



Test Monitoring Center

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MEMORANDUM: 12-041
DATE: November 21, 2012
TO: EOWT Surveillance Panel
FROM: Michael T. Kasimirsky
SUBJECT: Reference Oil 77-2 Introduction

At the November 19, 2012 EOWT Surveillance Panel teleconference, the panel approved a motion to introduce reference oil 77-2 into the calibration system, based upon the data presented at that meeting.

The initial test targets, which take effect on November 19, 2012, are shown in the following table:

Reference Oil 77-2						
WT%	N	Mean	Std Dev	K	Target Range	
0.6	9	-12.38	3.53	1.96	-19.30	-5.46
1.0	9	-10.77	3.97	1.96	-18.55	-2.99
2.0	9	-12.49	4.35	1.96	-21.02	-3.97
3.0	9	-13.80	3.22	1.96	-20.11	-7.49

Note that the upper and lower limits shown in the "Target Range" block are the official test targets for the EOWT test; the target mean and standard deviation are shown for information purposes only.

The motion also contained provisions for these targets to be updated at 30 data points and then updated and frozen in June 2013, using all data completed by May 31, 2013.

Plots of the initial test targets, the updated test targets, the final test targets used for reference oil 77-1, and the individual data points used to calculate the targets are shown on the following pages.

MTK/mtk

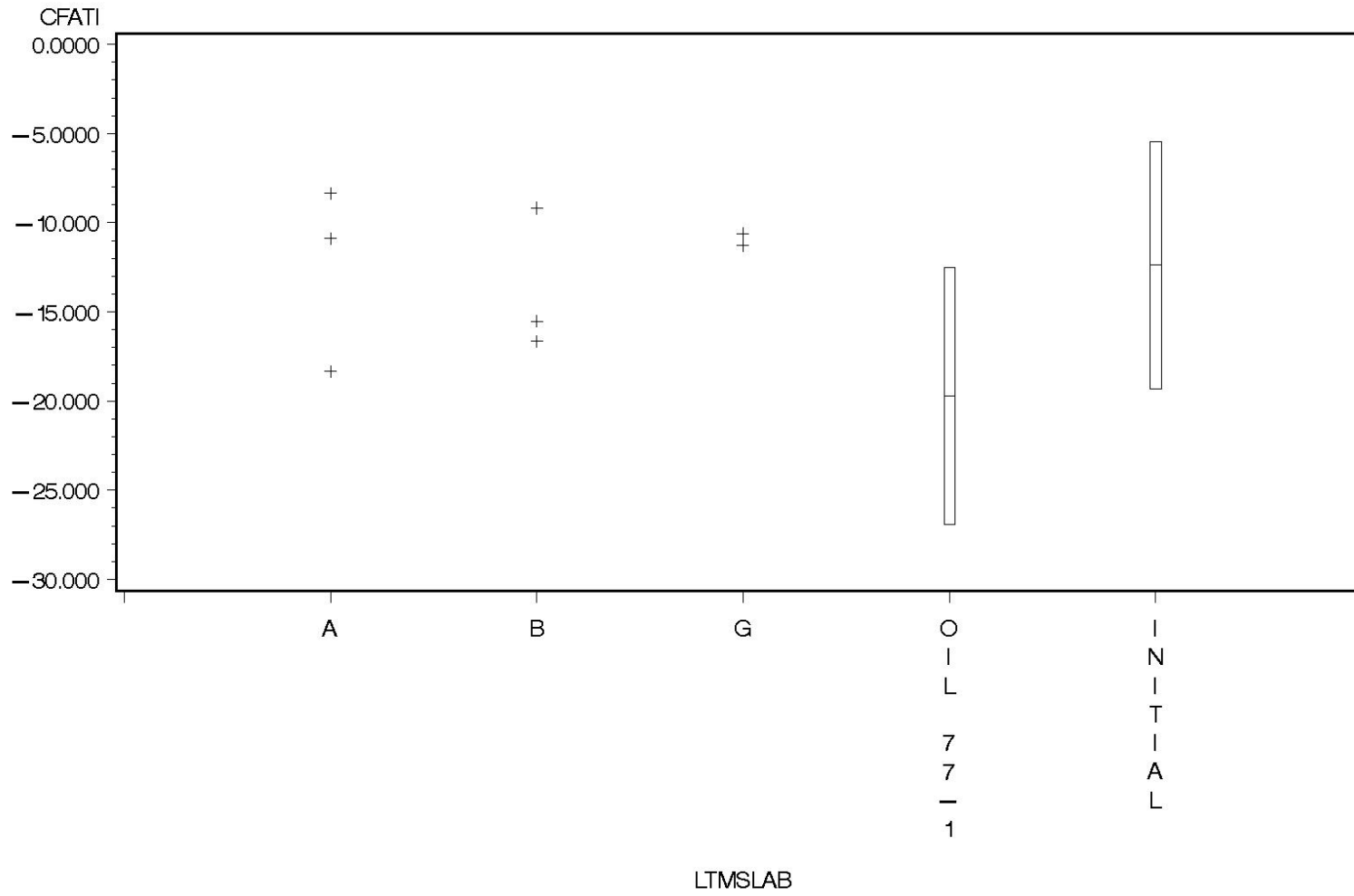
c: <ftp://ftp.astmtmc.cmu.edu/docs/bench/eowt/memo/mem12-041.mtk.pdf>

Distribution: email

EOWT Reference Oil 77-2

Test Target Data Set and Acceptance Bands

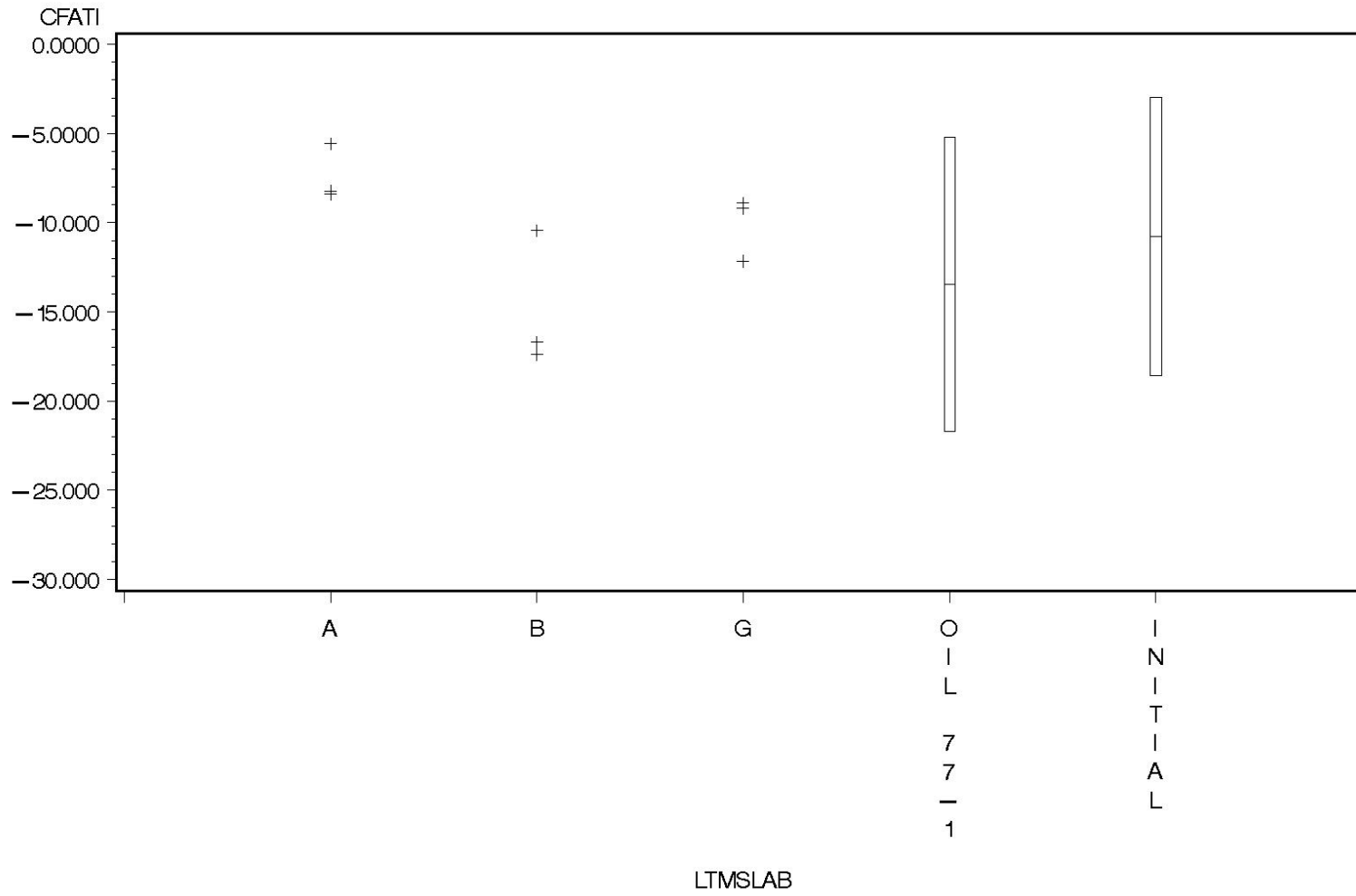
Change in Flowrate Average, 0.6% Water Concentration



EOWT Reference Oil 77-2

Test Target Data Set and Acceptance Bands

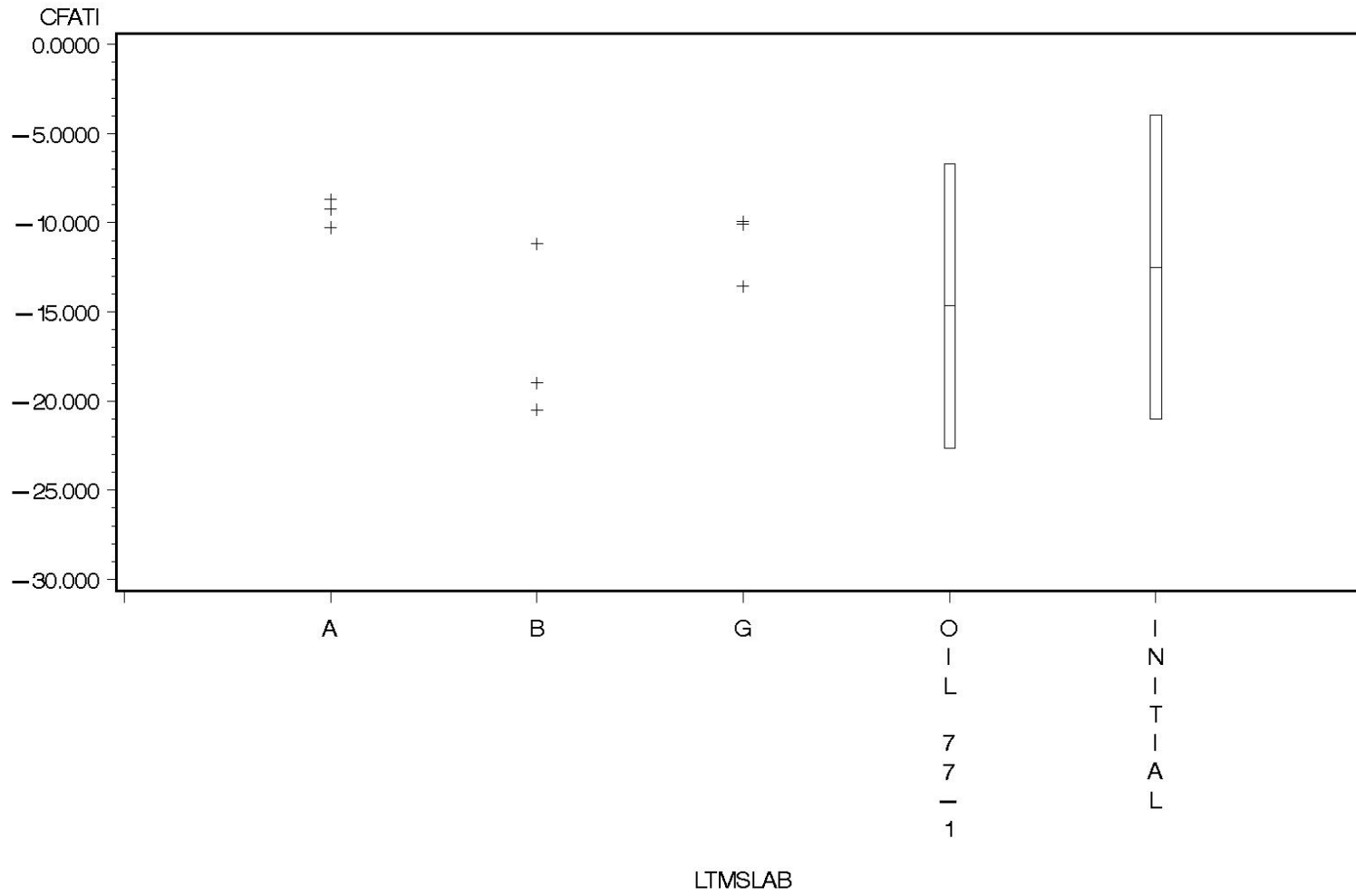
Change in Flowrate Average, 1.0% Water Concentration



EOWT Reference Oil 77-2

Test Target Data Set and Acceptance Bands

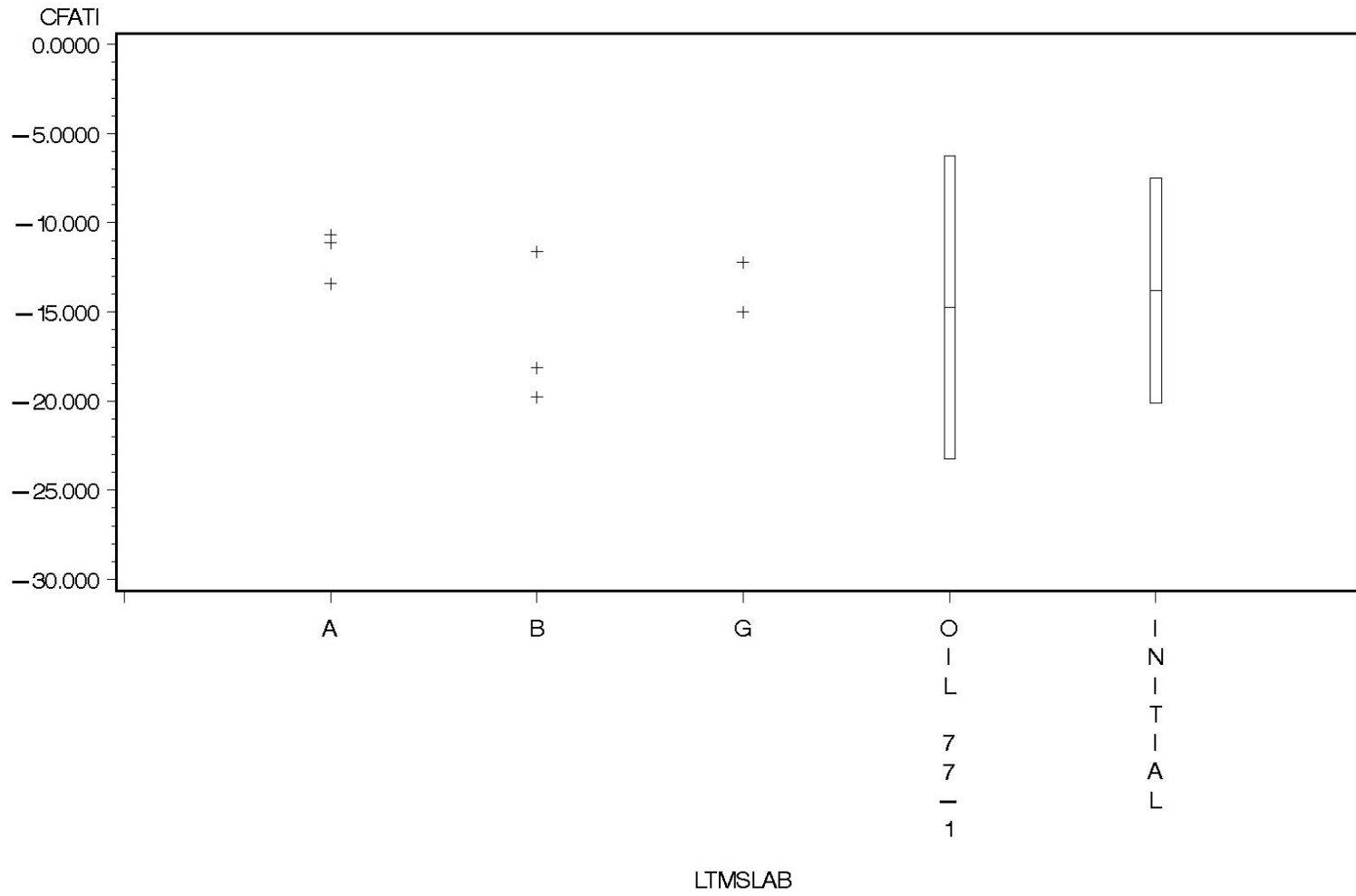
Change in Flowrate Average, 2.0% Water Concentration



EOWT Reference Oil 77-2

Test Target Data Set and Acceptance Bands

Change in Flowrate Average, 3.0% Water Concentration



TESTKEY	LTMSLAB	IND	VAL	CHART	LTMSDATE	LTMSTIME	DTCOMP	SPECIAL	CF1_R001	CF2_R001	CFA
88741-EOWT	A	77-2	NI	N	20120920	13:23	20120920	0.6	-8.57	-8.11	-8.34
88745-EOWT	A	77-2	NI	N	20120921	13:39	20120921	0.6	-20	-16.67	-18.34
88749-EOWT	A	77-2	NI	N	20120926	08:48	20120926	0.6	-7.89	-13.89	-10.89
89282-EOWT	B	77-2	NI	N	20120930	14:16	20120930	0.6	-8.33	-10	-9.17
89286-EOWT	B	77-2	NI	N	20121017	14:42	20121017	0.6	-15.91	-17.39	-16.65
89290-EOWT	B	77-2	NI	N	20121017	14:42	20121017	0.6	-18	-13.04	-15.52
89805-EOWT	G	77-2	NI	N	20120912	17:00	20120912	0.6	-10.21	-11.07	-10.64
89809-EOWT	G	77-2	NI	N	20120914	17:00	20120914	0.6	-10.29	-10.91	-10.6
89813-EOWT	G	77-2	NI	N	20120919	17:00	20120919	0.6	-8.13	-14.43	-11.28
88742-EOWT	A	77-2	NI	N	20120920	13:21	20120920	1.0	-5.71	-11.11	-8.41
88746-EOWT	A	77-2	NI	N	20120921	13:45	20120921	1.0	-5.71	-5.41	-5.56
88750-EOWT	A	77-2	NI	N	20120926	08:43	20120926	1.0	-7.89	-8.57	-8.23
89283-EOWT	B	77-2	NI	N	20120930	14:16	20120930	1.0	-9.76	-11.11	-10.43
89287-EOWT	B	77-2	NI	N	20121017	14:42	20121017	1.0	-15.22	-19.57	-17.39
89291-EOWT	B	77-2	NI	N	20121017	14:42	20121017	1.0	-16.33	-17.07	-16.7
89806-EOWT	G	77-2	NI	N	20120912	17:00	20120912	1.0	-9.94	-8.39	-9.17
89810-EOWT	G	77-2	NI	N	20120914	17:00	20120914	1.0	-8.22	-9.58	-8.9
89814-EOWT	G	77-2	NI	N	20120919	17:00	20120919	1.0	-12.49	-11.81	-12.15
88743-EOWT	A	77-2	NI	N	20120920	13:59	20120920	2.0	-8.82	-8.57	-8.7
88747-EOWT	A	77-2	NI	N	20120921	14:18	20120921	2.0	-10.26	-10.26	-10.26
88751-EOWT	A	77-2	NI	N	20120926	09:27	20120926	2.0	-7.32	-11.11	-9.22
89284-EOWT	B	77-2	NI	N	20120930	14:16	20120930	2.0	-9.52	-12.82	-11.17
89288-EOWT	B	77-2	NI	N	20121017	14:42	20121017	2.0	-17.65	-23.33	-20.49
89292-EOWT	B	77-2	NI	N	20121017	14:42	20121017	2.0	-19.61	-18.37	-18.99
89807-EOWT	G	77-2	NI	N	20120912	17:00	20120912	2.0	-12.18	-7.99	-10.09
89811-EOWT	G	77-2	NI	N	20120914	17:00	20120914	2.0	-8.47	-11.39	-9.93
89815-EOWT	G	77-2	NI	N	20120919	17:00	20120919	2.0	-12.48	-14.68	-13.58
88744-EOWT	A	77-2	NI	N	20120920	13:58	20120920	3.0	-13.89	-8.33	-11.11
88748-EOWT	A	77-2	NI	N	20120921	14:21	20120921	3.0	-10.53	-10.81	-10.67
88752-EOWT	A	77-2	NI	N	20120926	09:26	20120926	3.0	-14.29	-12.5	-13.4
89285-EOWT	B	77-2	NI	N	20120930	14:16	20120930	3.0	-13.51	-9.76	-11.64
89289-EOWT	B	77-2	NI	N	20121017	14:42	20121017	3.0	-19.57	-20	-19.79
89293-EOWT	B	77-2	NI	N	20121017	14:42	20121017	3.0	-19.61	-16.67	-18.14
89808-EOWT	G	77-2	NI	N	20120912	17:00	20120912	3.0	-12.92	-11.51	-12.22
89812-EOWT	G	77-2	NI	N	20120914	17:00	20120914	3.0	-12.23	-12.23	-12.23
89816-EOWT	G	77-2	NI	N	20120919	17:00	20120919	3.0	-14.8	-15.24	-15.02