



Test Monitoring Center

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MEMORANDUM: 11-022
DATE: June 6, 2011
TO: EOWT Surveillance Panel
FROM: Michael T. Kasimirsky
SUBJECT: Reference Oil 78-2 Introduction

On the June 6, 2011 EOWT Surveillance Panel conference call, the panel approved a motion to introduce reference oil 78-2, based upon the data presented at that meeting. As part of that motion, the test targets will be updated when 30 data points are available on each water treatment level and then updated and frozen on September 6, 2011.

The initial test targets, which take effect on June 6, 2011, are shown in the following table:

Reference Oil 78-2						
WT%	N	Mean	Std Dev	K	Target Range	
0.6	9	29.06	8.64	1.96	12.12	46.00
1.0	9	27.18	7.69	1.96	12.11	42.26
2.0	9	22.62	7.64	1.96	7.64	37.60
3.0	9	19.31	7.54	1.96	4.53	34.09

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.

Plots of the initial test targets, the final test targets used for reference oil 78-1, and the individual data points used to calculate the targets are shown on the following pages. A table of the individual data is also attached.

MTK/mtk

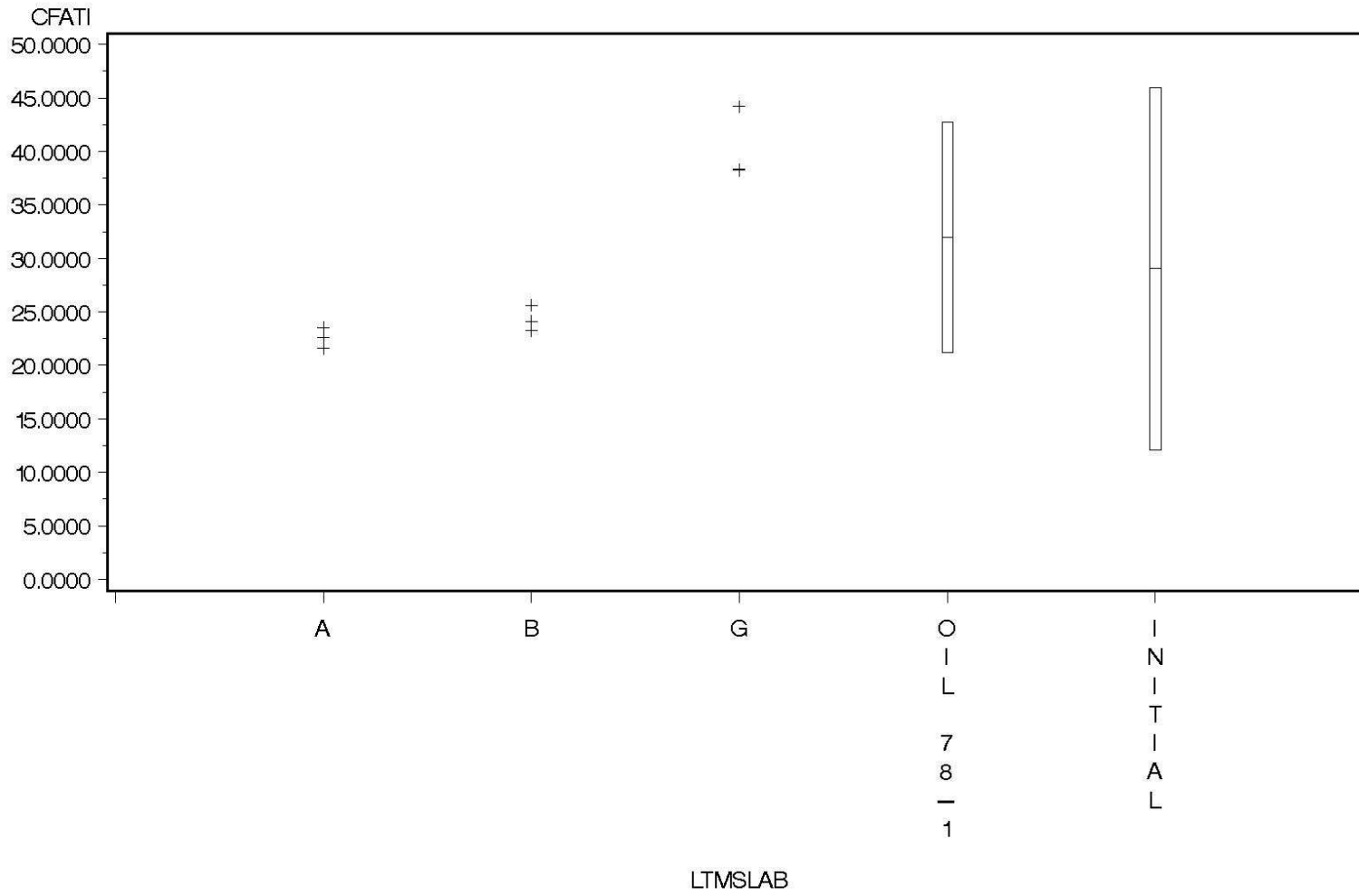
c: [ftp://ftp.astmtmc.cmu.edu/docs/bench/eowt/memo/mem11-022.mtk.pdf/](ftp://ftp.astmtmc.cmu.edu/docs/bench/eowt/memo/mem11-022.mtk.pdf)

Distribution: email

EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

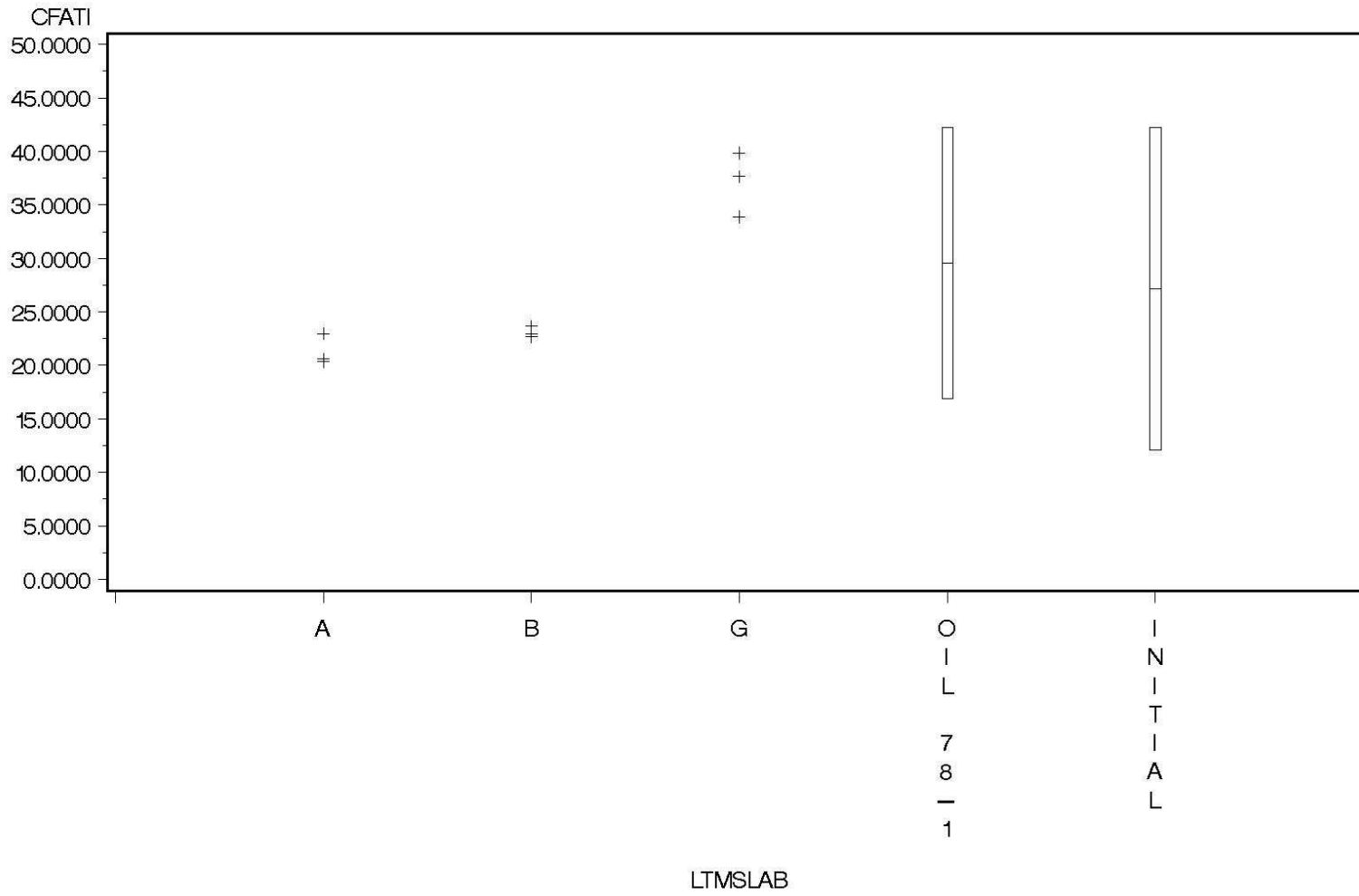
Change in Flowrate Average, 0.6% Water Concentration



EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

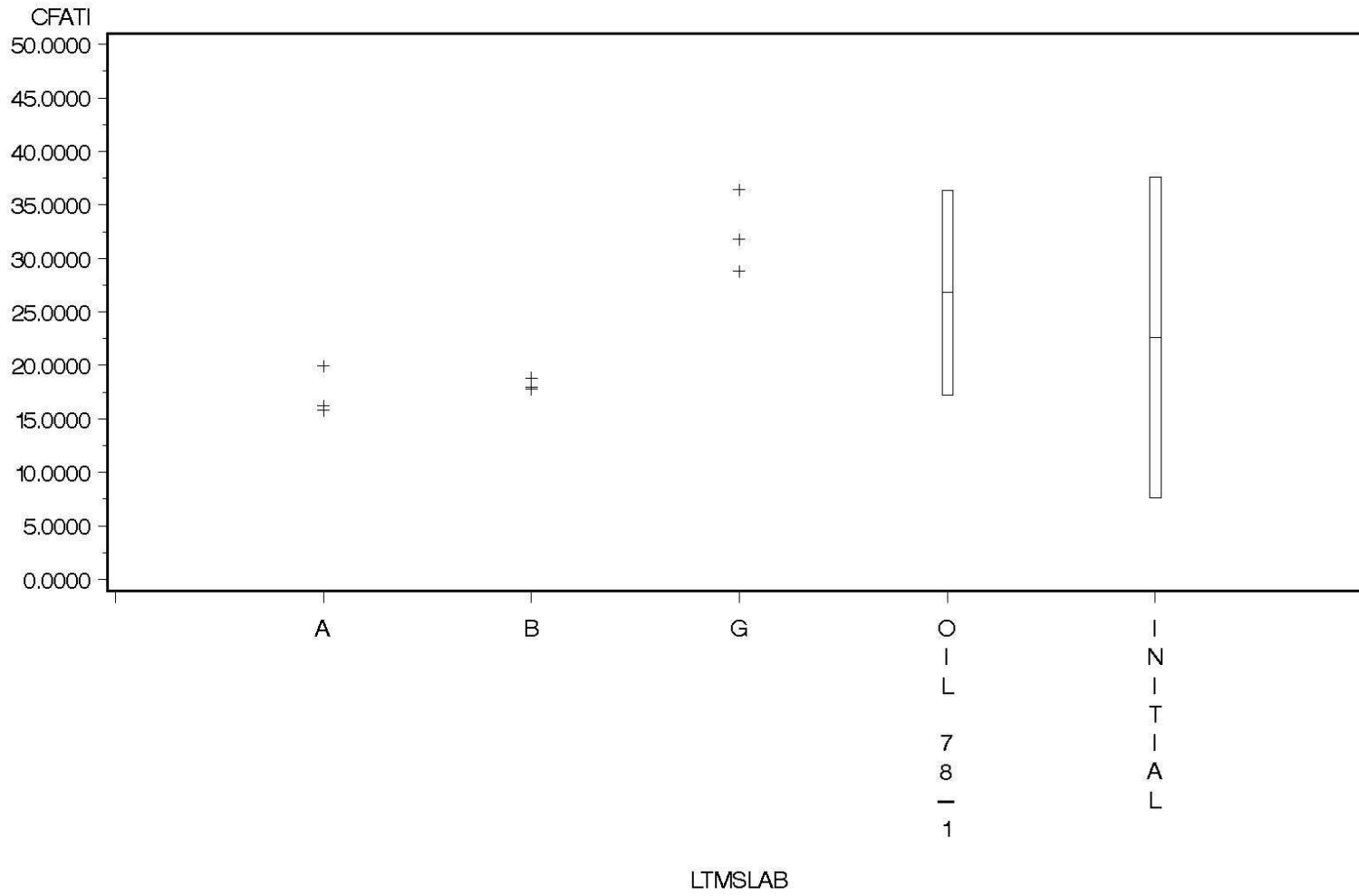
Change in Flowrate Average, 1.0% Water Concentration



EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

Change in Flowrate Average, 2.0% Water Concentration

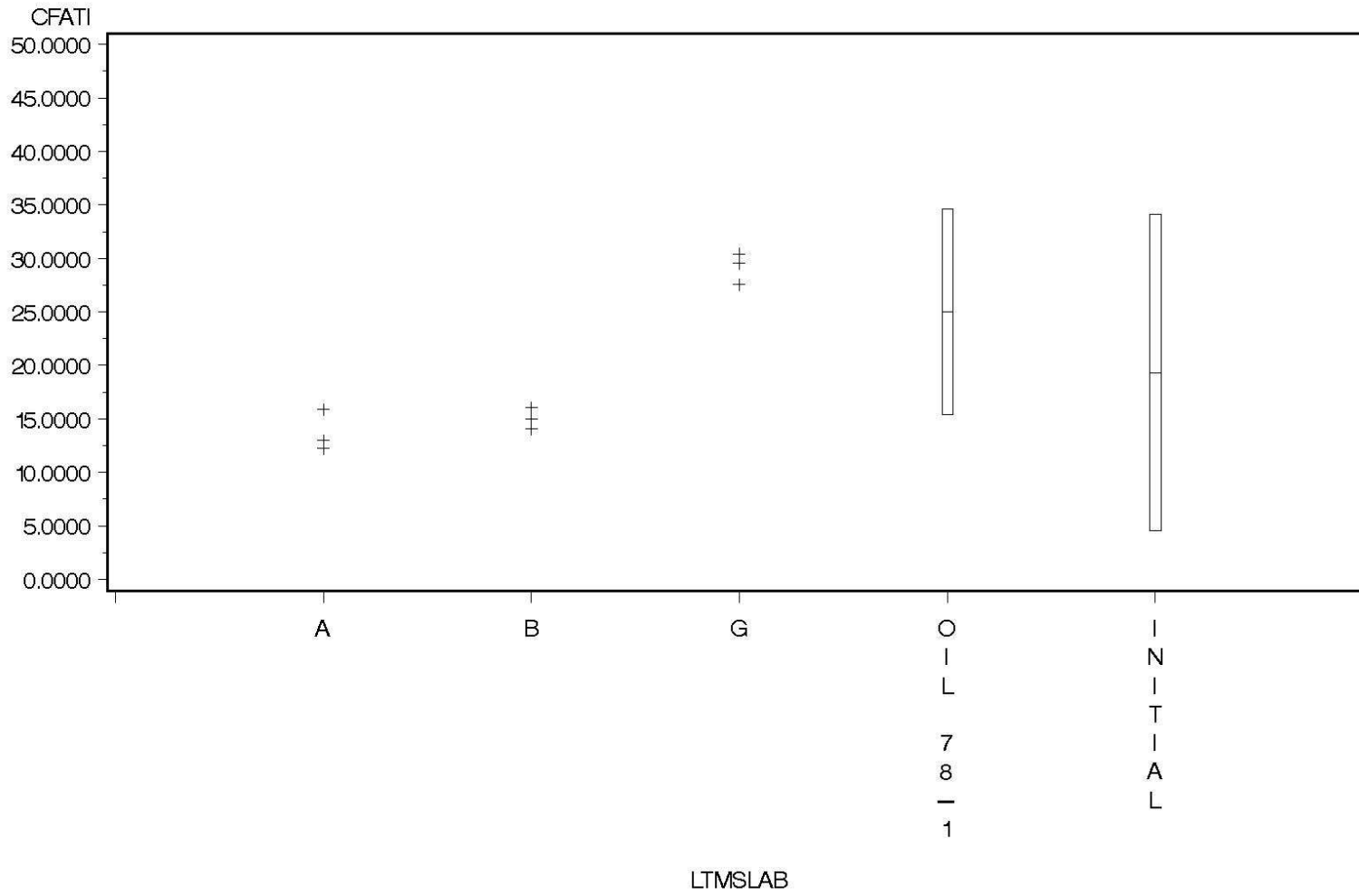


LTMSLAB

EOWT Reference Oil 78—2

Test Target Data Set and Acceptance Bands

Change in Flowrate Average, 3.0% Water Concentration



LTMSLAB

TESTKEY	LTMSLAB	IND	VAL	LTMSDATE	LTMSTIME	RUN_M001	SPECIAL	CF1_R001	CF2_R001	CFA
81999-EOWT	A	78-2	AG	20110511	09:07	2	0.6	23.73	23.33	23.53
82003-EOWT	A	78-2	AG	20110511	09:07	3	0.6	20.34	22.81	21.58
82007-EOWT	A	78-2	AG	20110511	09:07	4	0.6	20.69	24.56	22.63
82243-EOWT	B	78-2	AG	20110602	15:32	1	0.6	25.81	25.42	25.62
82247-EOWT	B	78-2	AG	20110603	15:02	1	0.6	25.4	21.15	23.27
82251-EOWT	B	78-2	AG	20110603	15:02	1	0.6	23.73	24.53	24.13
81903-EOWT	G	78-2	AG	20110504	17:00	801	0.6	36.25	40.23	38.24
81907-EOWT	G	78-2	AG	20110512	17:00	809	0.6	34.63	42.01	38.32
81911-EOWT	G	78-2	AG	20110520	17:00	812	0.6	40.92	47.5	44.21
82000-EOWT	A	78-2	AG	20110511	09:53	6	1.0	19.61	21.57	20.59
82004-EOWT	A	78-2	AG	20110511	09:53	7	1.0	20.37	20.37	20.37
82008-EOWT	A	78-2	AG	20110511	09:53	8	1.0	25.53	20.41	22.97
82244-EOWT	B	78-2	AG	20110602	15:32	2	1.0	22.03	23.33	22.68
82248-EOWT	B	78-2	AG	20110603	15:02	2	1.0	23.64	23.73	23.68
82252-EOWT	B	78-2	AG	20110603	15:02	2	1.0	22.22	23.73	22.97
81904-EOWT	G	78-2	AG	20110504	17:00	799	1.0	36.32	43.4	39.86
81908-EOWT	G	78-2	AG	20110512	17:00	807	1.0	35.39	39.88	37.64
81912-EOWT	G	78-2	AG	20110520	17:00	810	1.0	36.62	31.16	33.89
82001-EOWT	A	78-2	AG	20110511	09:07	10	2.0	17.86	14.55	16.21
82005-EOWT	A	78-2	AG	20110511	09:07	11	2.0	18.87	21.05	19.96
82009-EOWT	A	78-2	AG	20110511	09:07	12	2.0	12.73	18.87	15.8
82245-EOWT	B	78-2	AG	20110602	15:32	3	2.0	18.33	17.24	17.78
82249-EOWT	B	78-2	AG	20110603	15:02	3	2.0	16.67	20.97	18.82
82253-EOWT	B	78-2	AG	20110603	15:02	3	2.0	16.95	19.05	18
81905-EOWT	G	78-2	AG	20110504	17:00	801	2.0	36.25	36.61	36.43
81909-EOWT	G	78-2	AG	20110512	17:00	809	2.0	30.45	27.13	28.79
81913-EOWT	G	78-2	AG	20110520	17:00	812	2.0	30.72	32.85	31.79
82002-EOWT	A	78-2	AG	20110511	09:53	14	3.0	20.83	10.91	15.87
82006-EOWT	A	78-2	AG	20110511	09:53	15	3.0	16	10	13
82010-EOWT	A	78-2	AG	20110511	09:53	16	3.0	11.32	13.21	12.27
82246-EOWT	B	78-2	AG	20110602	15:32	4	3.0	15	13.11	14.05
82250-EOWT	B	78-2	AG	20110603	15:02	4	3.0	15.52	14.52	15.02
82254-EOWT	B	78-2	AG	20110603	15:02	4	3.0	14.52	17.54	16.03
81906-EOWT	G	78-2	AG	20110504	17:00	800	3.0	30.91	29.95	30.43
81910-EOWT	G	78-2	AG	20110512	17:00	808	3.0	28.42	26.71	27.57
81914-EOWT	G	78-2	AG	20110520	17:00	811	3.0	28.48	30.61	29.55