

V&V Reference Report

L2 ASCDS Version : 8.5

Observation 5060 - L2 Version 4
Chandra X-Ray Center

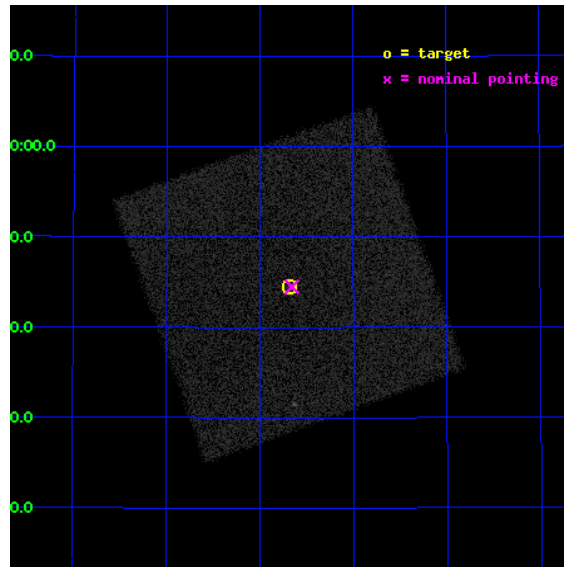
L2 Processing Date : Dec 8 2012

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

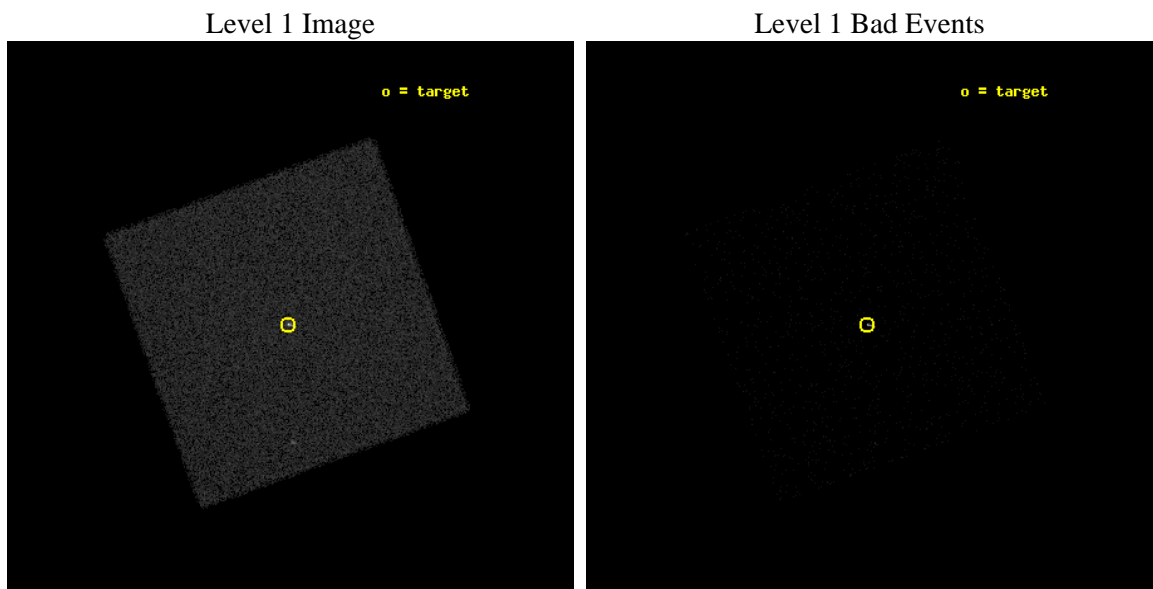
seq_num	290333	Sequence number
obs_id	5060	Observation id
title	AO5 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.16462257826	Nominal RA [deg]
dec_nom	45.741759286533	Nominal Dec [deg]
roll_nom	205.21952176064	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1147.2313012183	[s]
livetime	1136.3270125886	Ontime multiplied by DTCOR
l2events	70419	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	8.5	Processing system revision	ontime	1147.2313012183	[s]
caldbver	4.5.4	 	l1events	212258	Number of level 1 events
date	2012-12-08T23:59:14	Date and time of file creation			
revision	4	Processing version of data			

2.1.3 Events

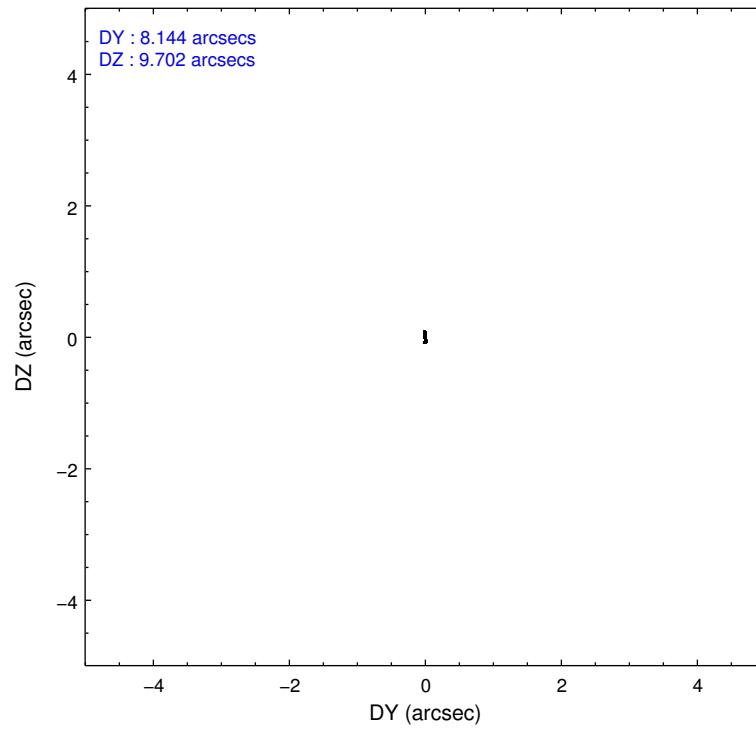
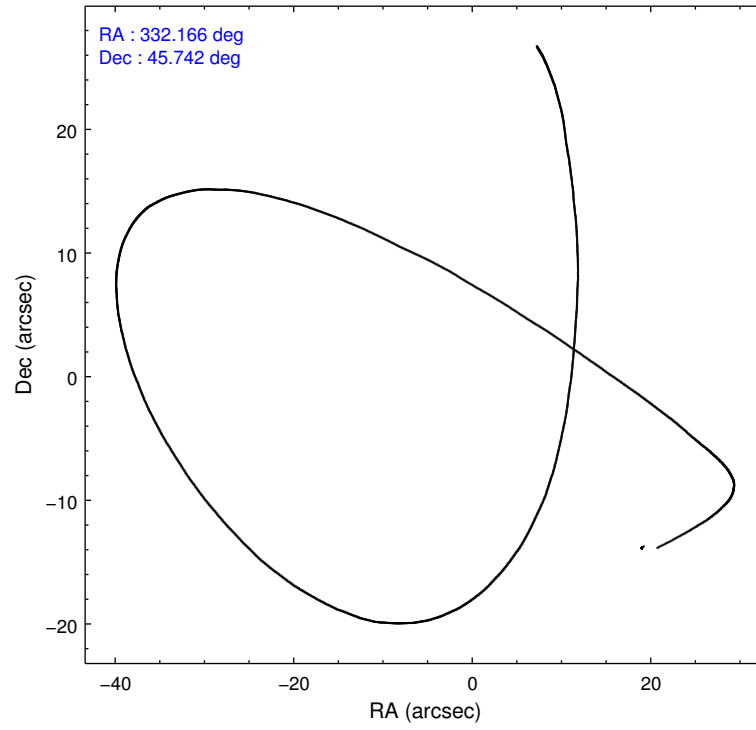
Level 1 Events

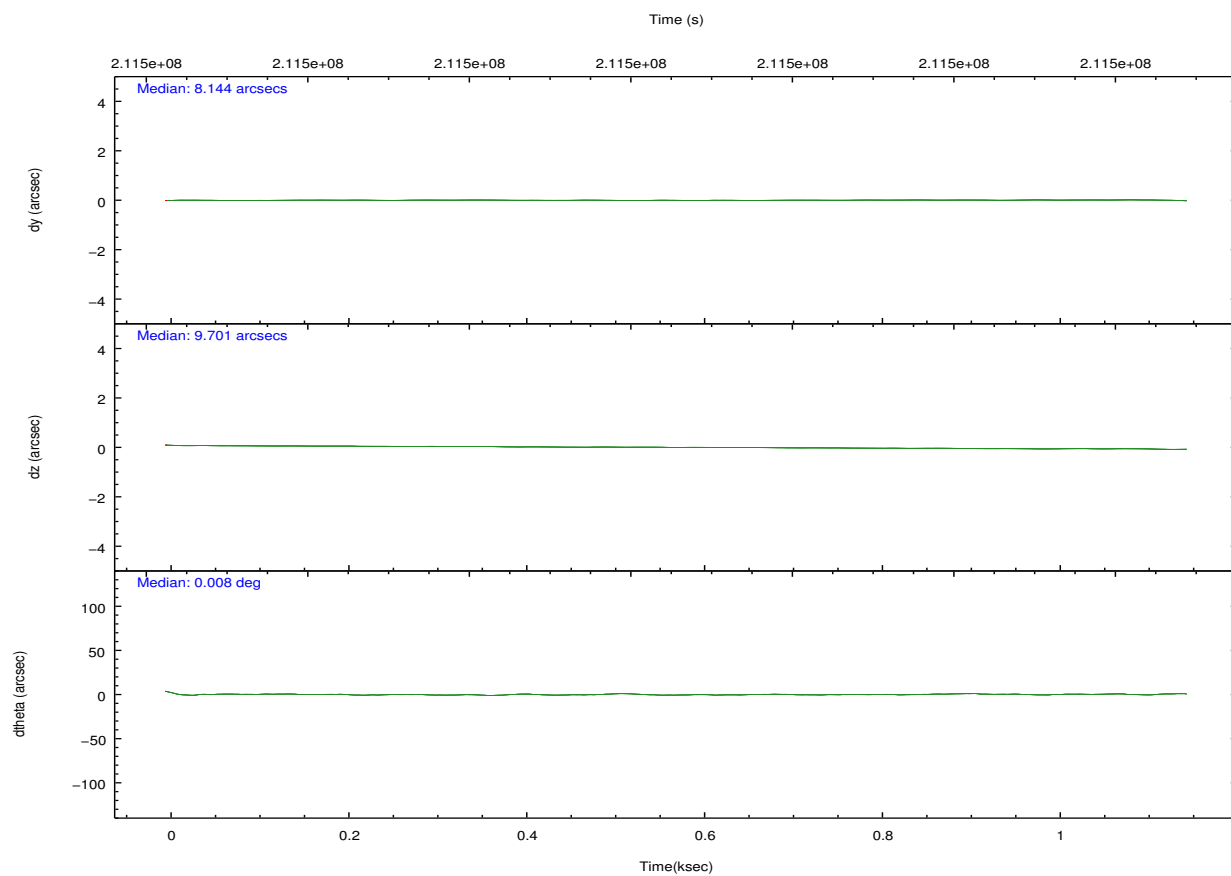
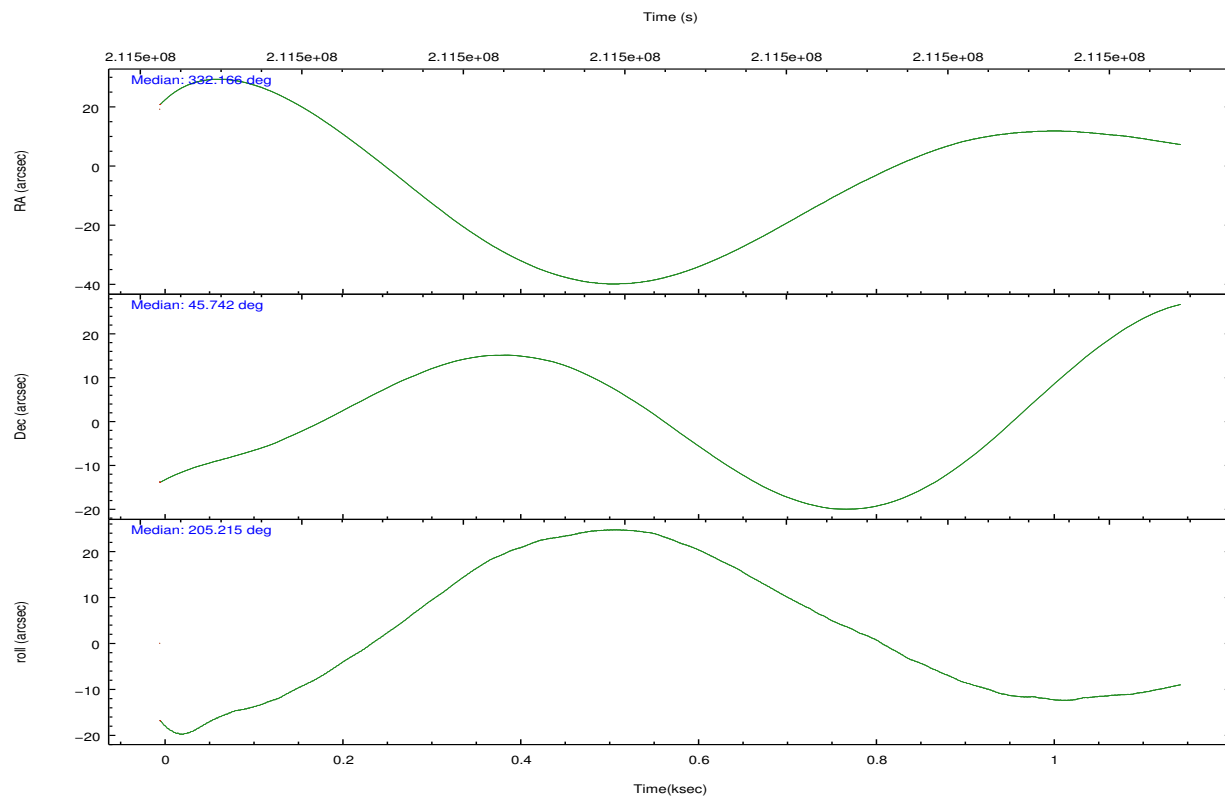
	segment 0
level 1 events	212258
rejected events	106602
rejected %	50%

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	332.185454	332.1646225782617			
[deg] Pointing Dec	45.764739	45.74175928653327			
[deg] Pointing Roll	205.300100	205.219521760638			
[s] Window start time (MET)	210384064.184000	210384064.184000			
[s] Window stop time (MET)	212889664.184000	212889664.184000			
[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)	211495229.184000	211493998.12656			
Observation start date	2004-09-13T20:39:25	2004-09-13T20:19:58			
[s] Observation end time (MET)	211496229.184000	211496380.22666			
Observation end date	2004-09-13T20:56:05	2004-09-13T20:59:40			

2.3 Aspect



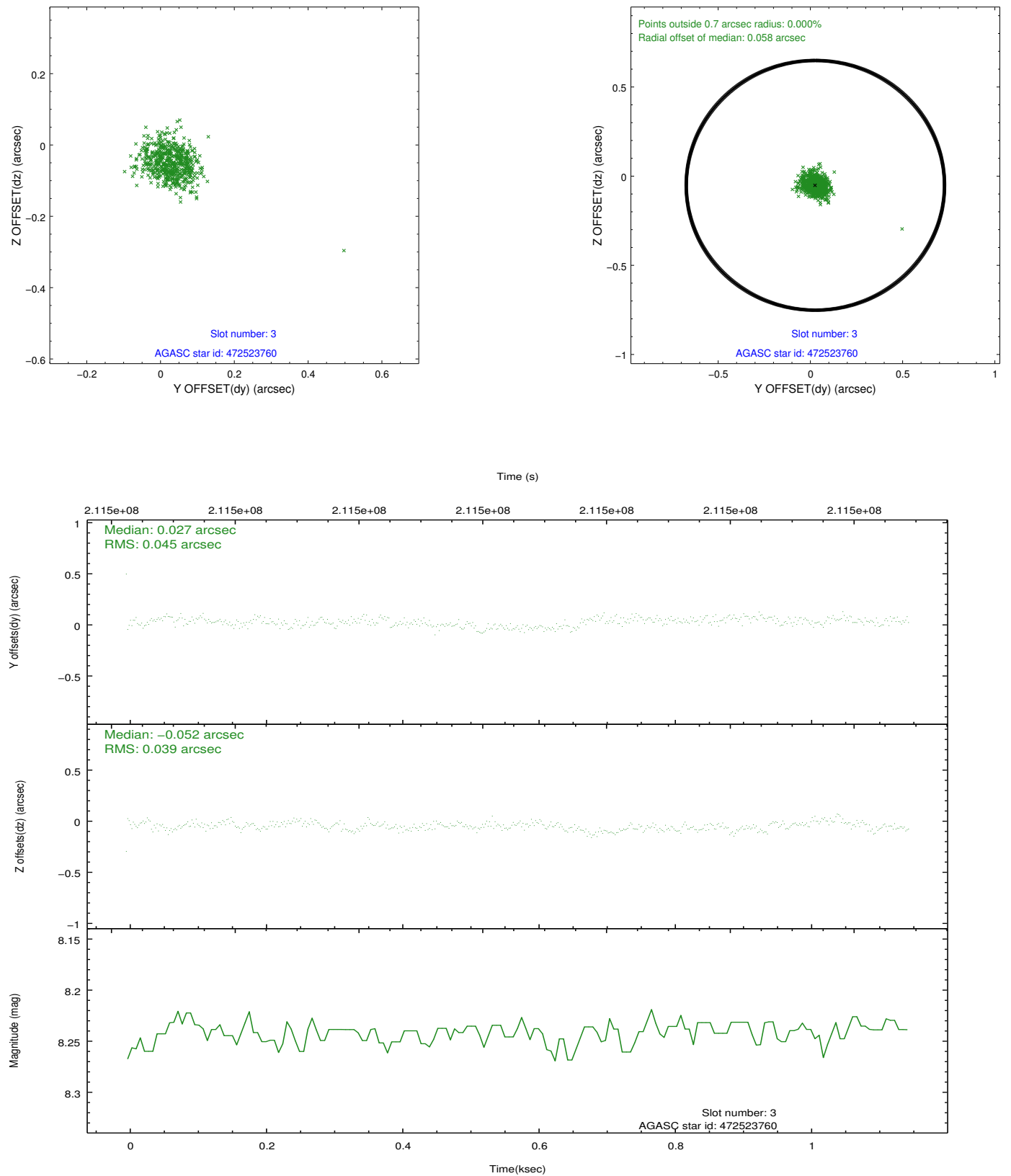


Slot Statistics

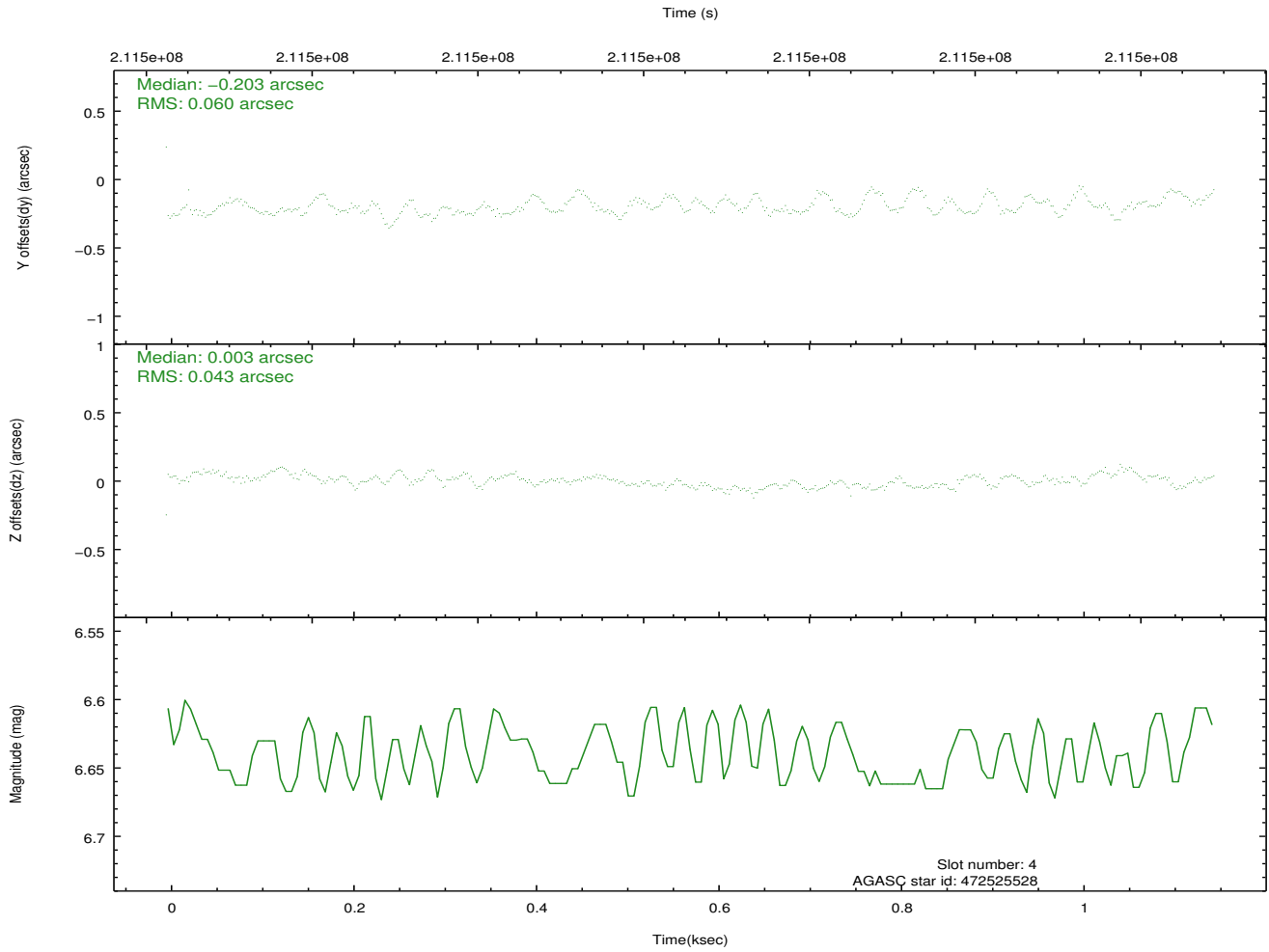
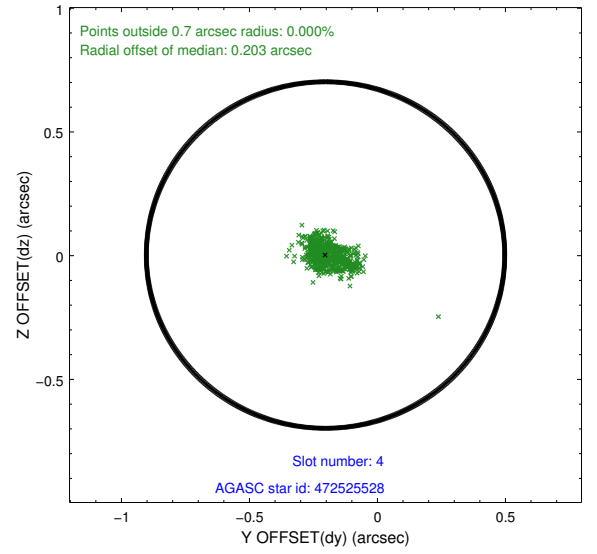
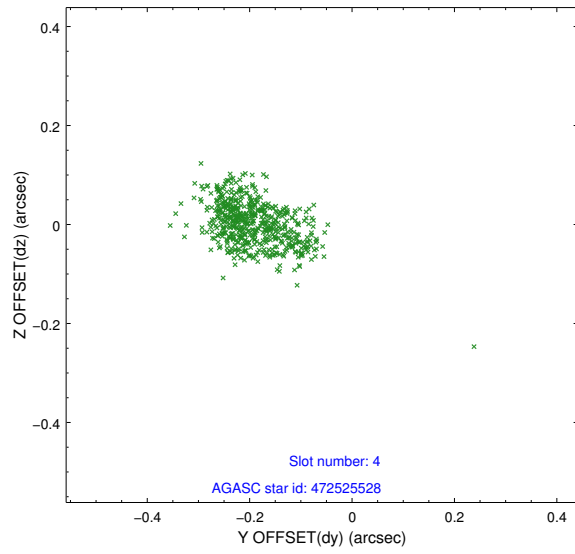
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	HRC-I-1	7.04	281	-0.037	0.033	0.006	0.012	0.000000	0.000000	-763.79	-1297.60
1	FID	HRC-I-2	7.08	281	0.156	-0.089	0.006	0.010	0.000000	0.000000	846.32	-1303.90
2	FID	HRC-I-3	7.14	280	0.000	-0.034	0.006	0.010	0.000000	0.000000	-1189.23	1002.24
3	GUIDE	472523760	8.24	561	0.027	-0.052	0.058	0.096	331.645363	45.403260	1789.47	587.38
4	GUIDE	472525528	6.64	561	-0.203	0.003	0.074	0.126	331.551102	45.248694	2248.78	986.31
5	GUIDE	472659832	9.46	560	0.036	0.099	0.106	0.199	332.780399	46.098139	-1852.85	-455.33
6	GUIDE	472533912	9.17	561	0.099	0.014	0.114	0.188	331.791136	46.368695	-46.62	-2388.94
7	GUIDE	472654568	9.43	560	0.035	-0.054	0.123	0.192	332.194449	45.063576	1058.92	2285.93

2.4 Star Slots

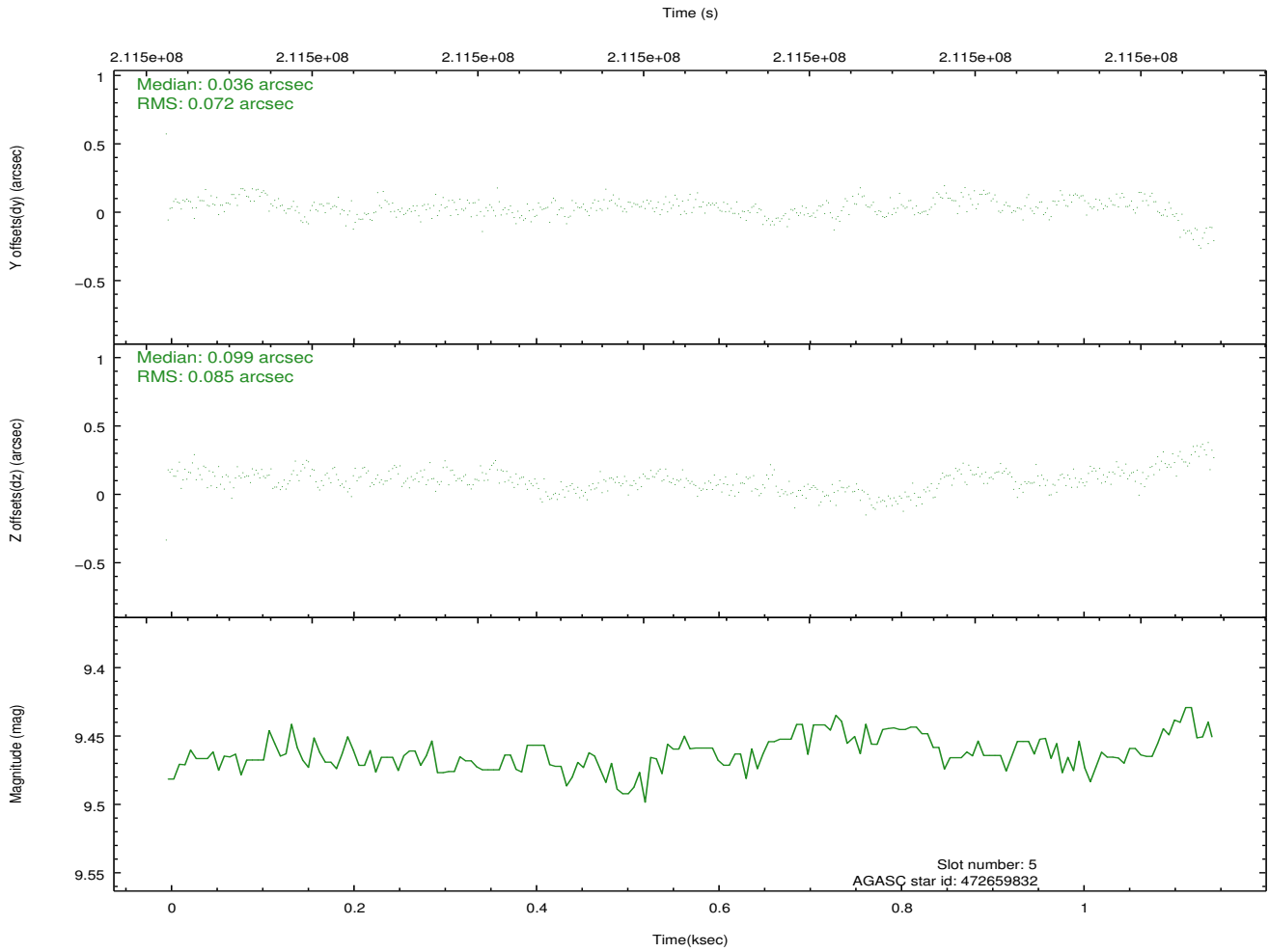
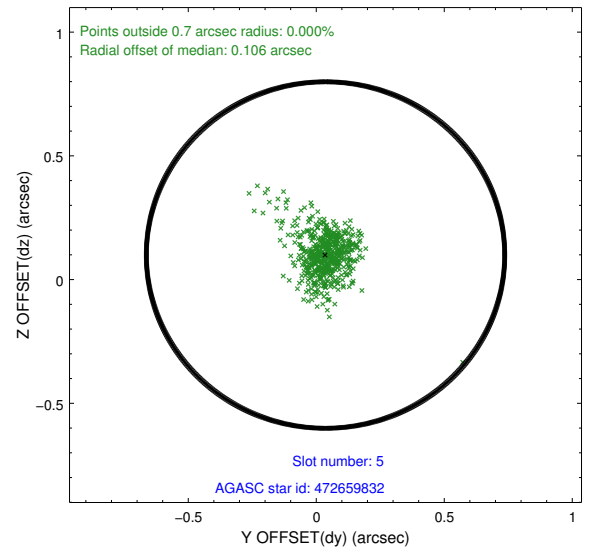
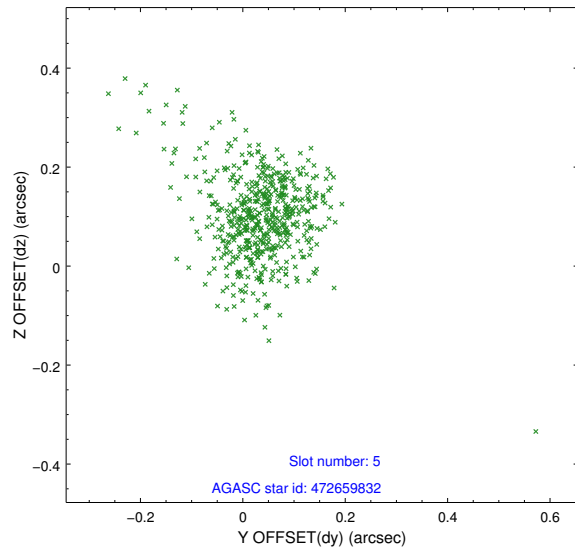
2.4.1 Slot 3



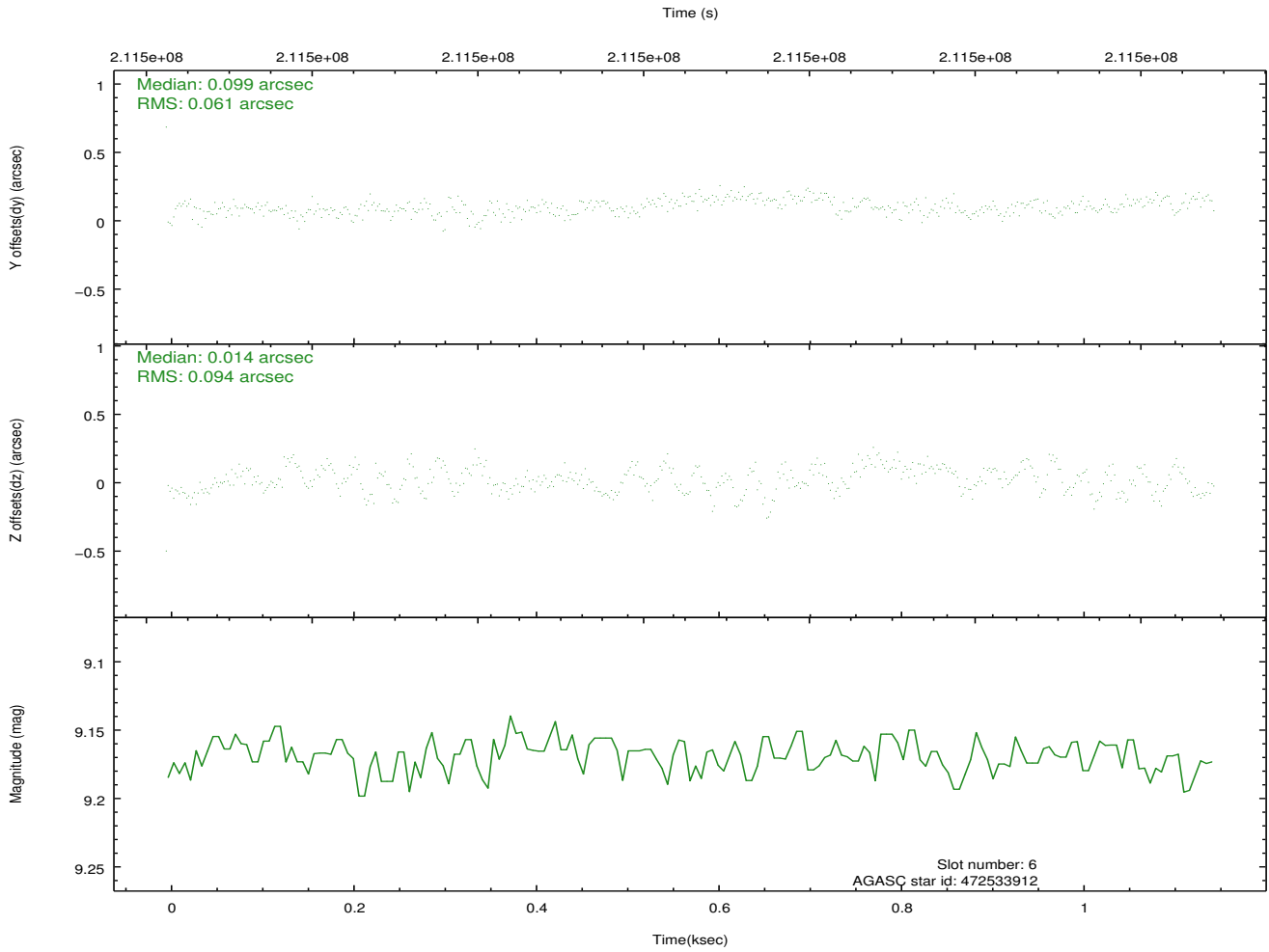
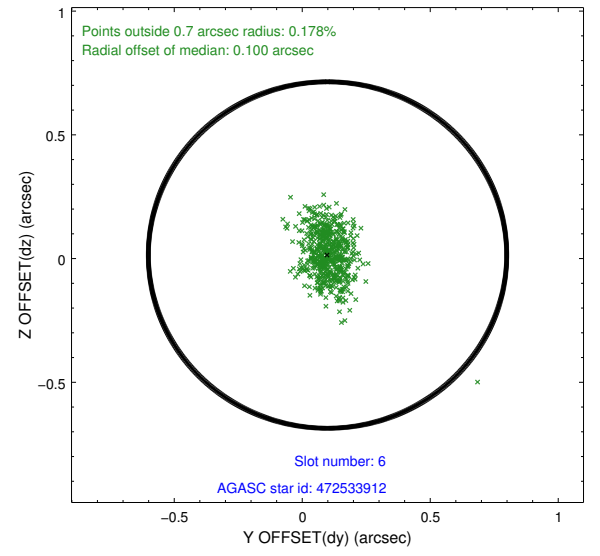
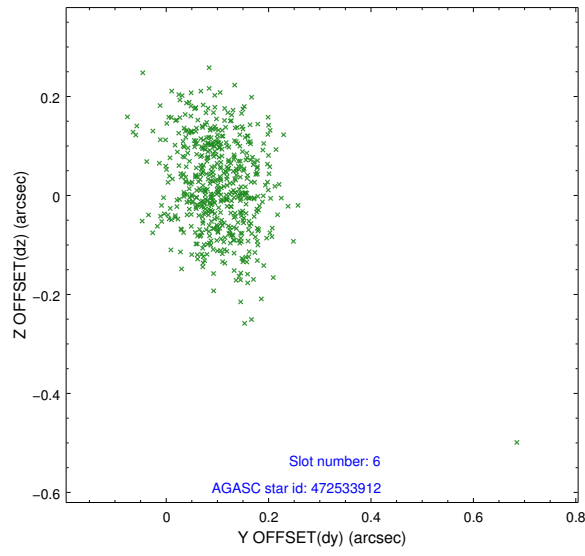
2.4.2 Slot 4



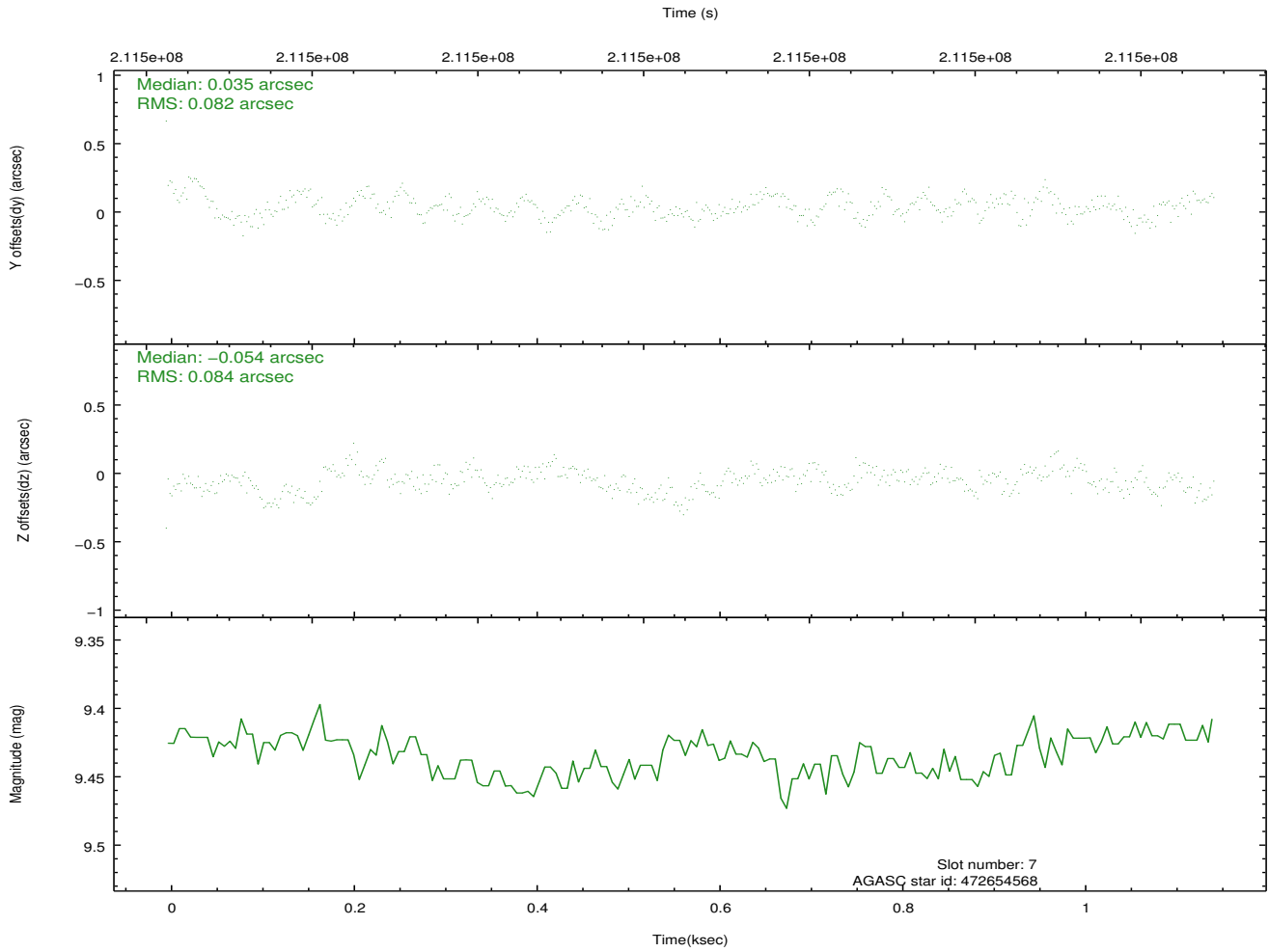
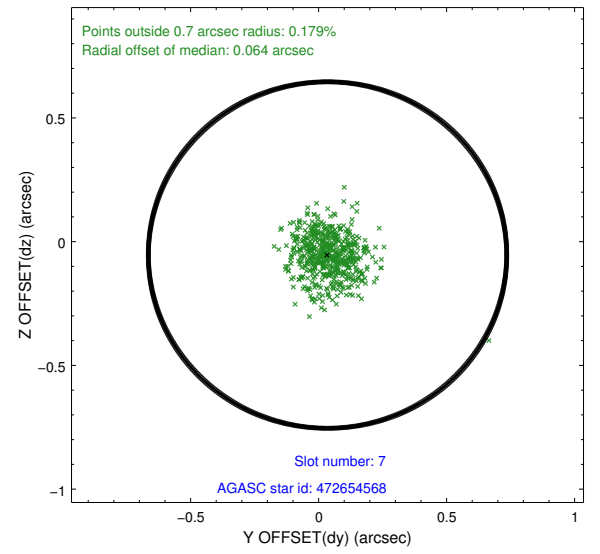
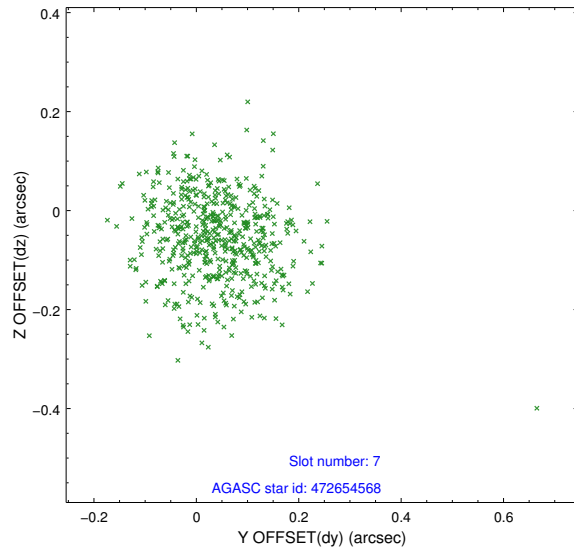
2.4.3 Slot 5



2.4.4 Slot 6

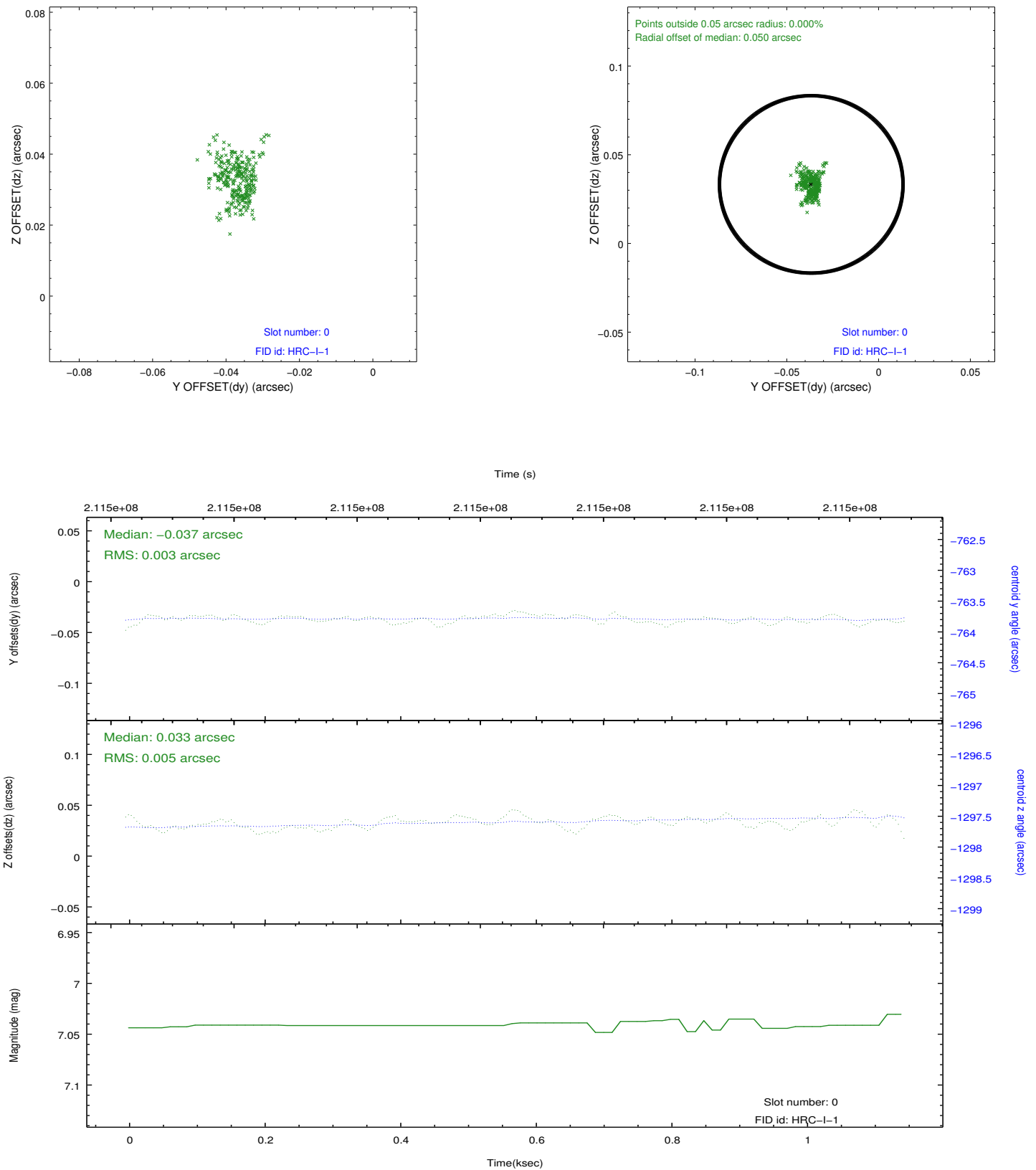


2.4.5 Slot 7

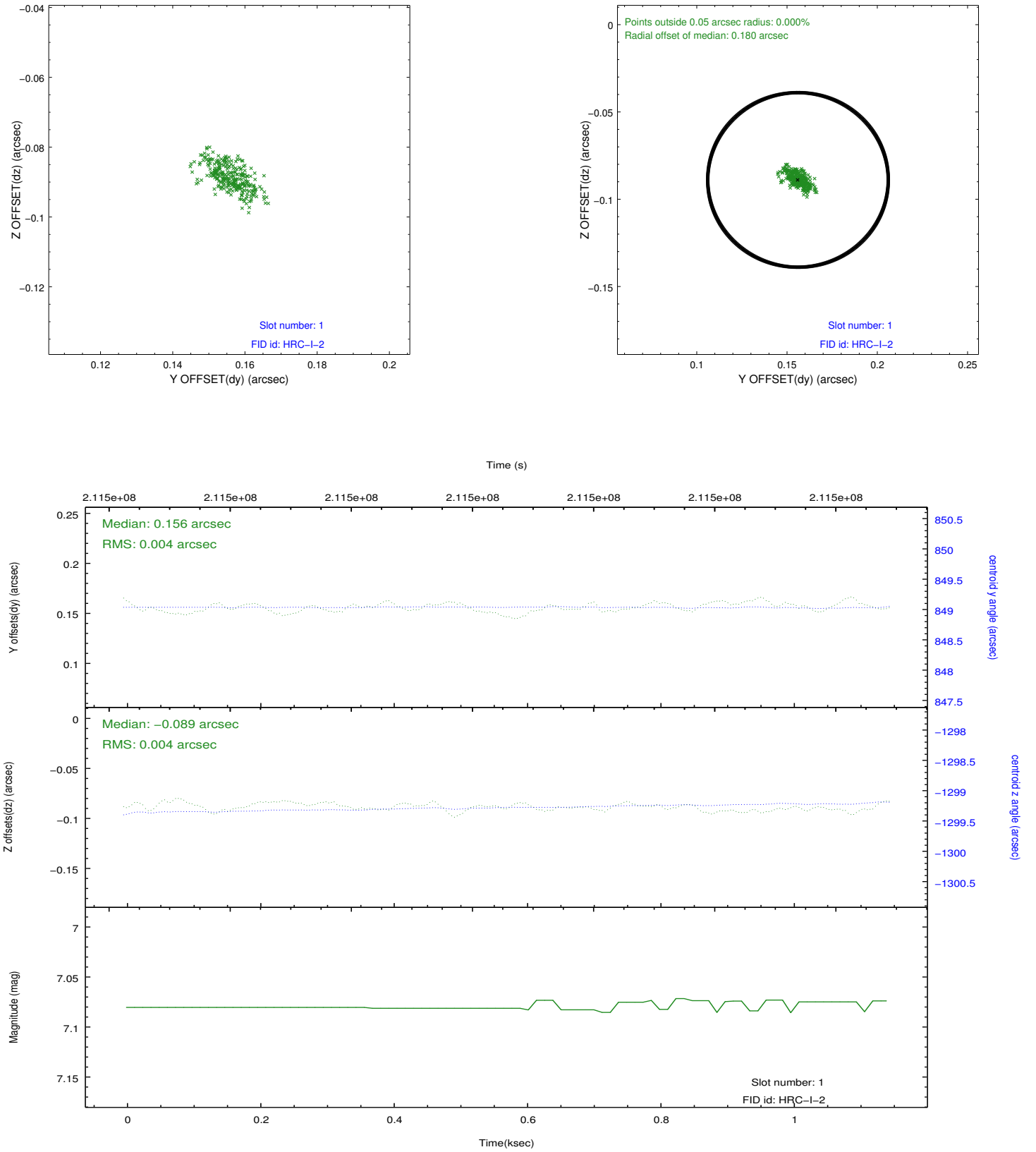


2.5 FID Slots

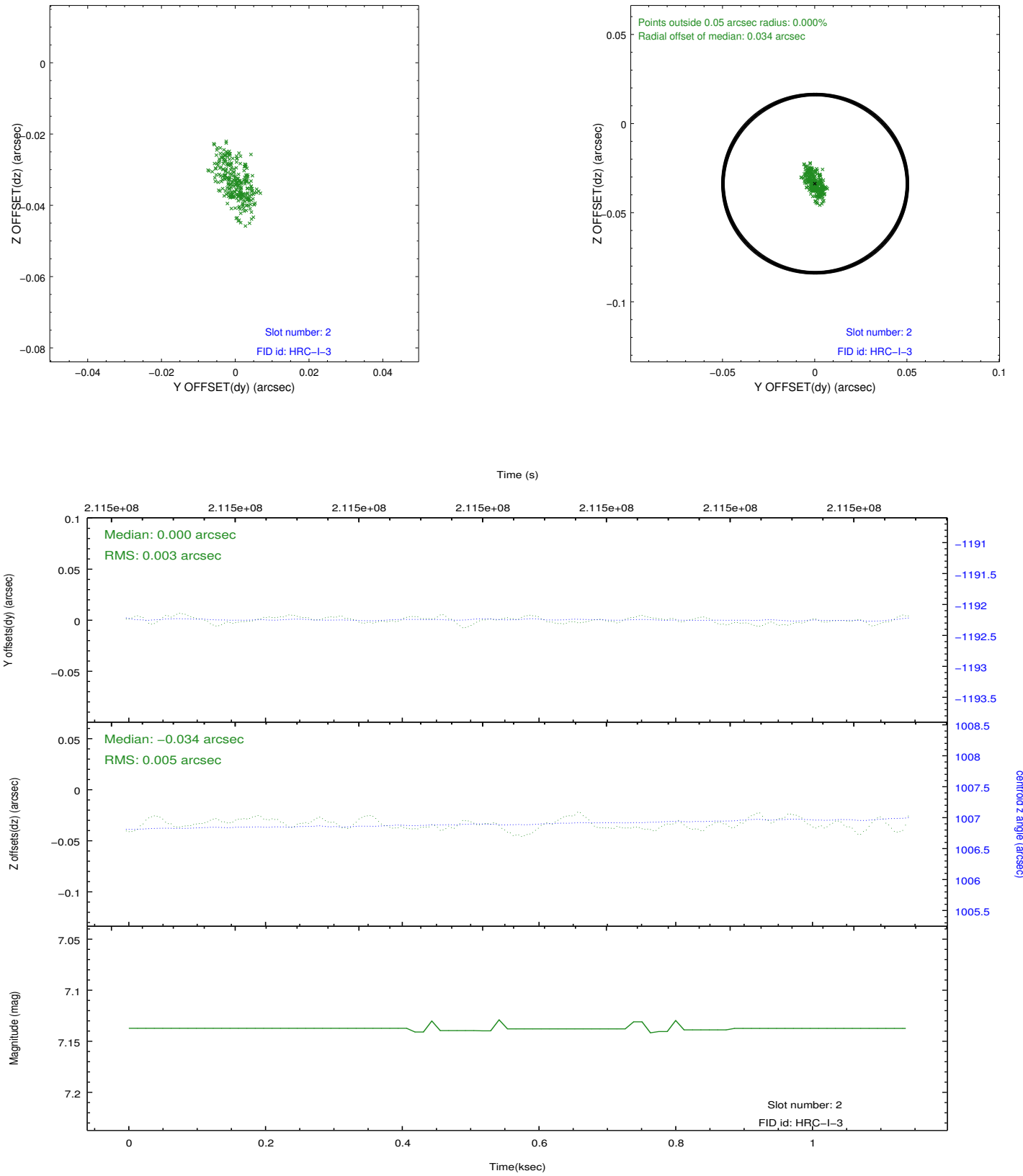
2.5.1 Slot 0



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)	2012.12.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.147

A.2 Comments

Window preference met.