

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 2649 - L2 Version 3
Chandra X-Ray Center

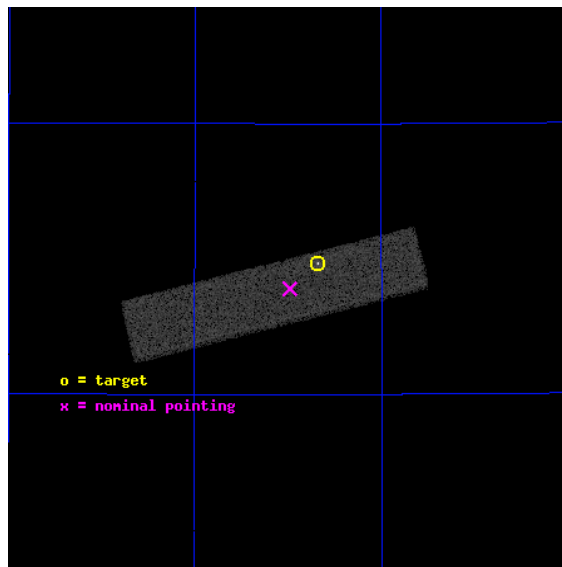
L2 Processing Date : Oct 11 2012

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

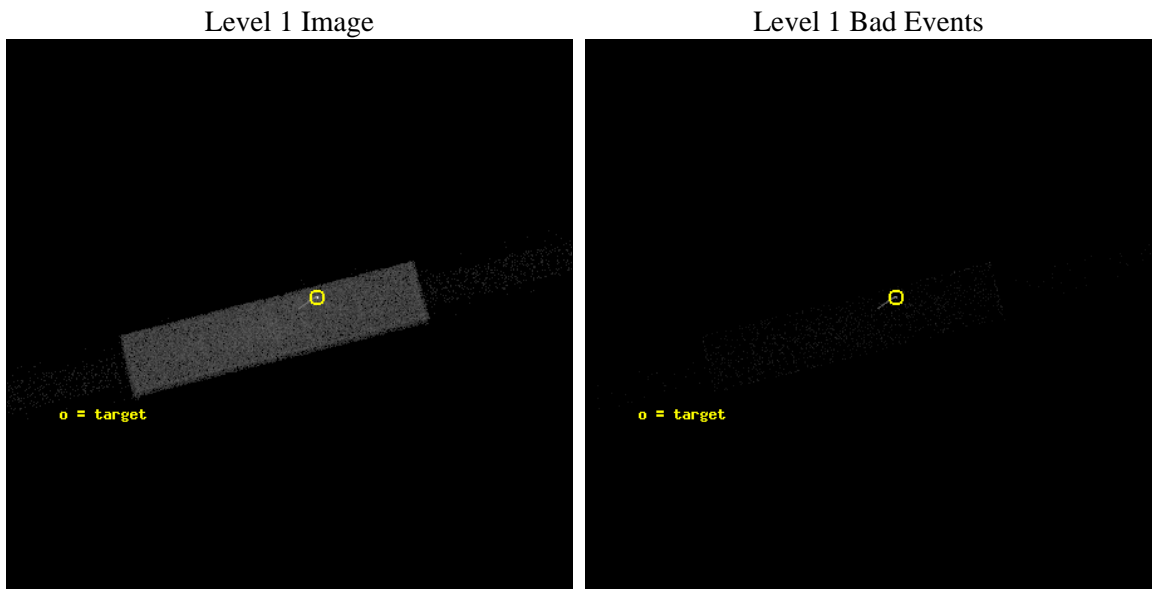
seq_num	290205	Sequence number
obs_id	2649	Observation id
title	AO3B HRC-S CALIBRATION OBSERVATION: MINI-SCAN OF ARLAC	Proposal ti
observer	Dr. CXC Calibration	Principal investigator
object	ARLAC	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.24481767107	Nominal RA [deg]
dec_nom	45.695522504339	Nominal Dec [deg]
roll_nom	165.79825507626	Nominal Roll [deg]
revision	3	Processing version of data
ontime	1143.1312970817	[s]
liveltime	1137.6127931943	Ontime multiplied by DTCOR
l2events	38483	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	1143.1312970817	[s]
caldbver	4.5.2	 	l1events	63663	Number of level 1 events
date	2012-10-11T21:43:09	Date and time of file creation			
revision	3	Processing version of data			

2.1.3 Events

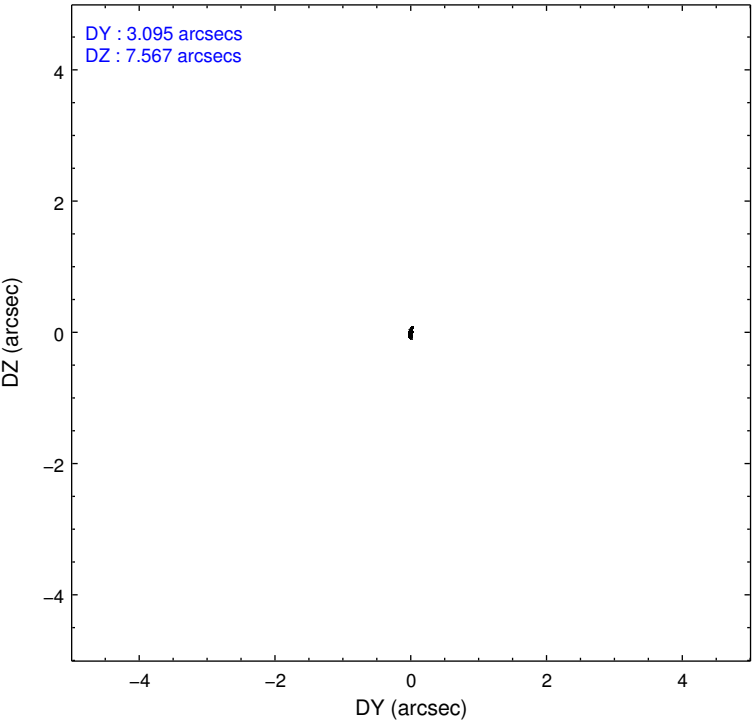
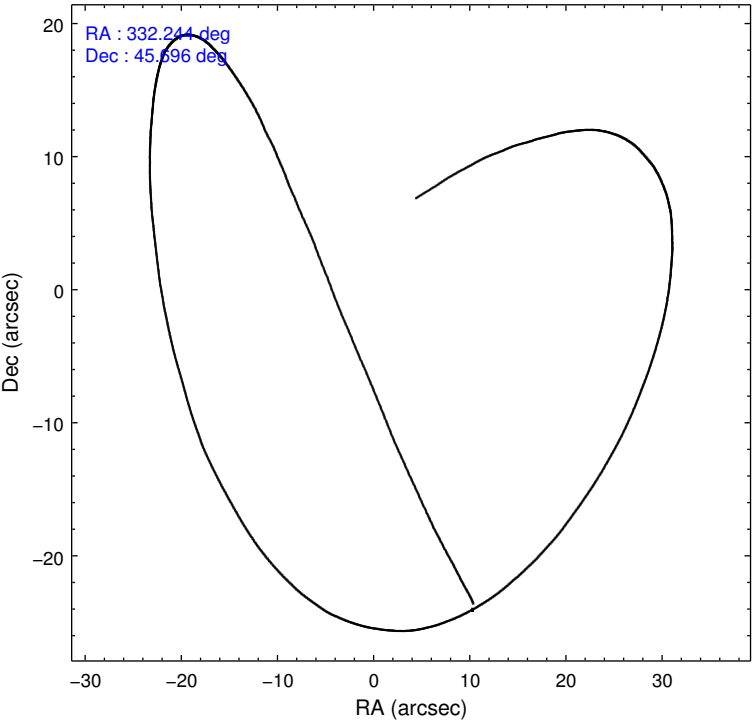
Level 1 Events

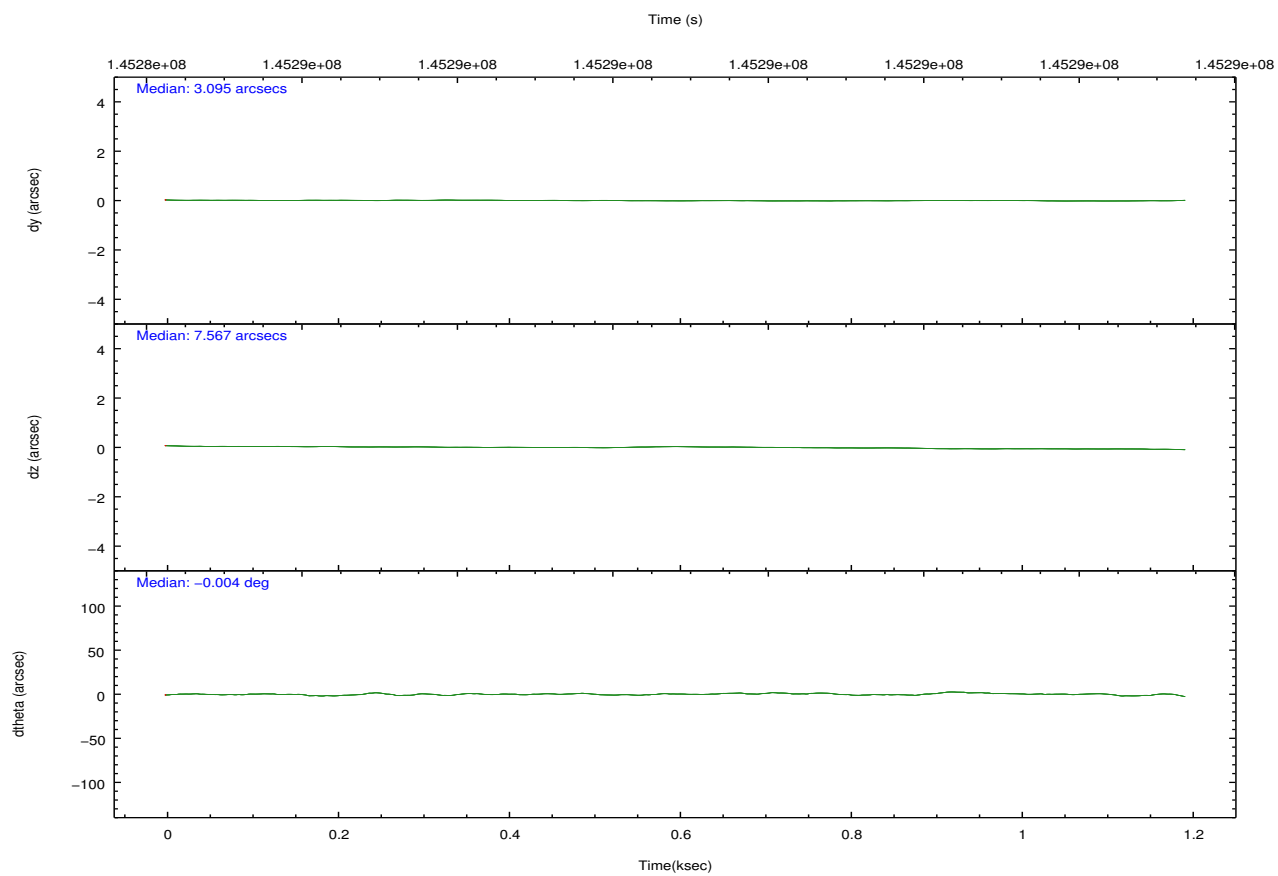
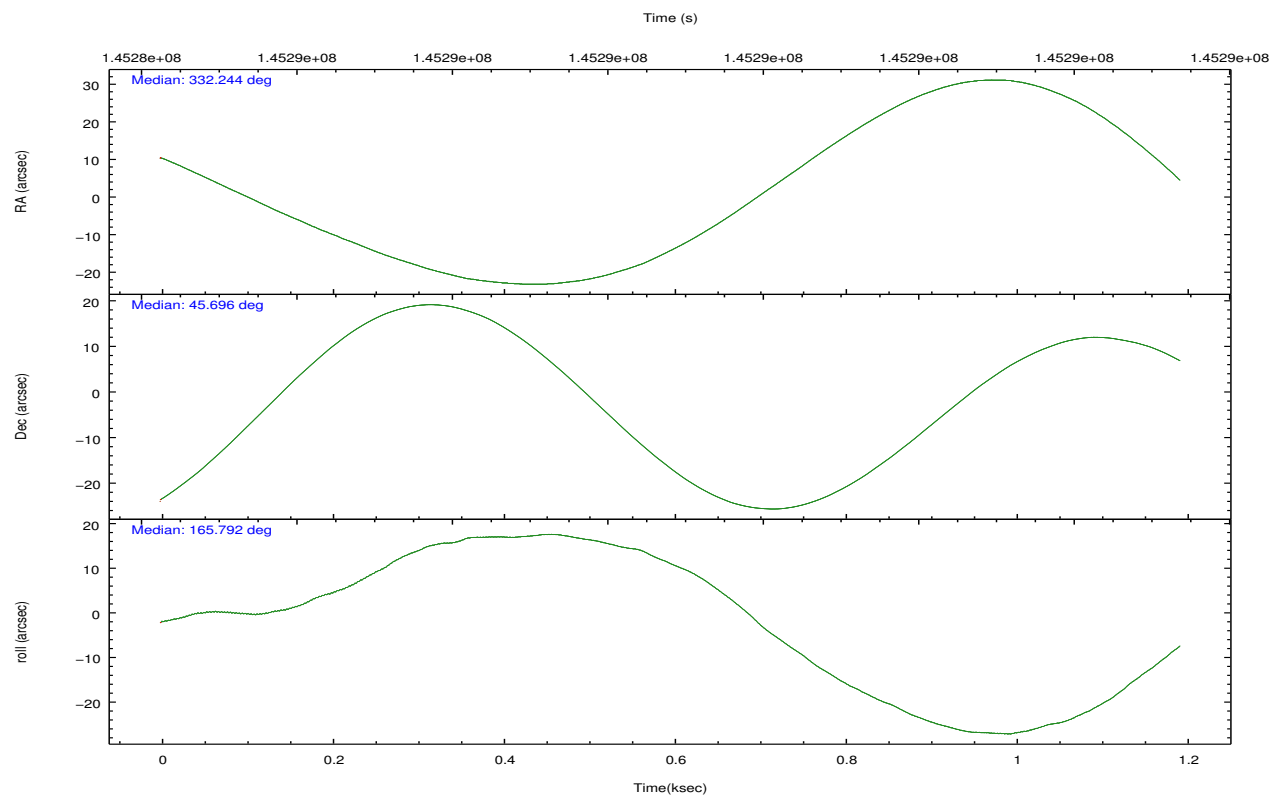
	segment 1	segment 2	segment 3
level 1 events	994	61682	987
rejected events	994	14176	987
rejected %	100%	22%	100%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	HRC	HRC	Obspar format version number	7	7
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			
[deg] Pointing RA	332.283159	332.2448176710741			
[deg] Pointing Dec	45.703997	45.6955225043392			
[deg] Pointing Roll	165.703427	165.7982550762572			
[mm] SIM focus pos	-1.429586	-1.428180813131781			
[mm] SIM defocus	0.1037507710433287	0.1051558262725154			
[mm] SIM translation stage pos	250.455976	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	145285278.184000	145284901.84934			
Observation start date	2002-08-09T13:00:14	2002-08-09T12:55:01			
[s] Observation end time (MET)	145286278.184000	145286412.1869			
Observation end date	2002-08-09T13:16:54	2002-08-09T13:20:12			

2.3 Aspect



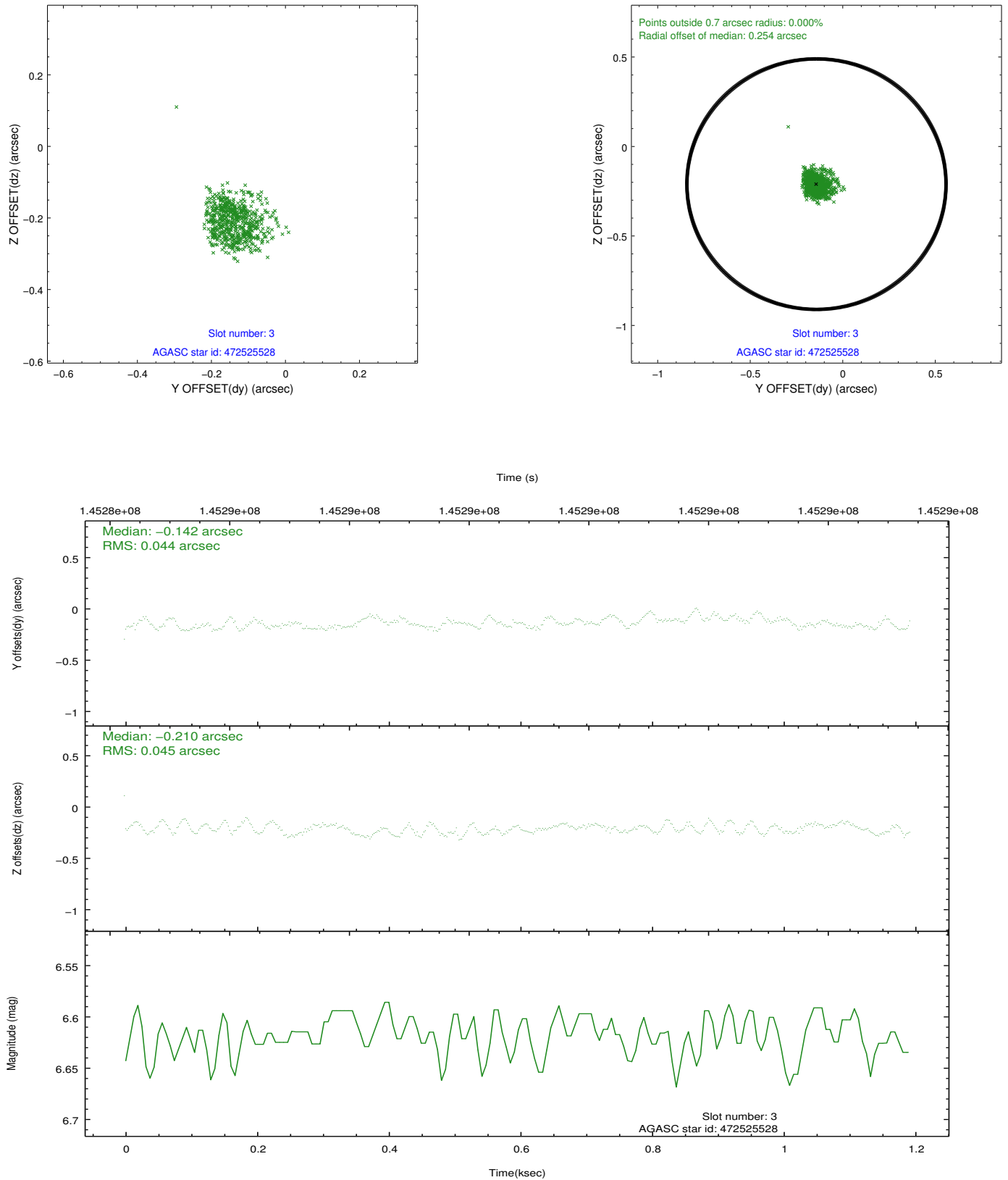


Slot Statistics

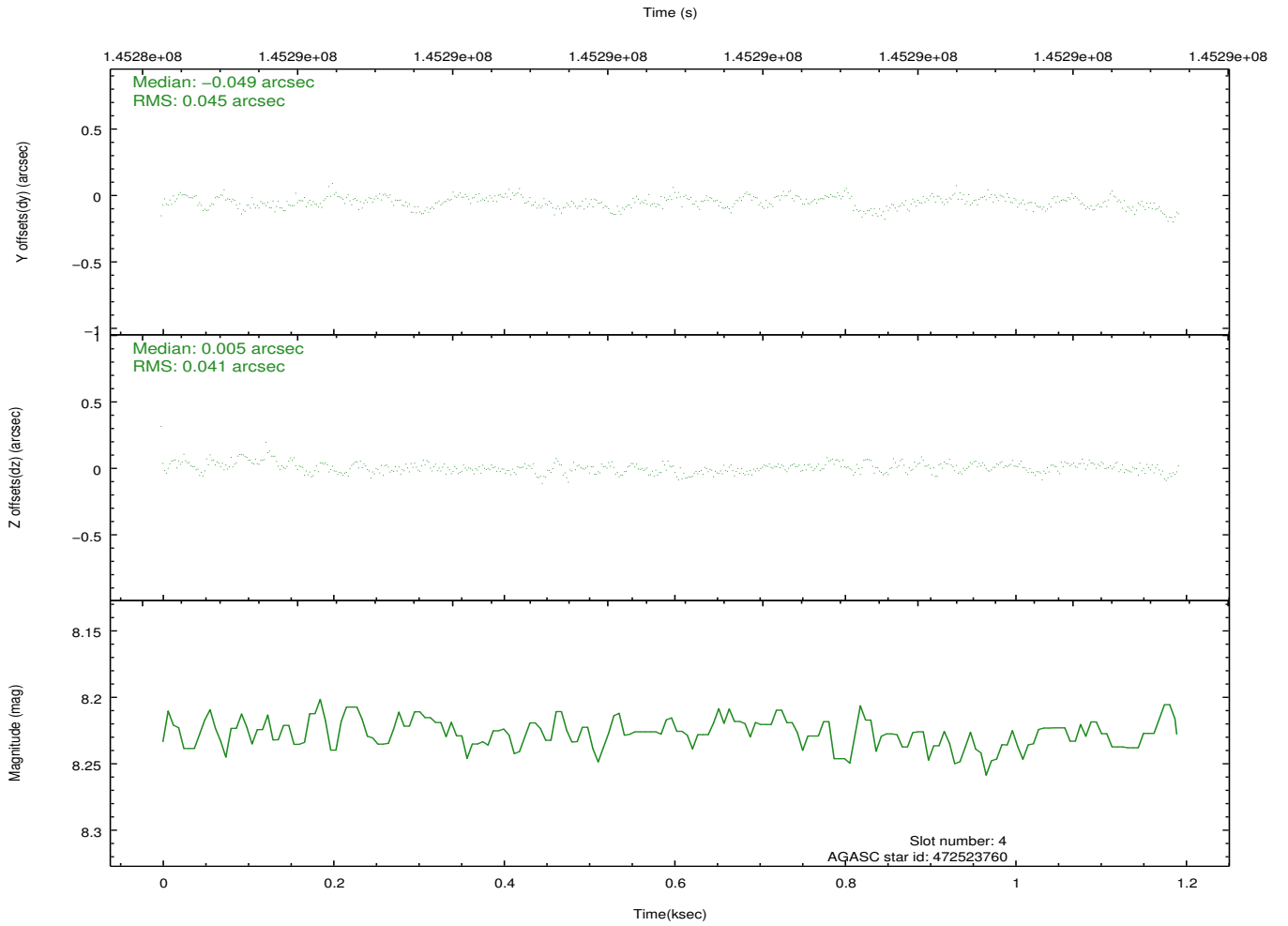
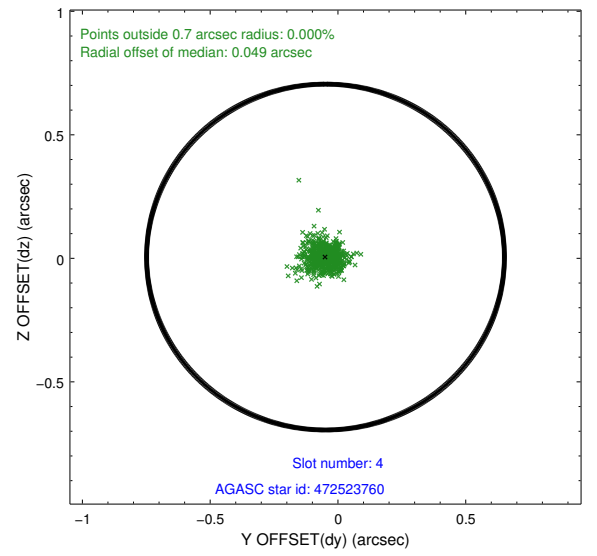
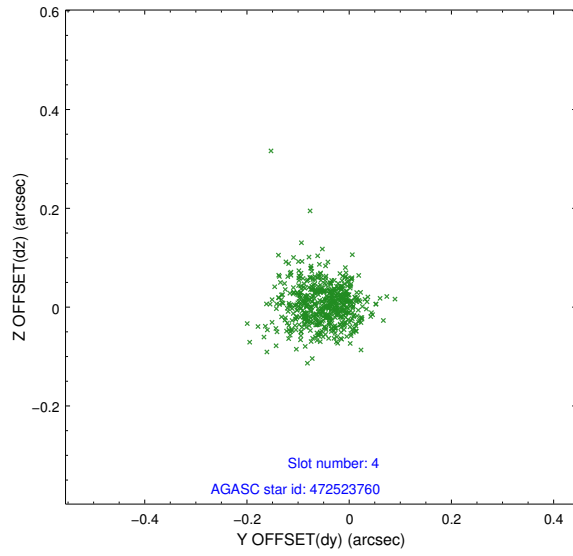
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-S-1	7.01	292	0.153	-0.113	0.005	0.016	0.000000	0.000000	-1157.11	-456.13
1	FID	HRC-S-2	7.01	292	0.091	-0.118	0.009	0.018	0.000000	0.000000	1238.55	-450.30
2	FID	HRC-S-4	6.96	292	0.160	-0.073	0.009	0.015	0.000000	0.000000	1245.38	574.49
3	GUIDE	472525528	6.62	583	-0.142	-0.210	0.065	0.103	331.551102	45.248694	1394.60	2041.08
4	GUIDE	472523760	8.23	583	-0.049	0.005	0.062	0.106	331.645363	45.403260	1298.27	1447.49
5	GUIDE	472665256	9.01	583	0.076	0.255	0.079	0.135	332.808125	46.195041	-827.84	-2034.84
6	GUIDE	472659832	9.46	583	0.080	0.146	0.096	0.159	332.780399	46.098139	-852.94	-1685.92
7	GUIDE	472654568	9.45	581	0.032	-0.186	0.110	0.178	332.194449	45.063576	-352.74	2289.29

2.4 Star Slots

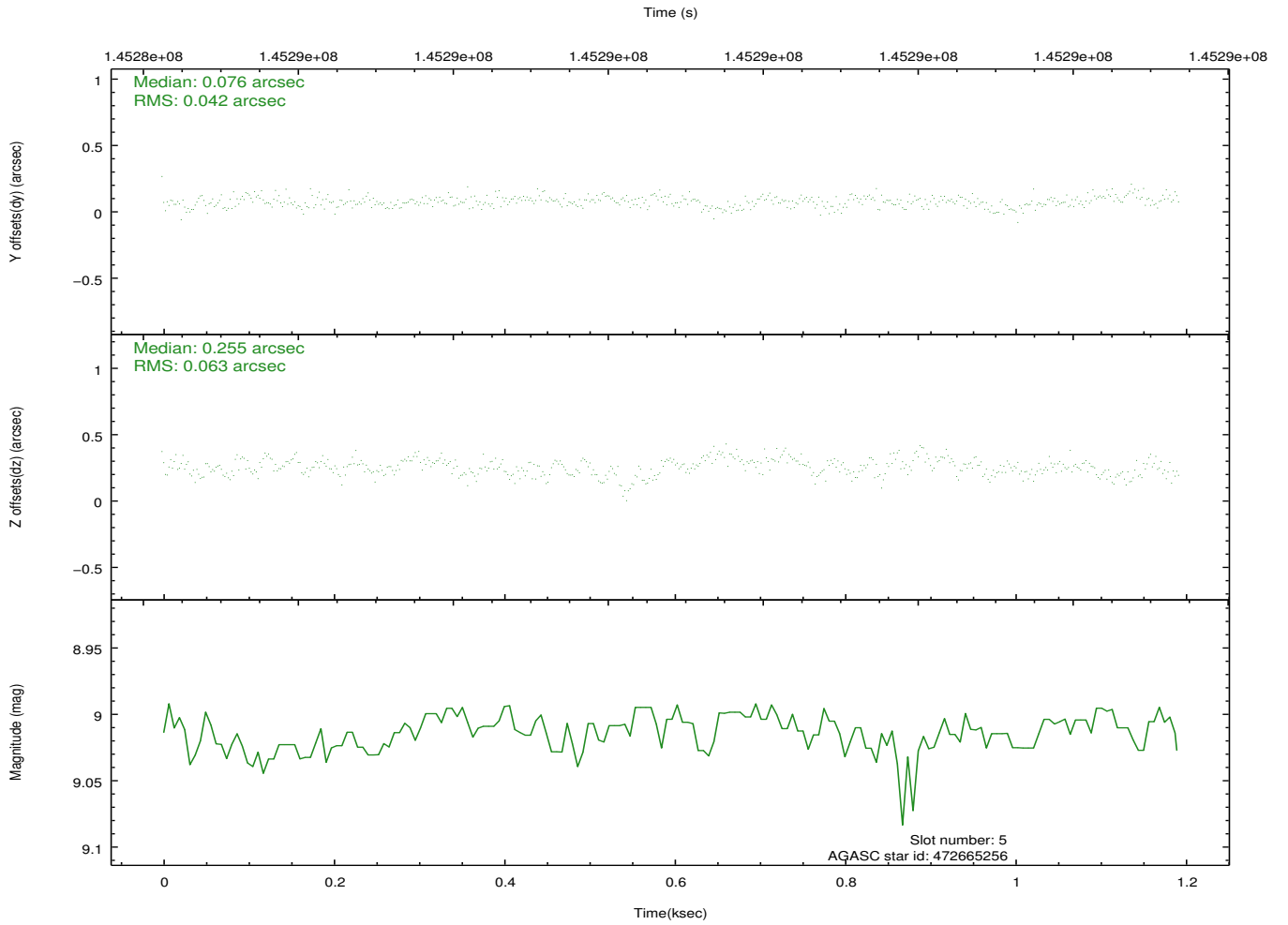
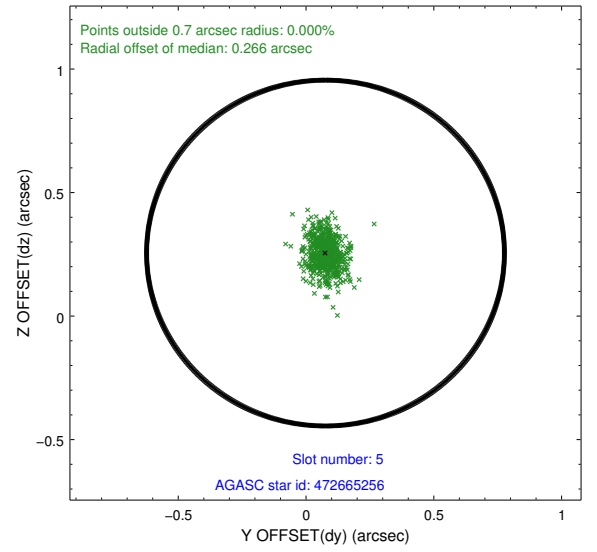
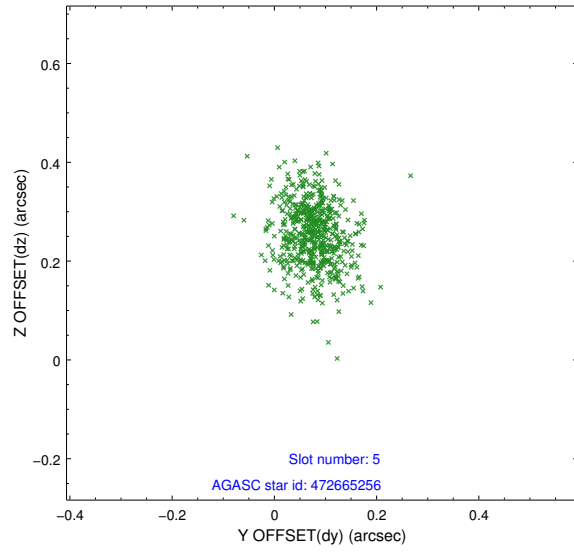
2.4.1 Slot 3



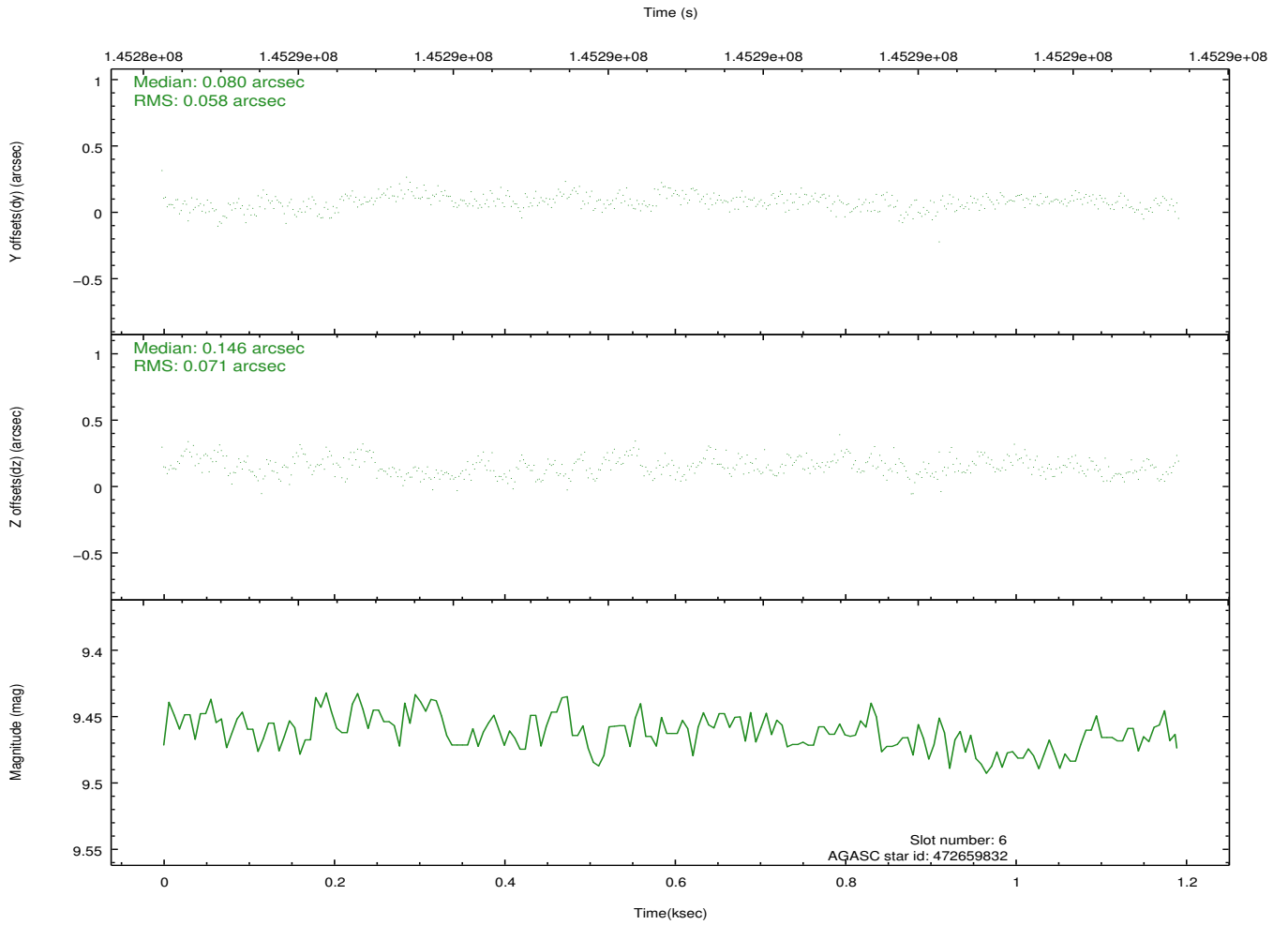
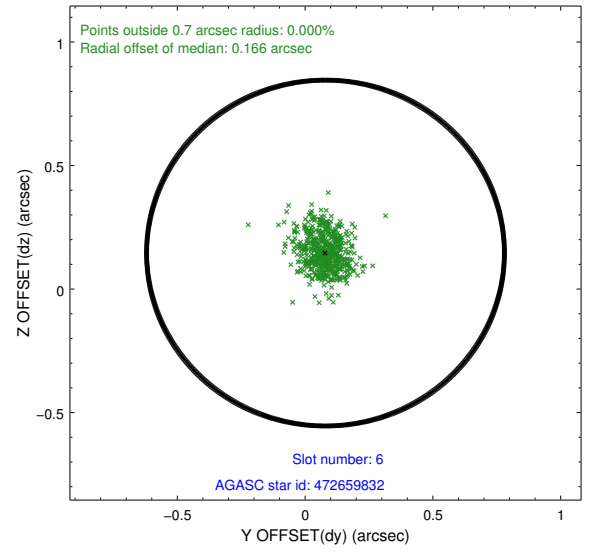
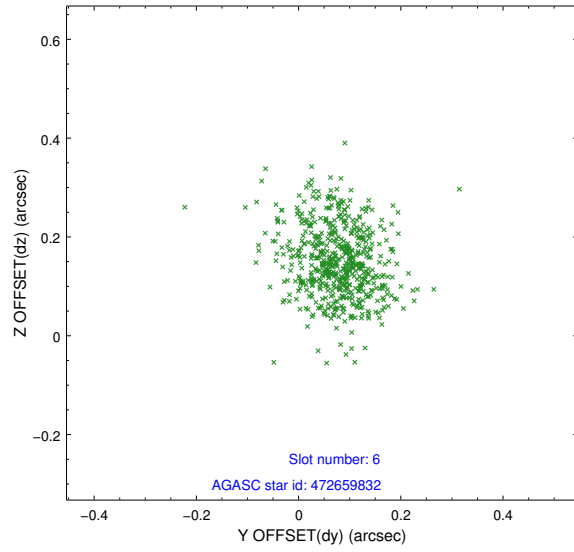
2.4.2 Slot 4



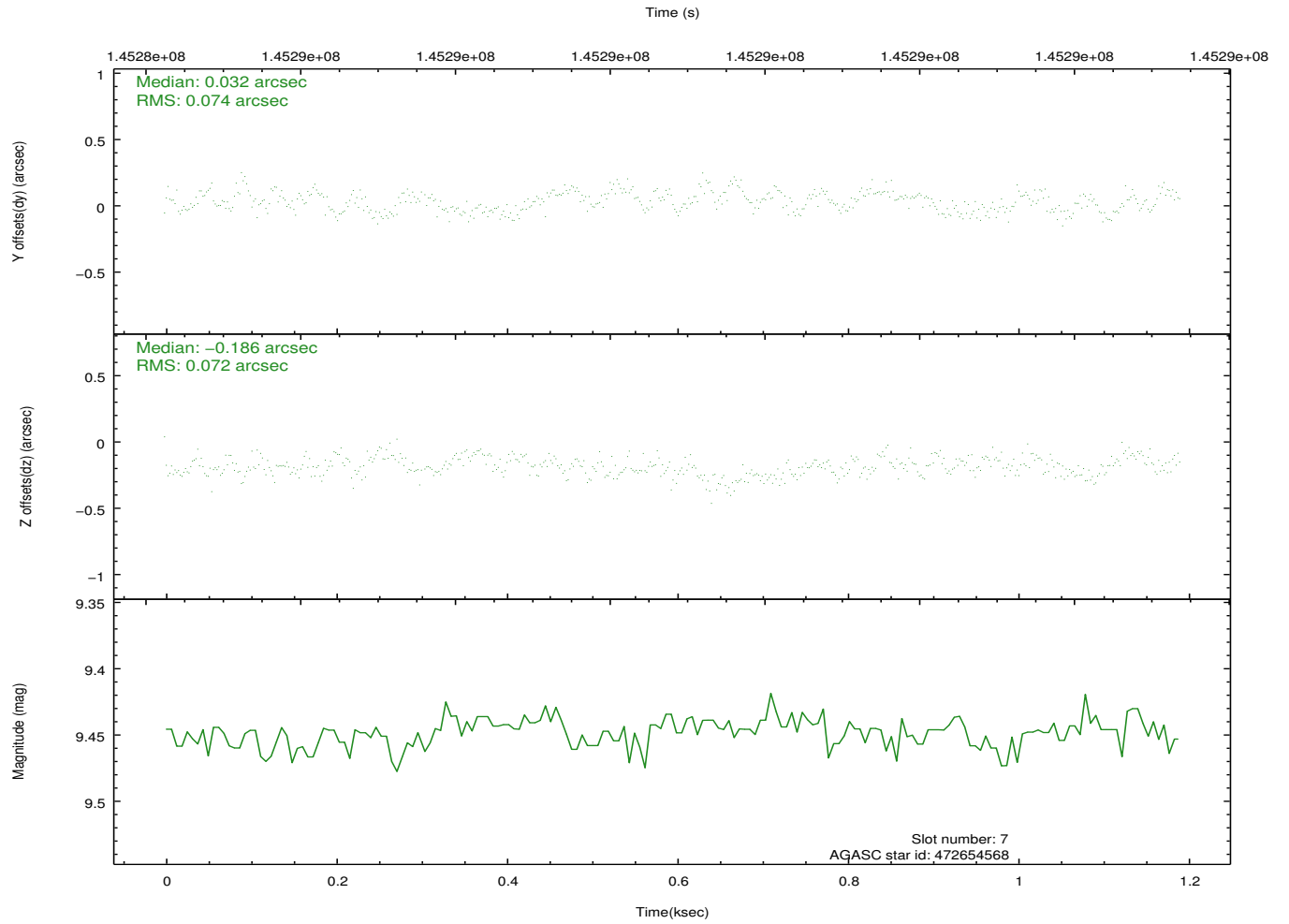
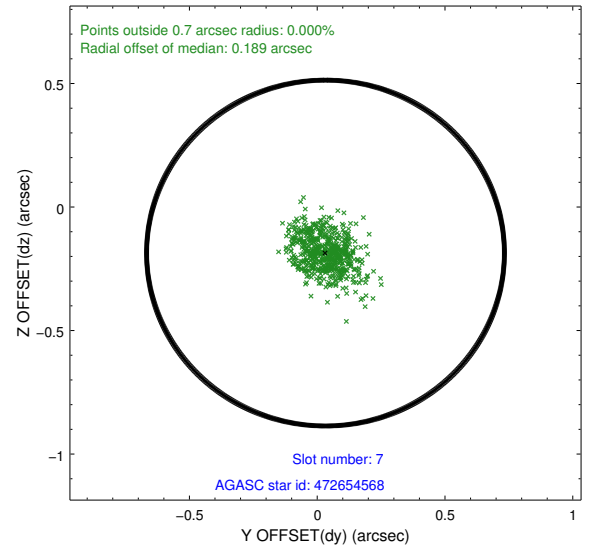
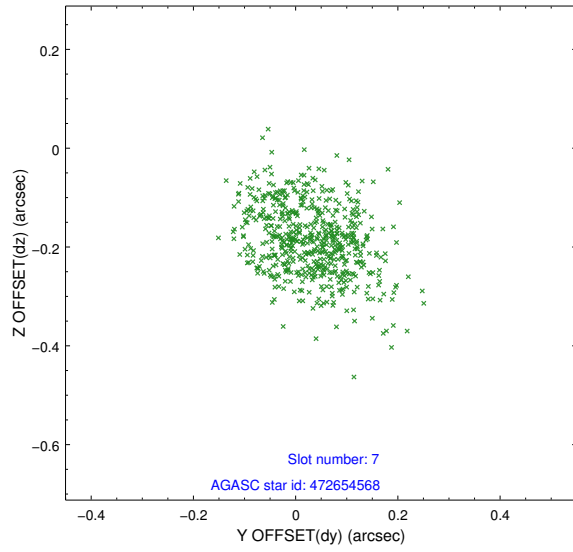
2.4.3 Slot 5



2.4.4 Slot 6

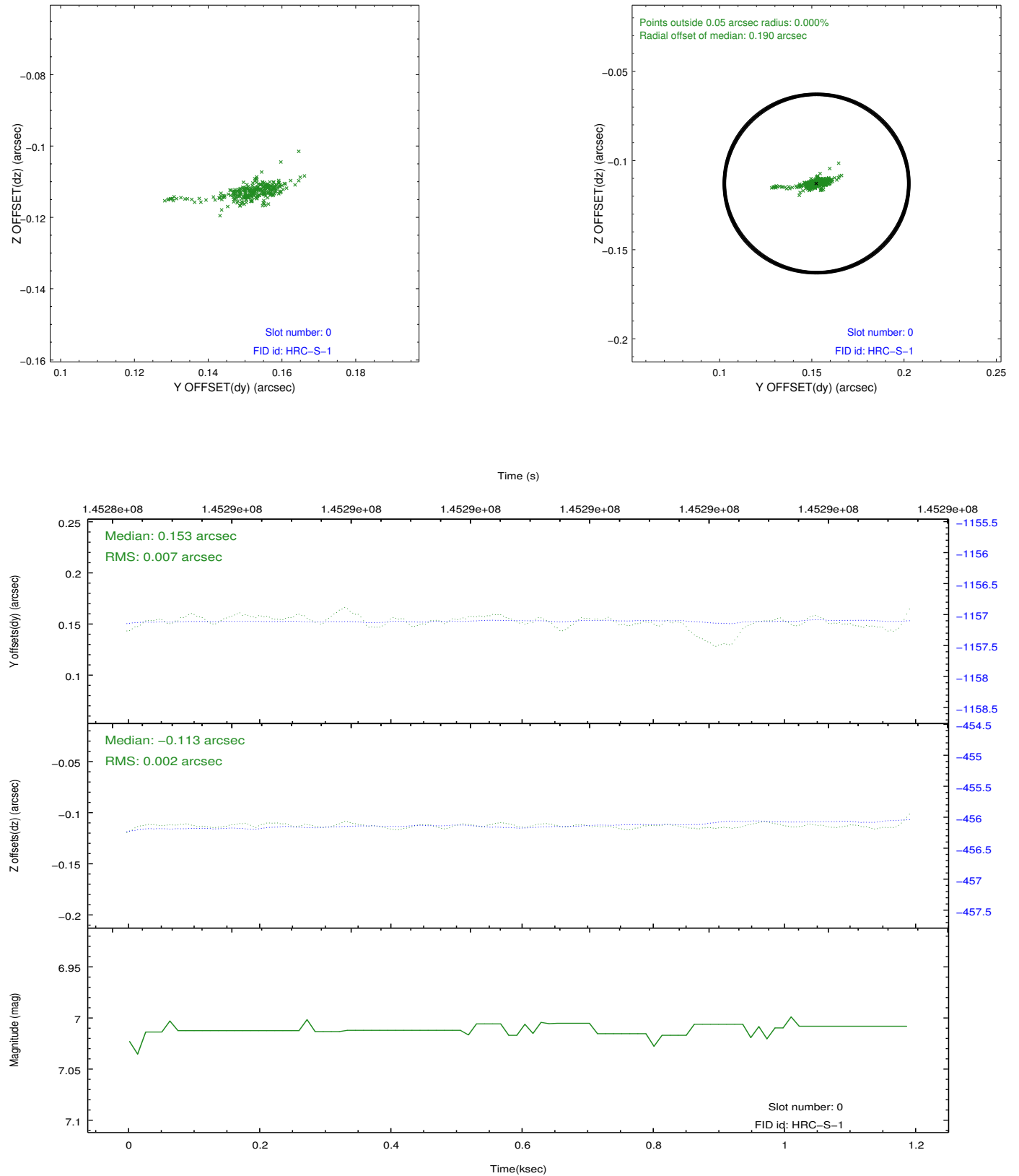


2.4.5 Slot 7

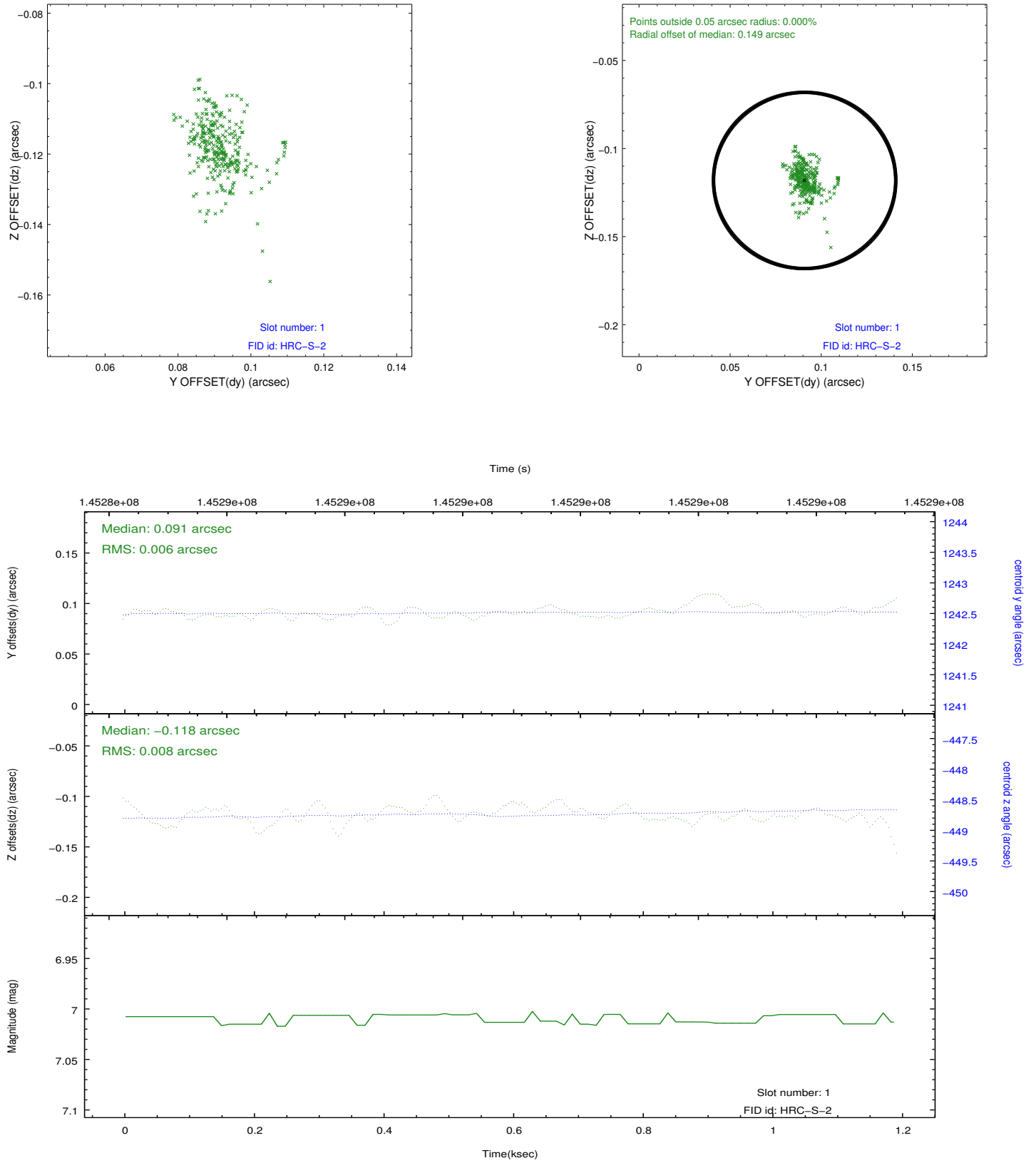


2.5 FID Slots

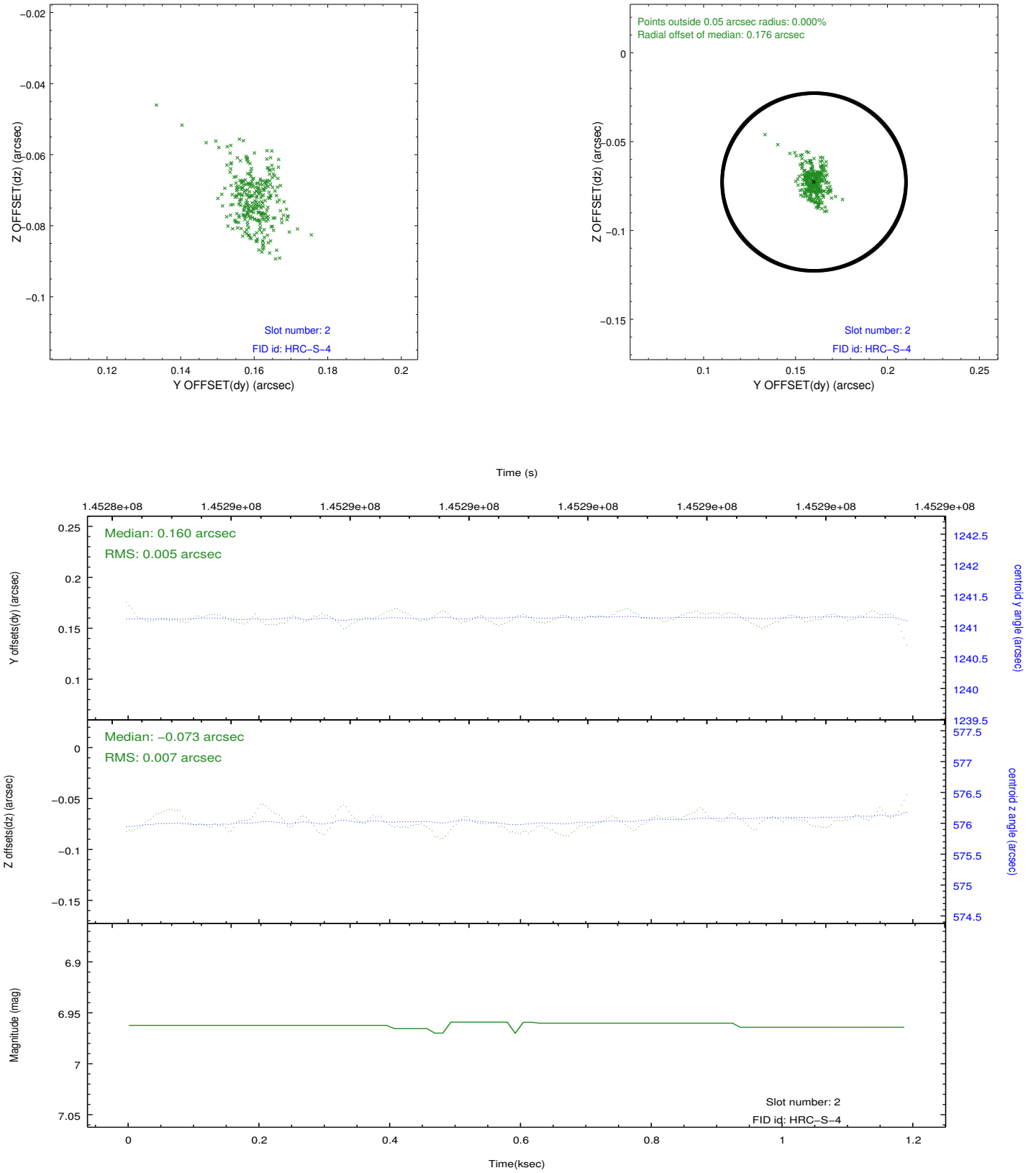
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.10.22
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.186

A.2 Comments

Charge time for this observation remains at previous value of 1.186 ksec.