

V&V Reference Report

L2 ASCDS Version : 10.4.3.1

Observation 18408 - L2 Version 1
Chandra X-Ray Center

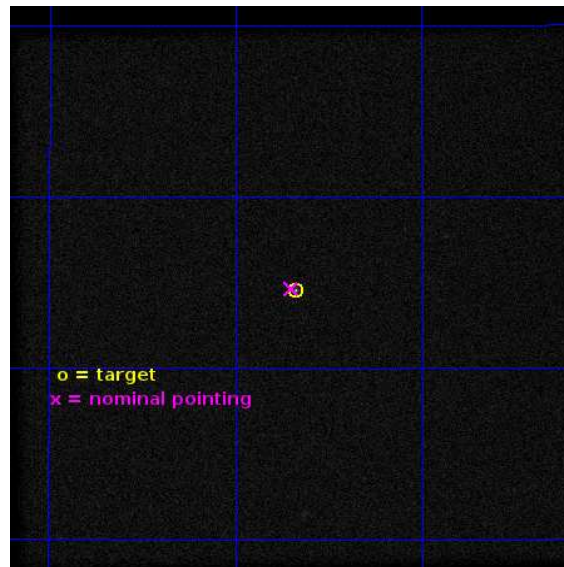
L2 Processing Date : Mar 27 2016

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1 Front

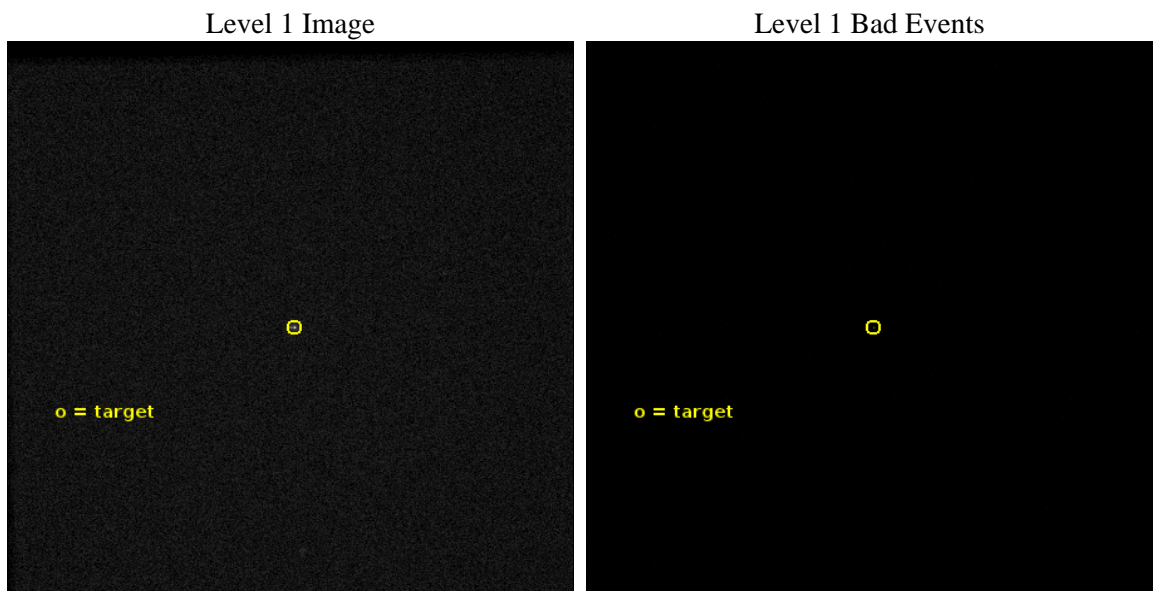
seq_num	291303	Sequence number
obs_id	18408	Observation id
title	AO-17 Calibration Observations to Monitor the Spatial Variations in the HRC-I Gain	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	ArLac	Source name
ra_targ	332.17	Observer's specified target RA [deg]
dec_targ	45.742306	Observer's specified target Dec [deg]
ra_nom	332.17523801128	Nominal RA [deg]
dec_nom	45.744018754335	Nominal Dec [deg]
roll_nom	44.219170594255	Nominal Roll [deg]
revision	1	Processing version of data
ontime	5185.731546402	[s]
livetime	5133.5475330242	Ontime multiplied by DTCOR
l2events	433982	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	5000.000000	[s] Scheduled observation exposure time
ascdsver	10.4.3.1	Processing system revision	ontime	5185.731546402	[s]
caldbver	4.7.1	 	l1events	623889	Number of level 1 events
date	2016-03-27T11:03:55	Date and time of file creation			
revision	1	Processing version of data			

2.1.3 Events

Level 1 Events

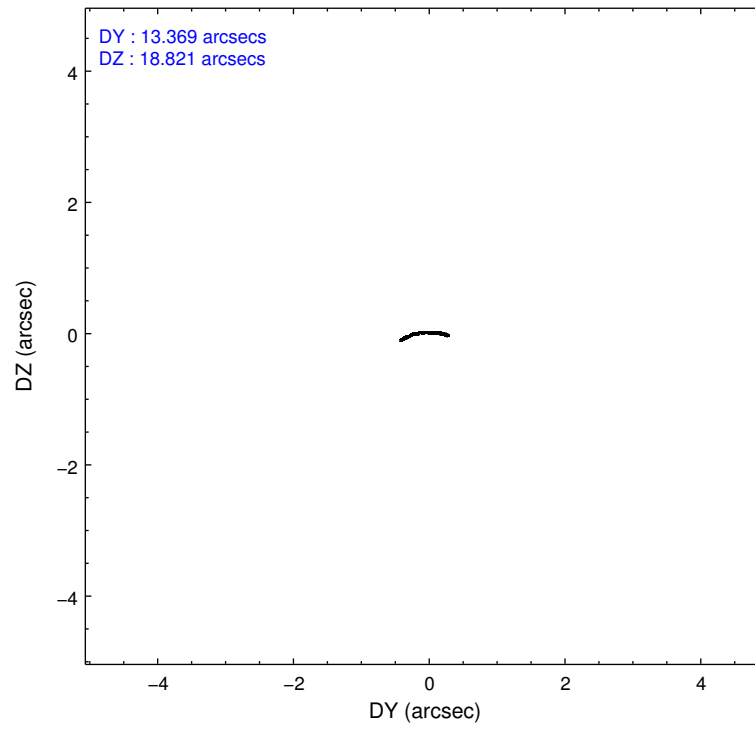
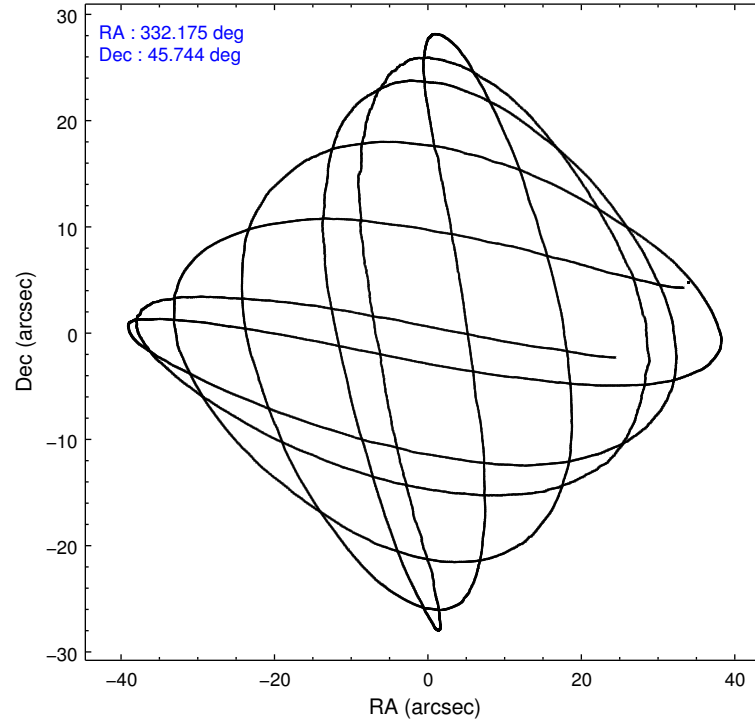
	segment 0
level 1 events	623889
rejected events	51146
rejected %	8%

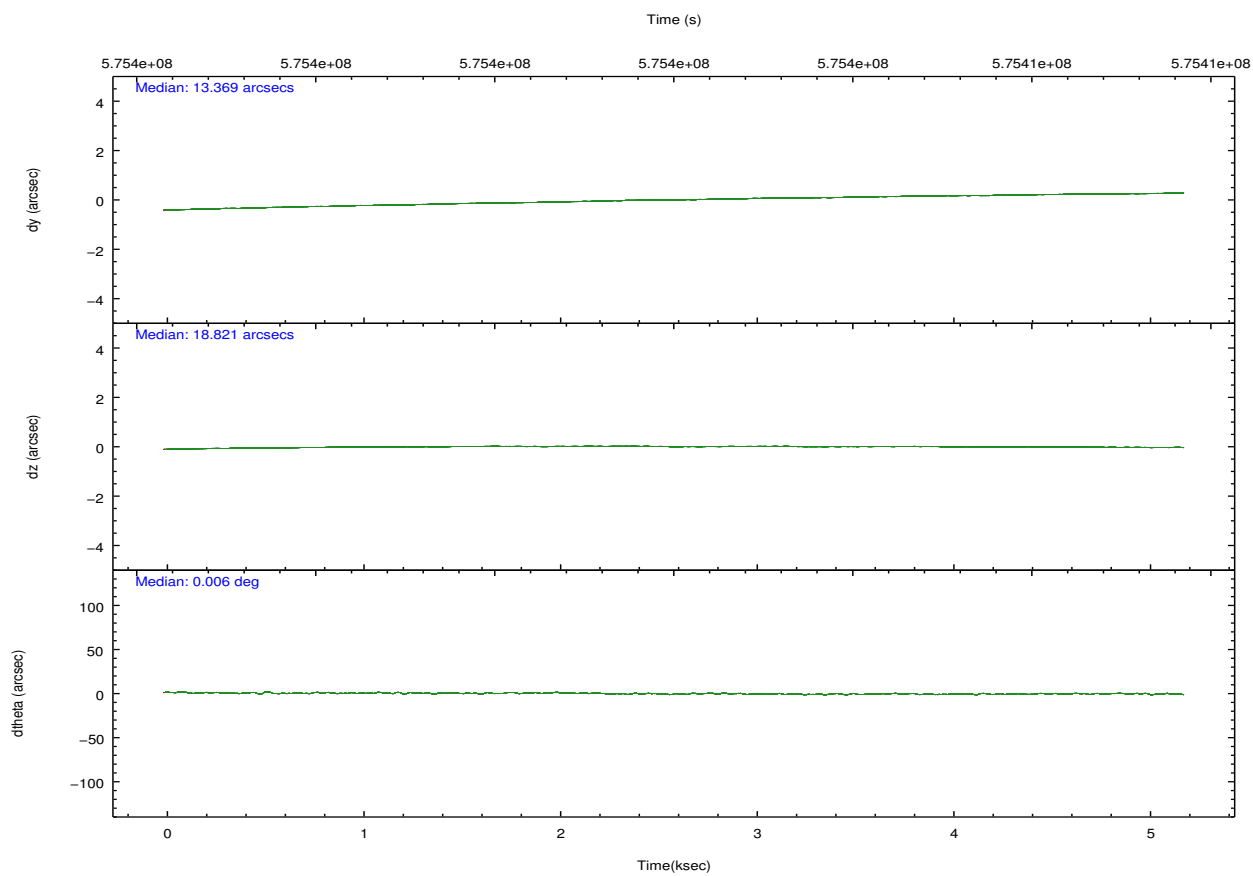
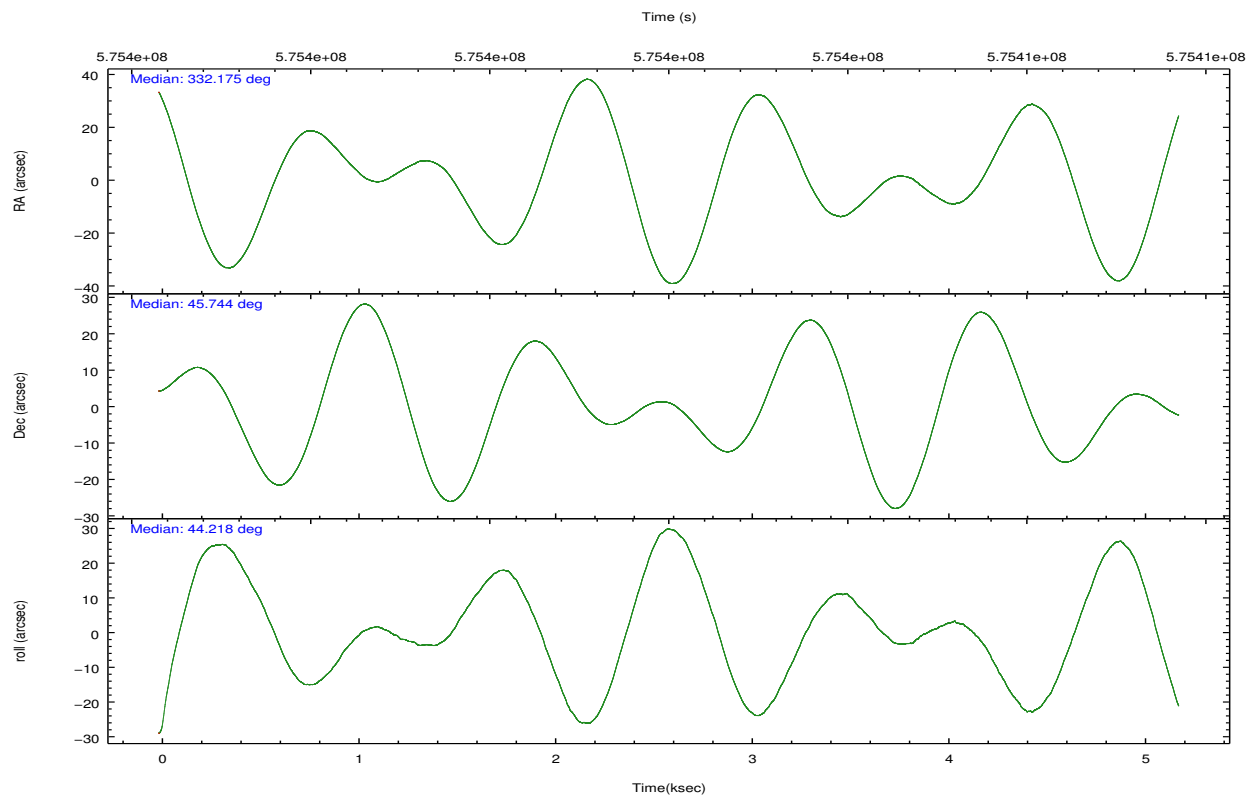
2.2 Compared Parameters

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	332.165864	332.1752380112783
[deg] Pointing Dec	45.717595	45.74401875433511
[deg] Pointing Roll	44.321401	44.2191705942553
[s] Window start time (MET)	570672068.184000	570672068.184000
[s] Window stop time (MET)	578361668.184000	578361668.184000
[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)	575401576.184000	575400825.9469399
Observation start date	2016-03-26T17:45:08	2016-03-26T17:33:45
[s] Observation end time (MET)	575406576.184000	575407520.73482
Observation end date	2016-03-26T19:08:28	2016-03-26T19:25:20

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

2.3 Aspect



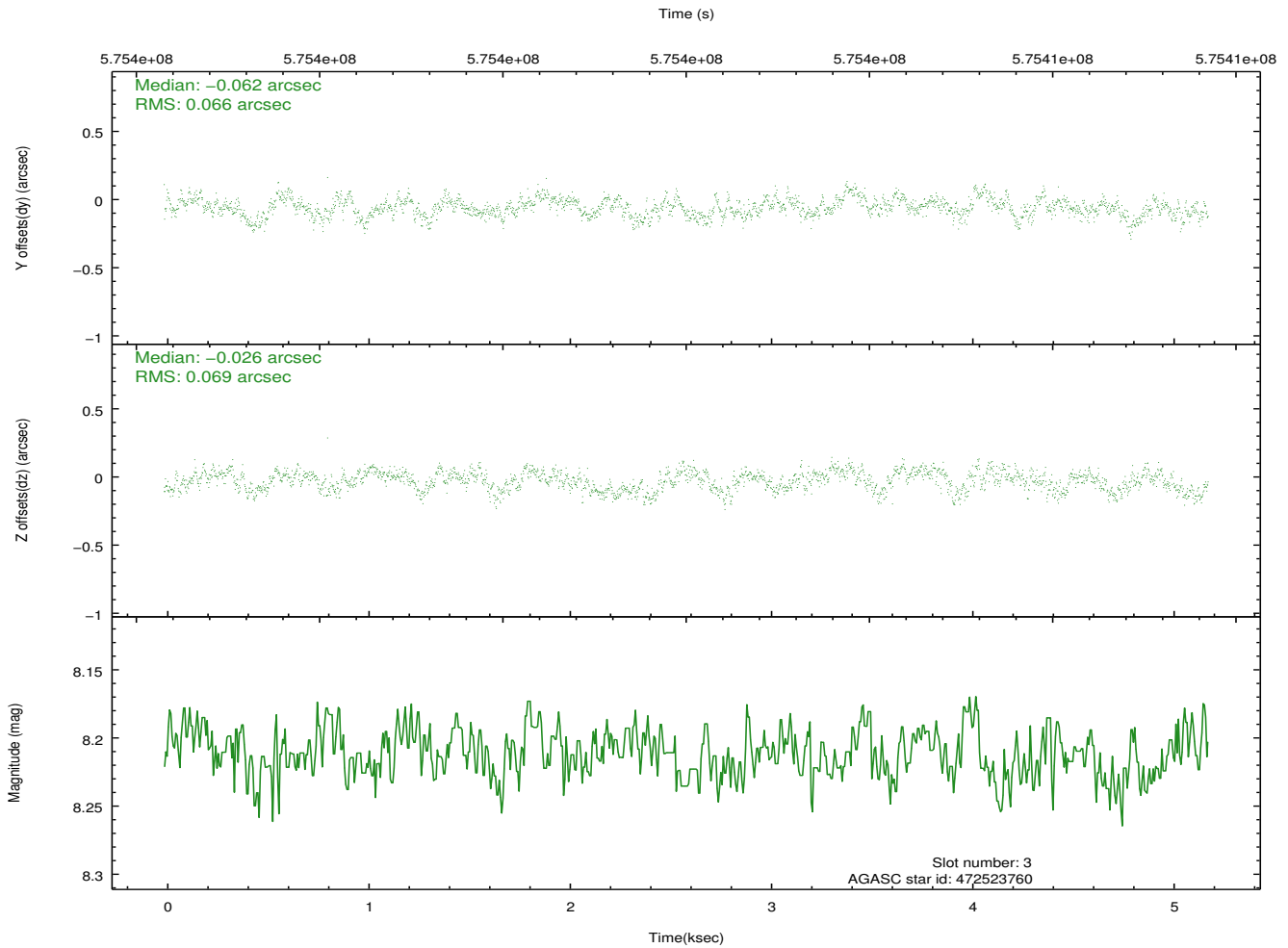
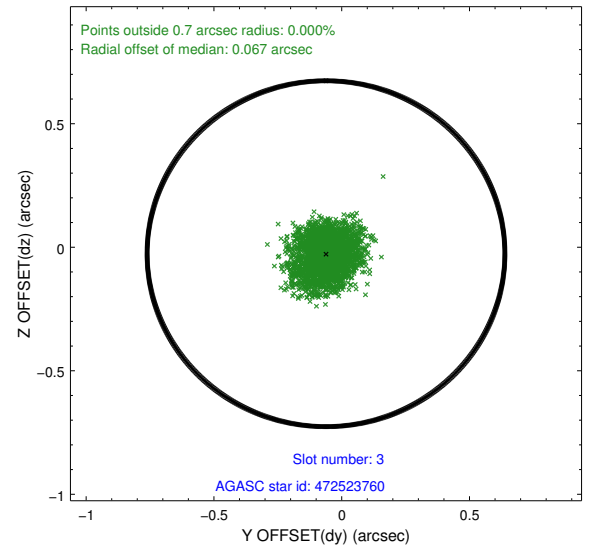
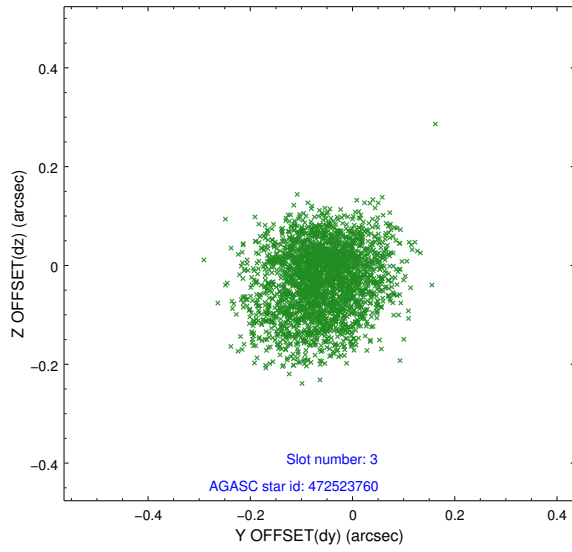


Slot Statistics

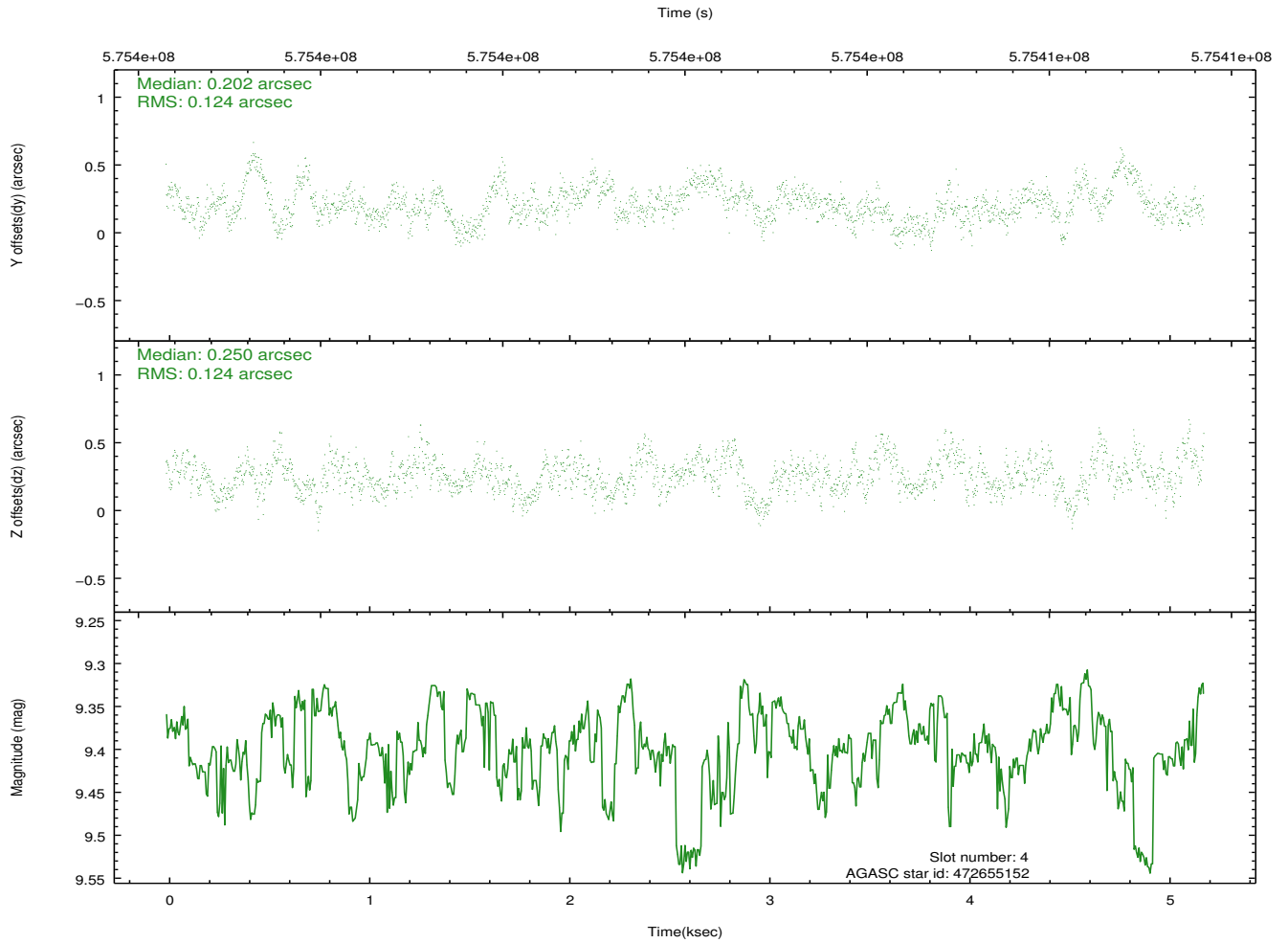
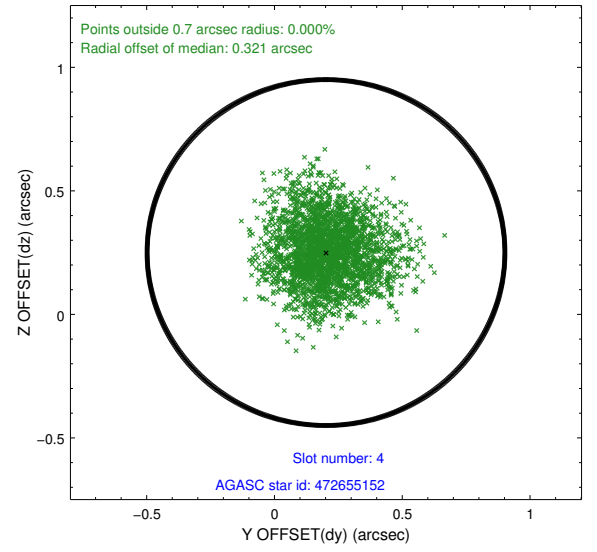
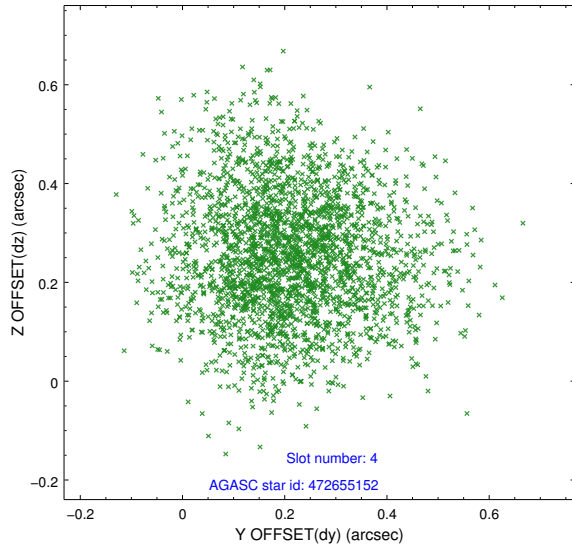
slot	status	used	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID		HRC-I-1	7.02	1266	-0.184	-0.007	0.007	0.013	0.000000	0.000000	-769.23	-1307.04
1	FID		HRC-I-2	7.06	1265	0.369	-0.154	0.007	0.013	0.000000	0.000000	843.35	-1309.72
2	FID		HRC-I-3	7.11	1266	-0.066	0.073	0.008	0.014	0.000000	0.000000	-1197.02	996.55
3	GUIDE	used	472523760	8.21	2528	-0.062	-0.026	0.104	0.160	331.645363	45.403260	-1728.12	112.08
4	GUIDE	used	472655152	9.40	2530	0.202	0.250	0.190	0.303	332.504239	45.862991	974.36	-217.38
5	GUIDE	used	472665256	9.00	2530	-0.260	-0.097	0.109	0.176	332.808125	46.195041	2351.55	115.38
6	GUIDE	used	472533912	9.13	2531	-0.160	-0.269	0.146	0.232	331.791136	46.368695	975.00	2328.14
7	GUIDE	used	472525528	6.63	2530	0.262	0.133	0.107	0.182	331.551102	45.248694	-2288.30	-114.35

2.4 Star Slots

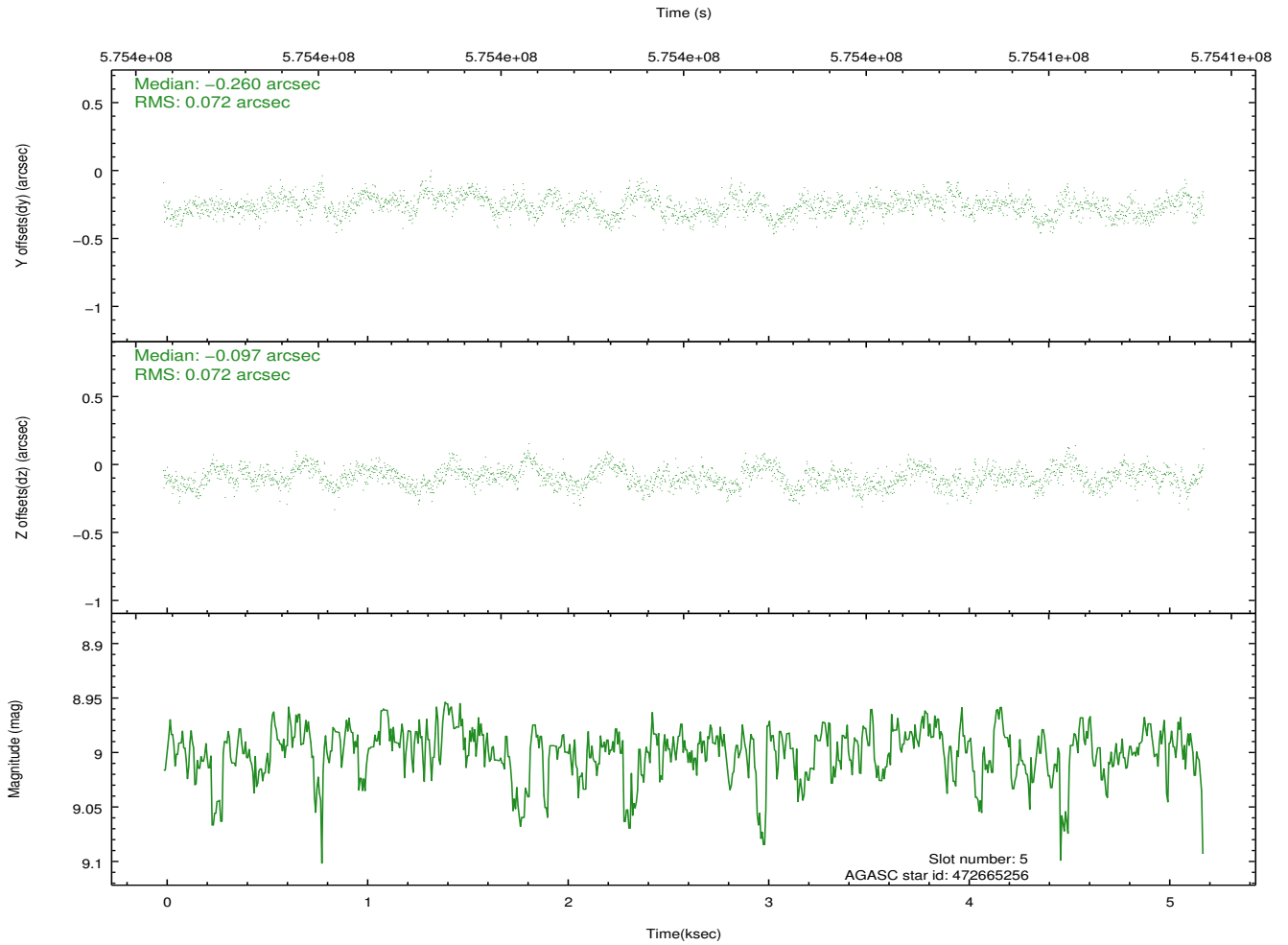
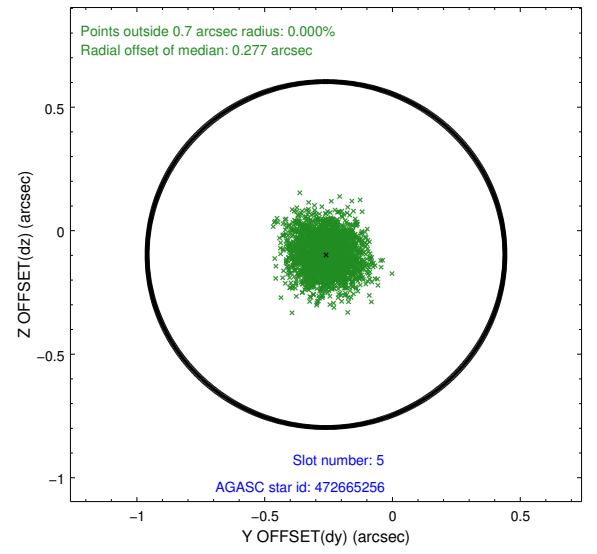
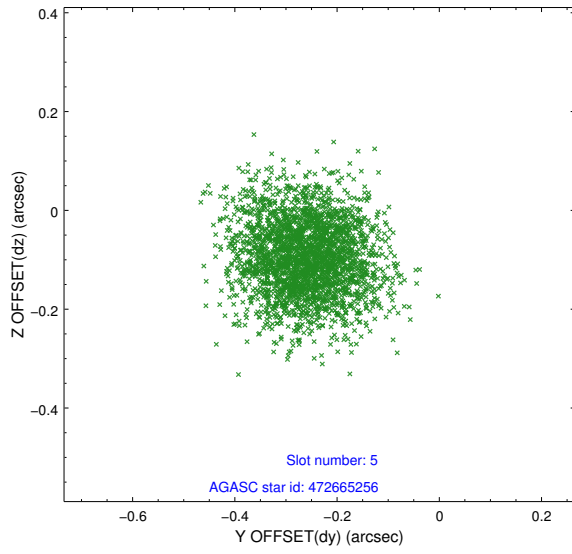
2.4.1 Slot 3



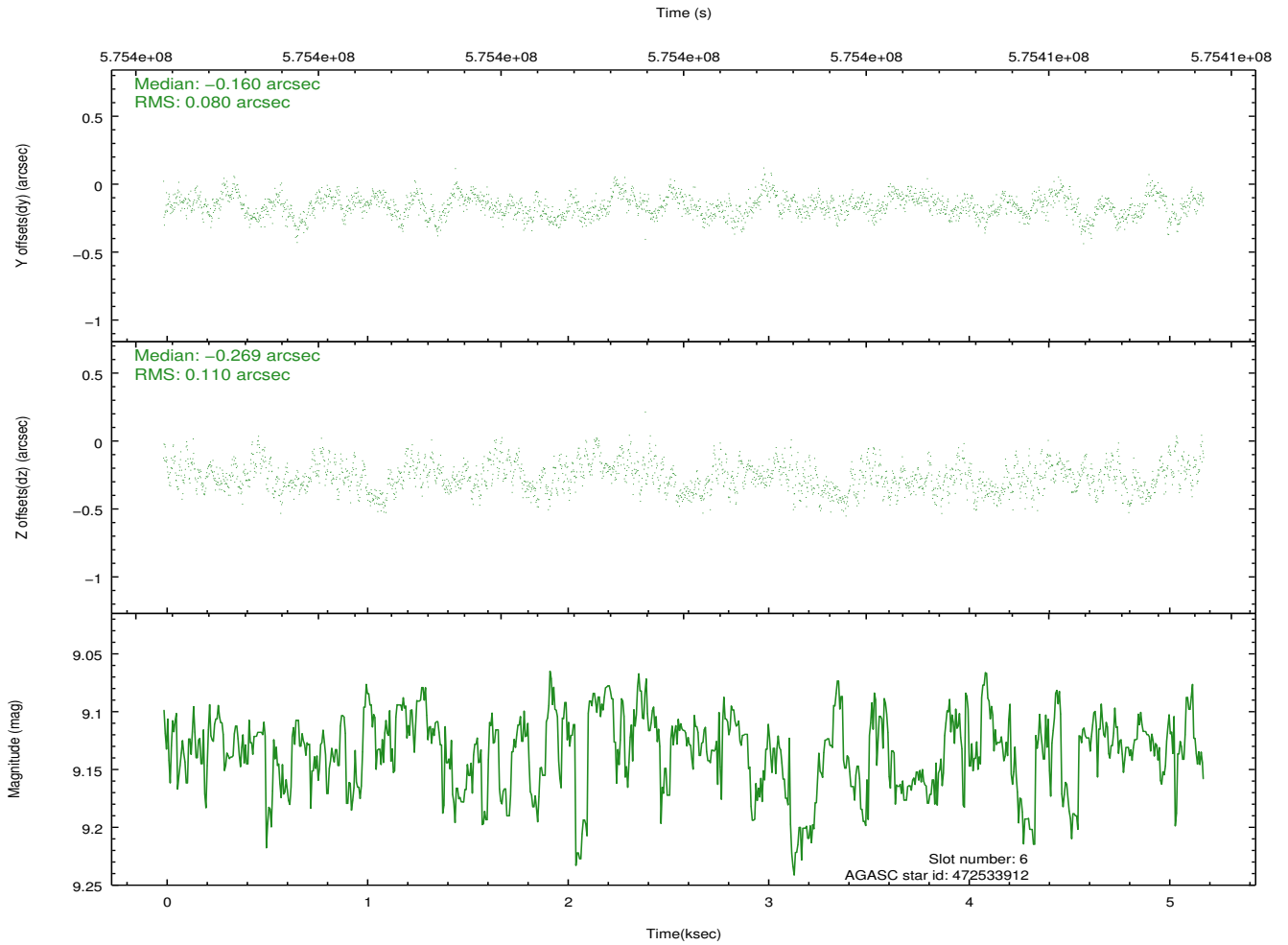
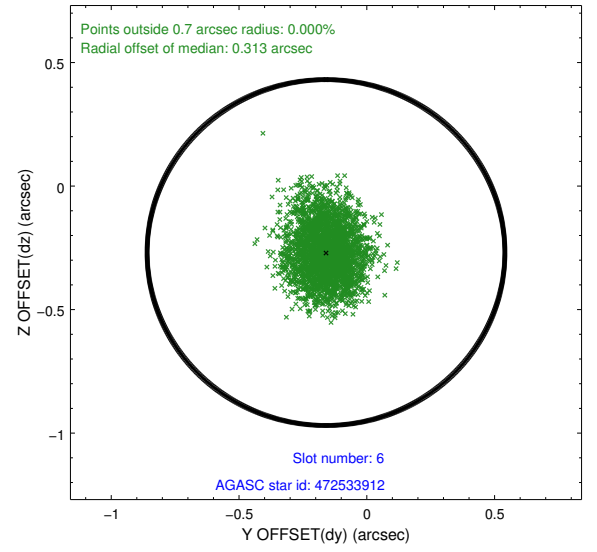
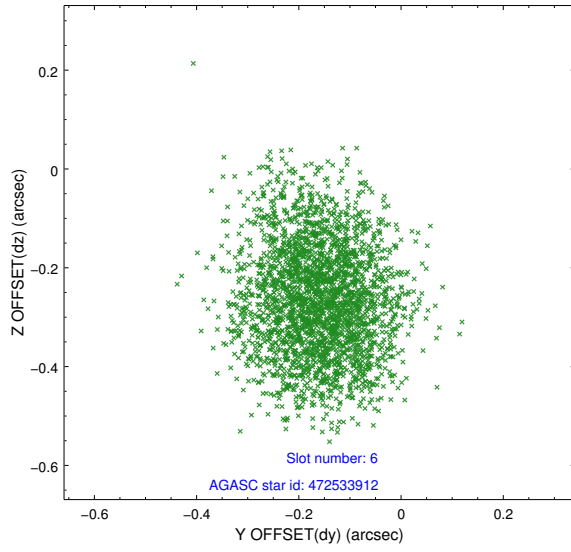
2.4.2 Slot 4



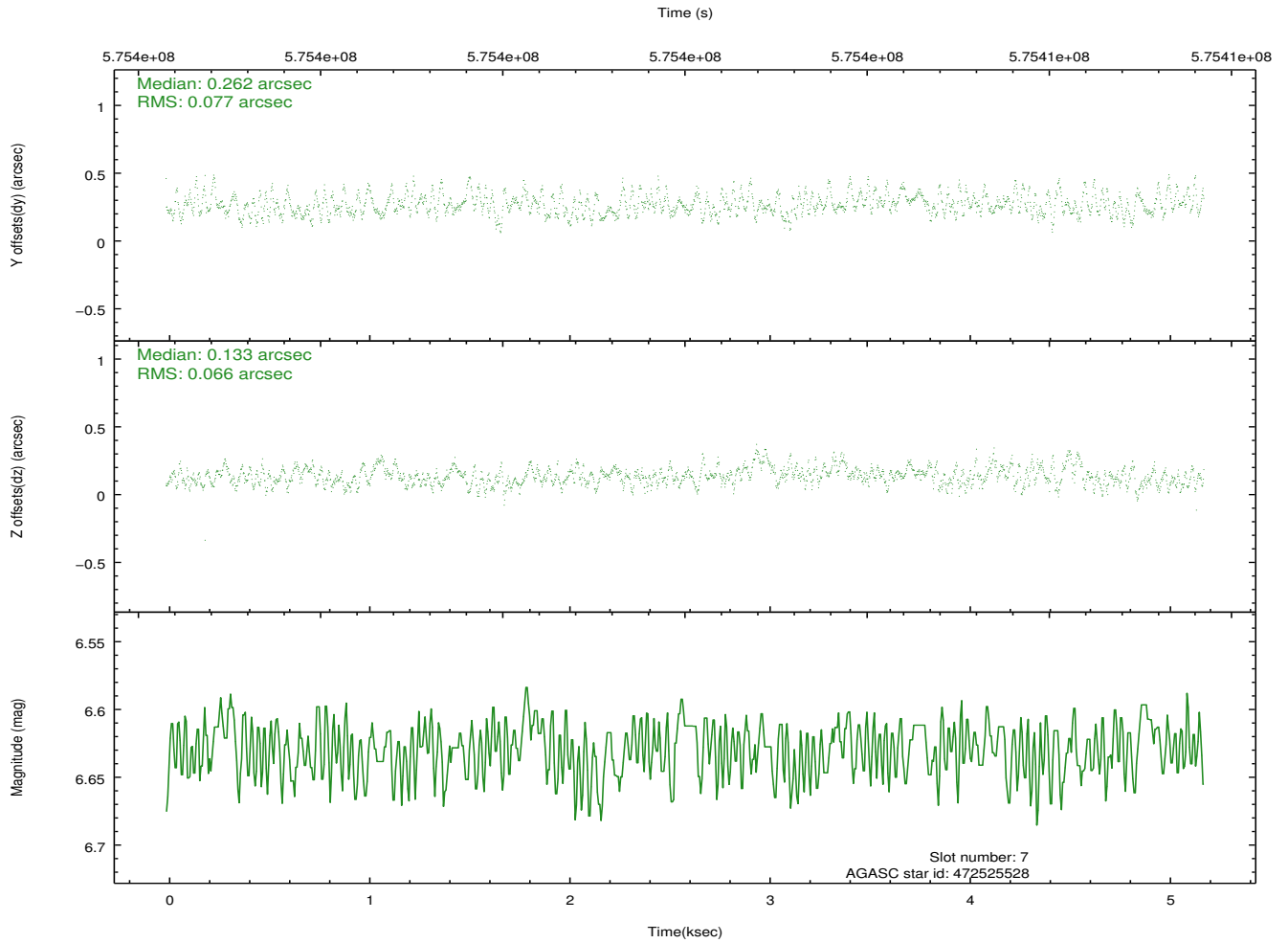
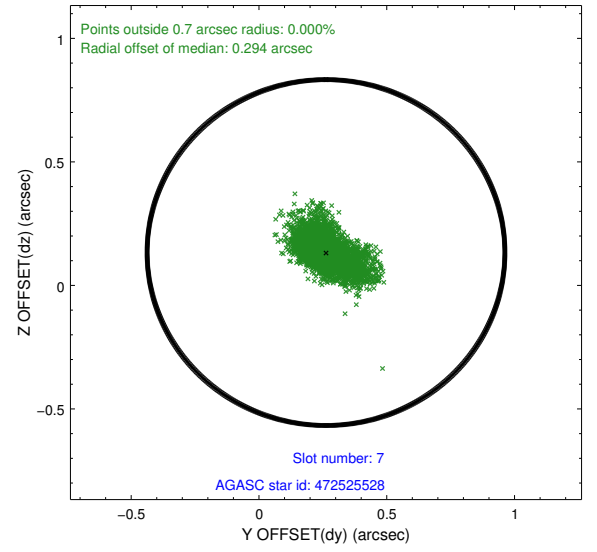
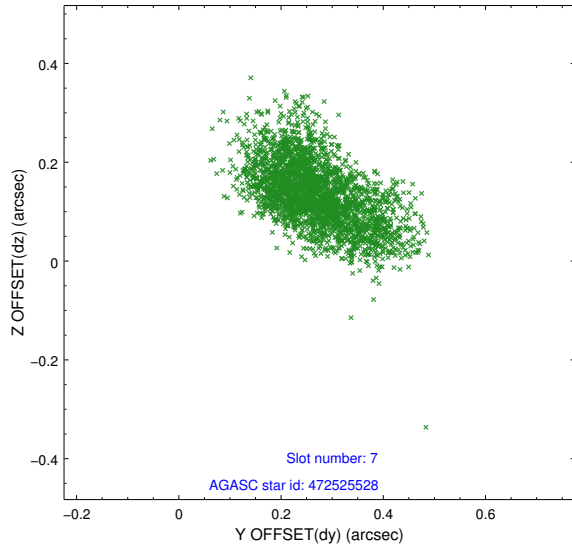
2.4.3 Slot 5



2.4.4 Slot 6

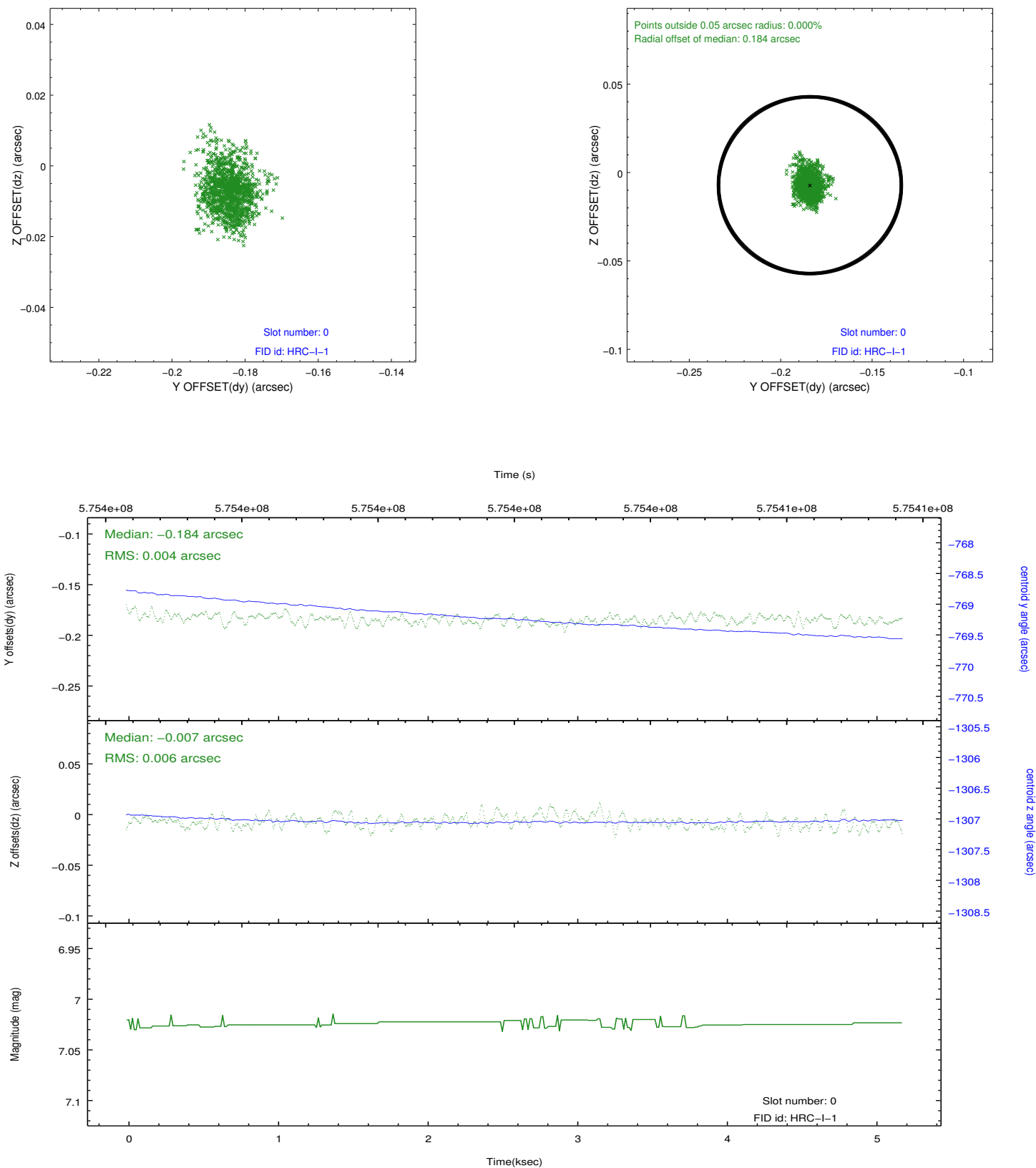


2.4.5 Slot 7

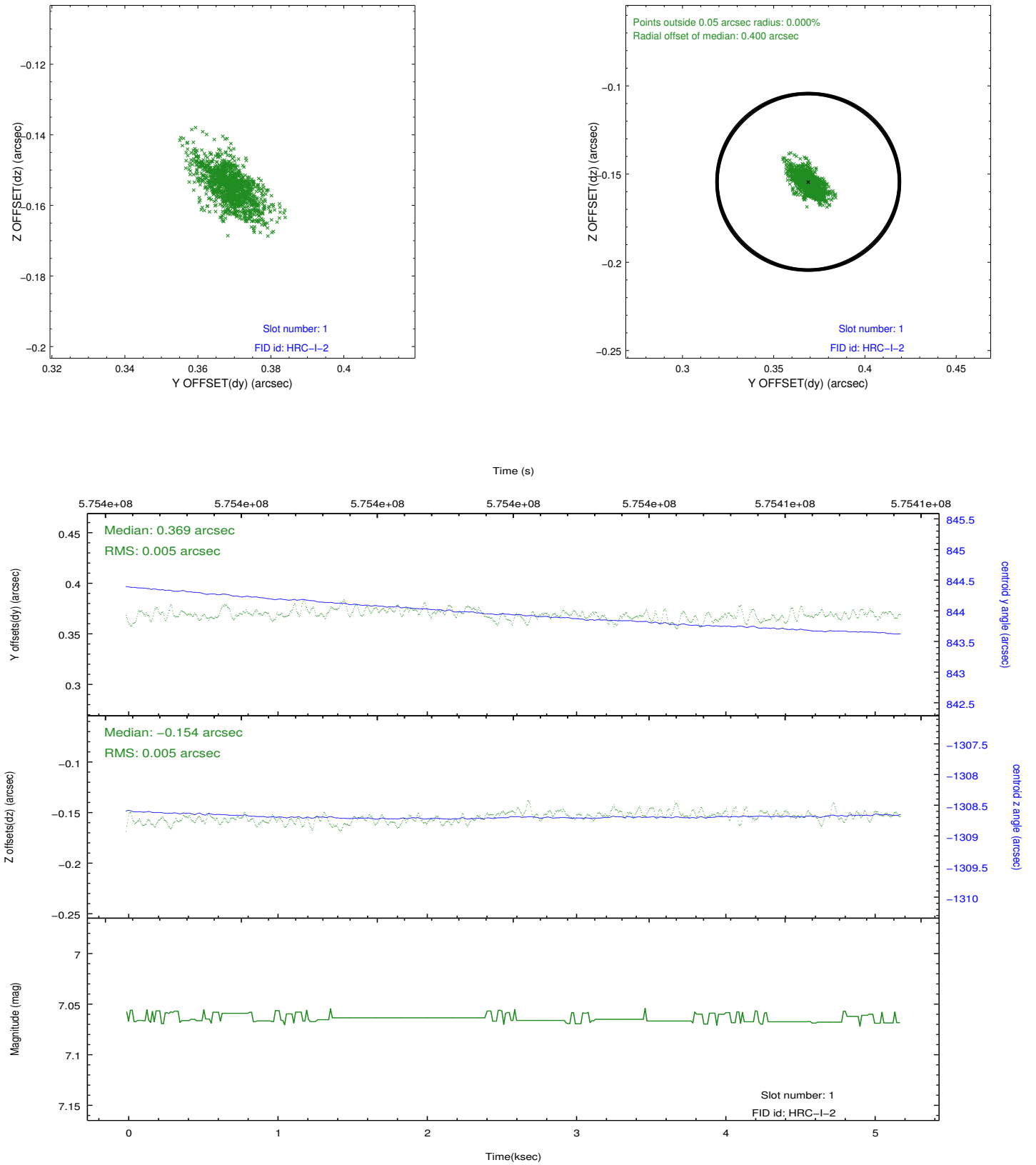


2.5 FID Slots

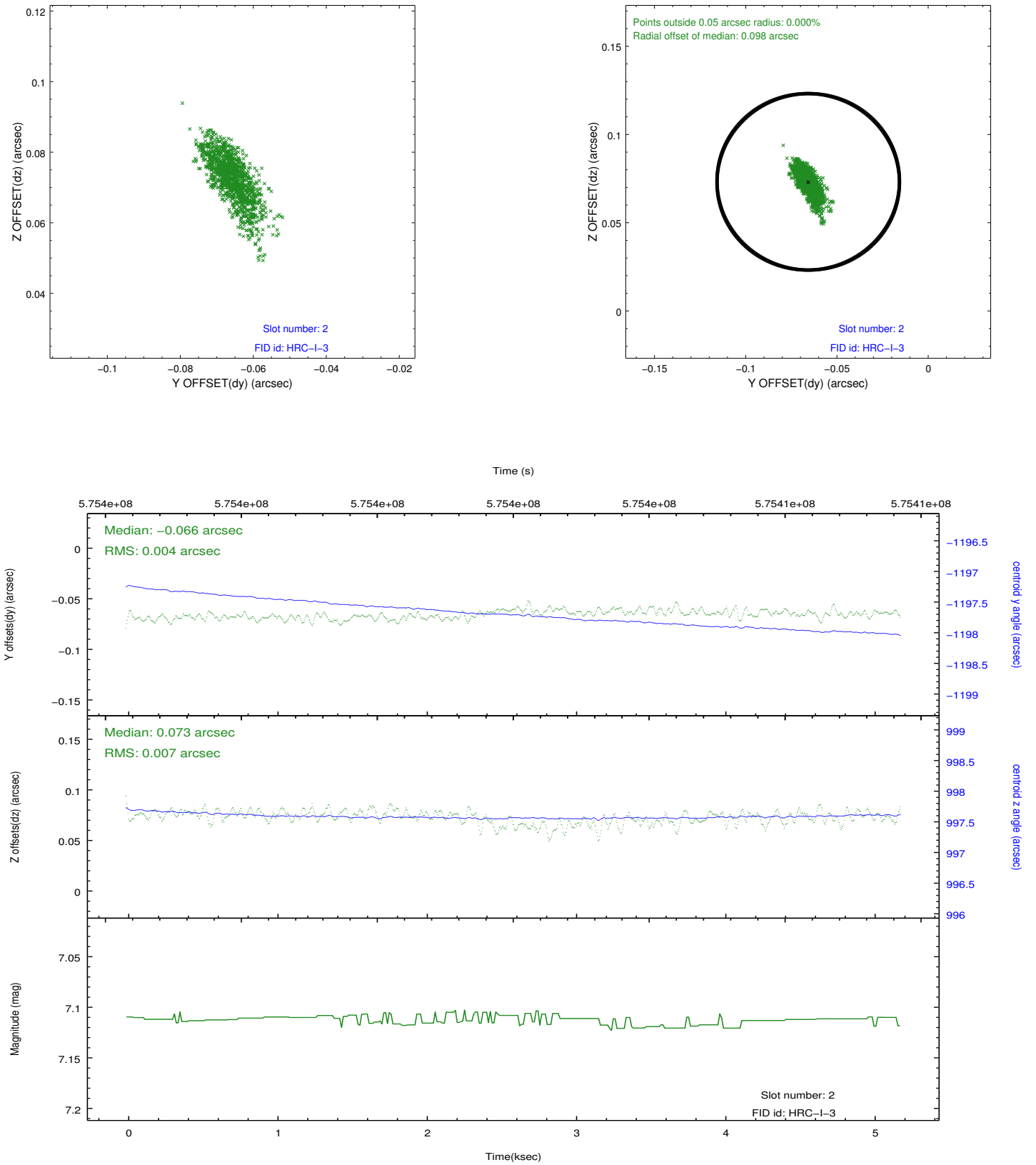
2.5.1 Slot 0



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)	2016.03.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.185731546402

A.2 Comments

Window preference met.