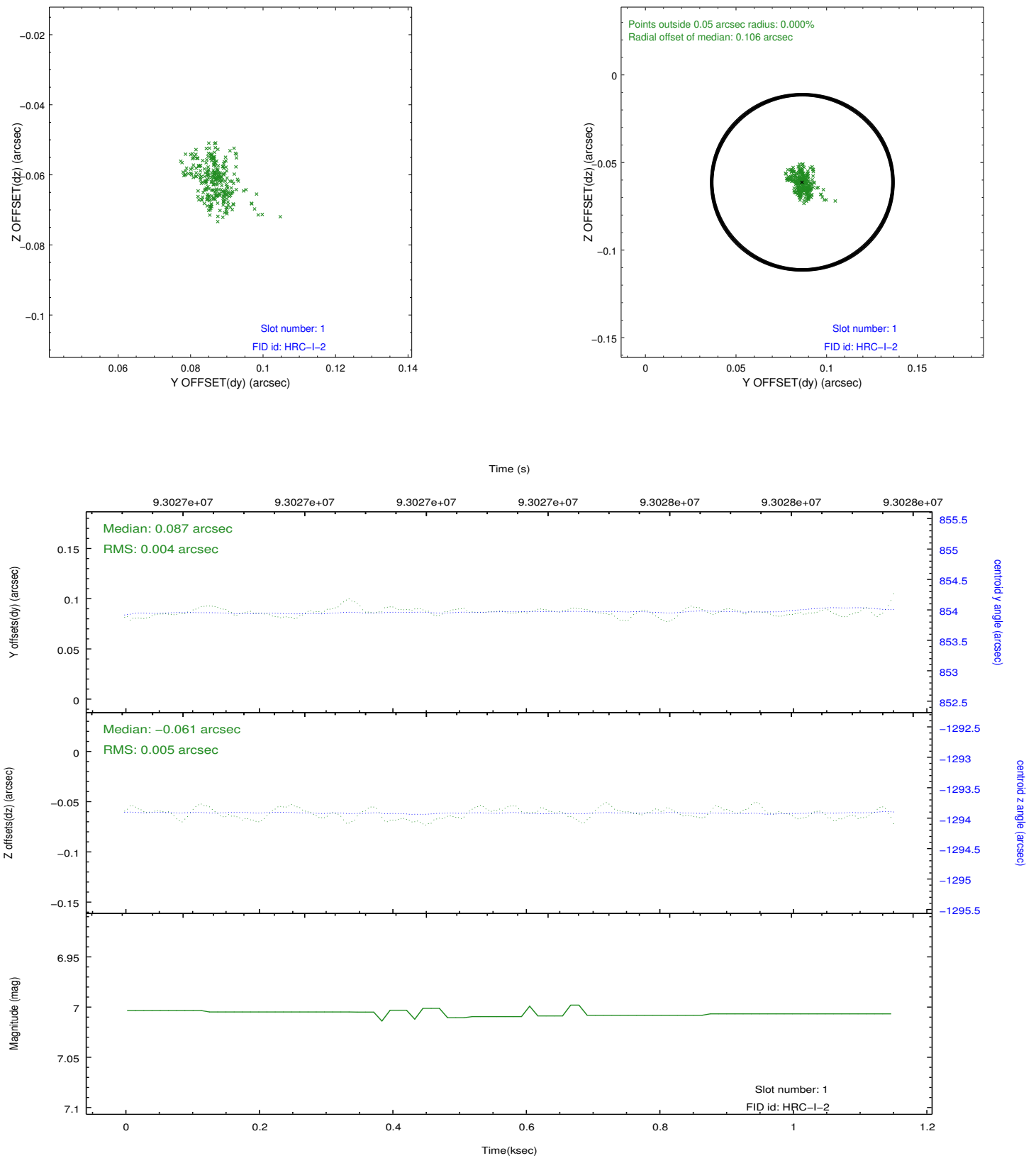


2.5 FID Slots

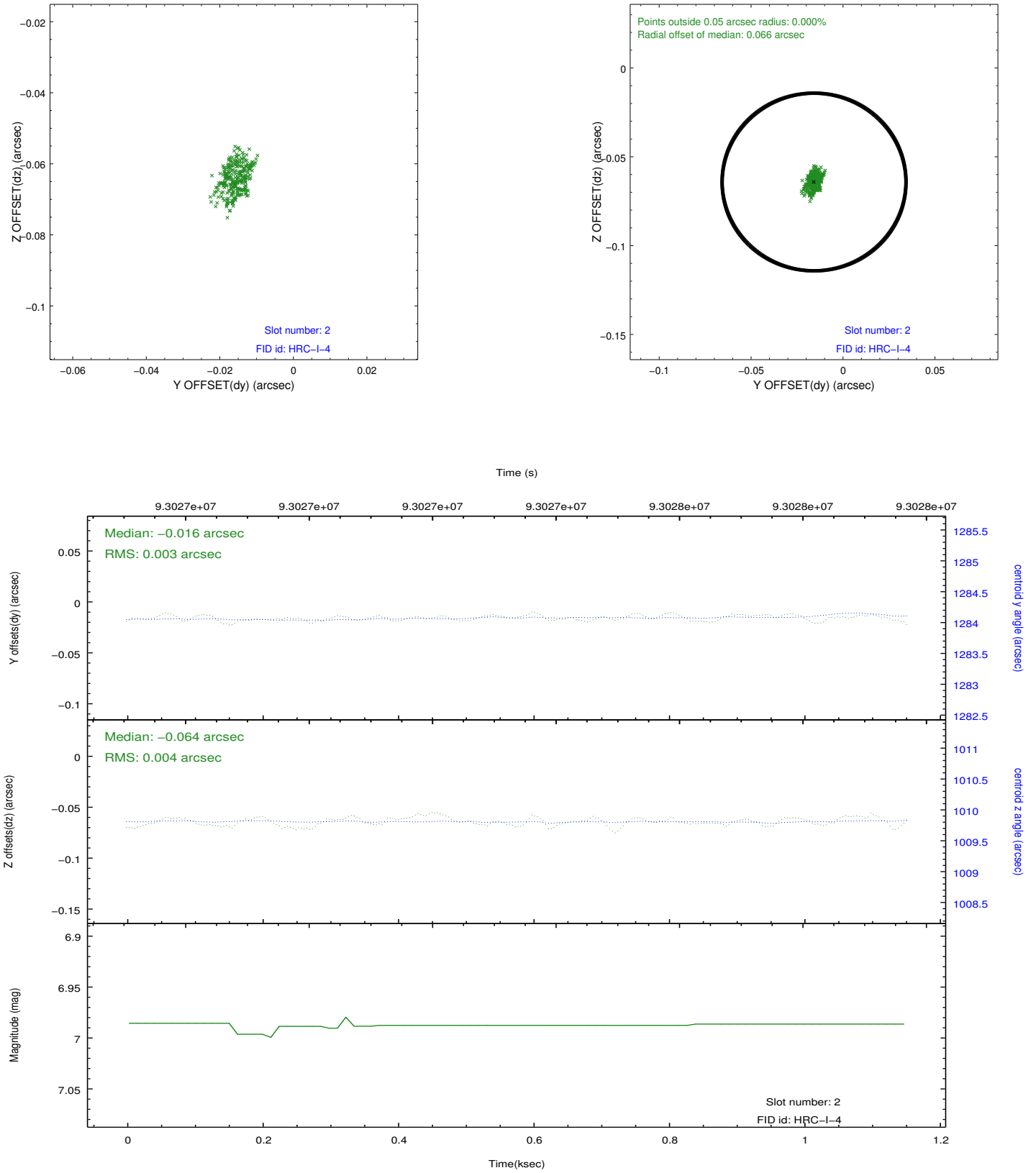
2.5.1 Slot 0



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)	2012.09.11
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.87

A.2 Comments

Window constraint met.