

Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20121017\
Data File : 10-17-12_10.D
Acq On : 17 Oct 2012 6:29 pm
Operator : QN
Sample : 312205-004
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 18 15:19:28 2012
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title :
QLast Update : Wed May 05 16:21:01 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dioxane d8	7.40	96	311386	20.00	ug/L	-0.18
3) NDMA-d6	9.12	80	442309	20.00	ug/L	-0.17
5) NDEA-d10	11.30	112	450920	20.00	ug/L	-0.17

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	7.45	88	8395m	0.58	ug/L	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

(J) 10/18/12

Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_DIOXANE\20121017\
Data File : 10-17-12_10.D
Acq On : 17 Oct 2012 6:29 pm
Operator : QN
Sample : 312205-004
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 17 18:46:50 2012
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title :
QLast Update : Wed May 05 16:21:01 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev (Min)
1) 1,4-Dioxane d8	7.40	96	311386	20.00	ug/L	-0.18
3) NDMA-d6	9.12	80	442309	20.00	ug/L	-0.17
5) NDEA-d10	11.30	112	450920	20.00	ug/L	-0.17

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	7.45	88	13551	0.94	ug/L	89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_DIOXANE\20121017\
Data File : 10-17-12_11.D
Acq On : 17 Oct 2012 6:56 pm
Operator : QN
Sample : 312205-007
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 19:13:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title :
QLast Update : Wed May 05 16:21:01 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane d8	7.41	96	535656	20.00	ug/L	-0.17
3) NDMA-d6	9.12	80	787681	20.00	ug/L	-0.17
5) NDEA-d10	11.30	112	733523	20.00	ug/L	-0.17

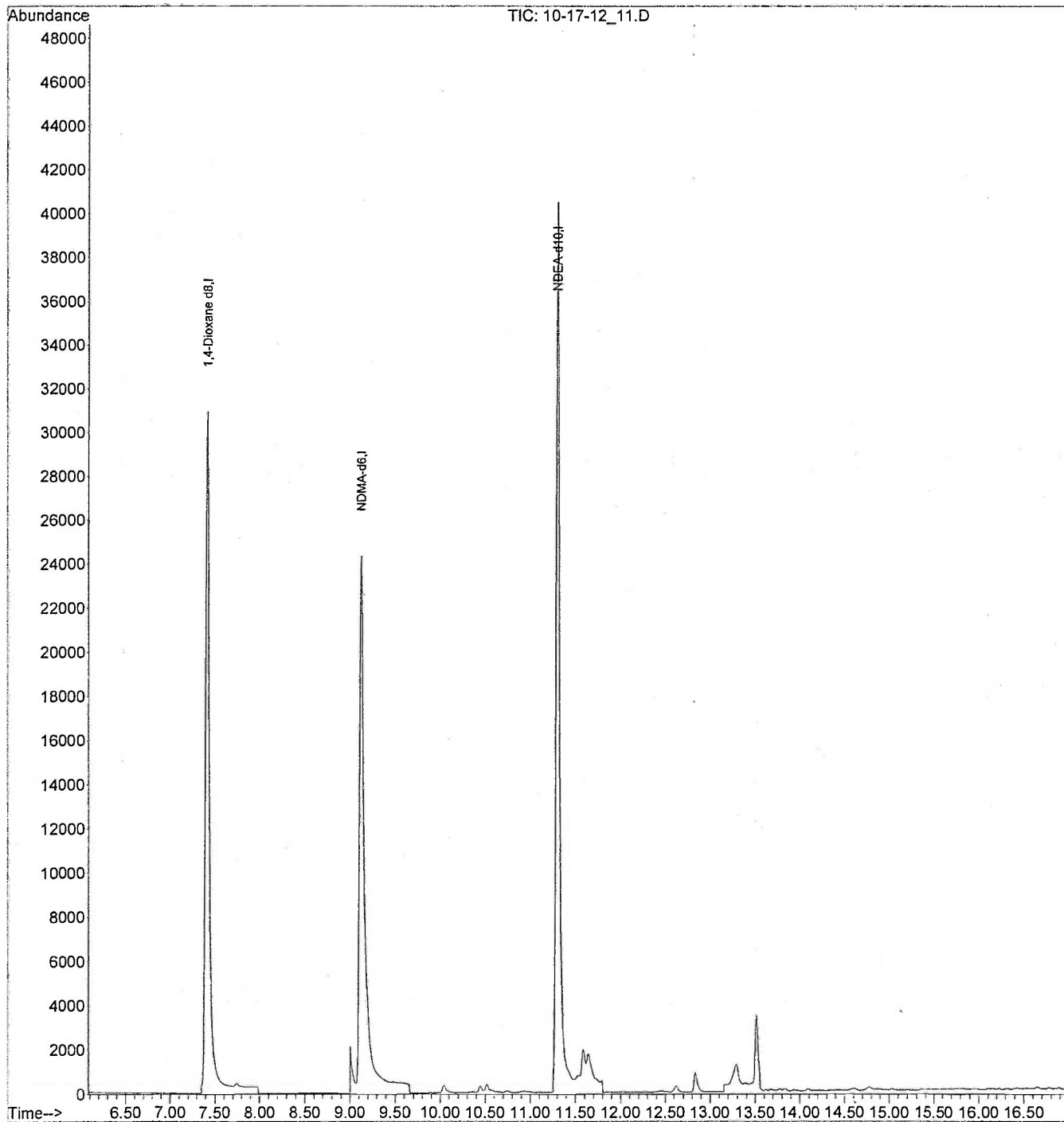
Target Compounds	Qvalue
------------------	--------

(#) = qualifier out of range (m) = manual integration (+) = signals summed

AM
10/18/12

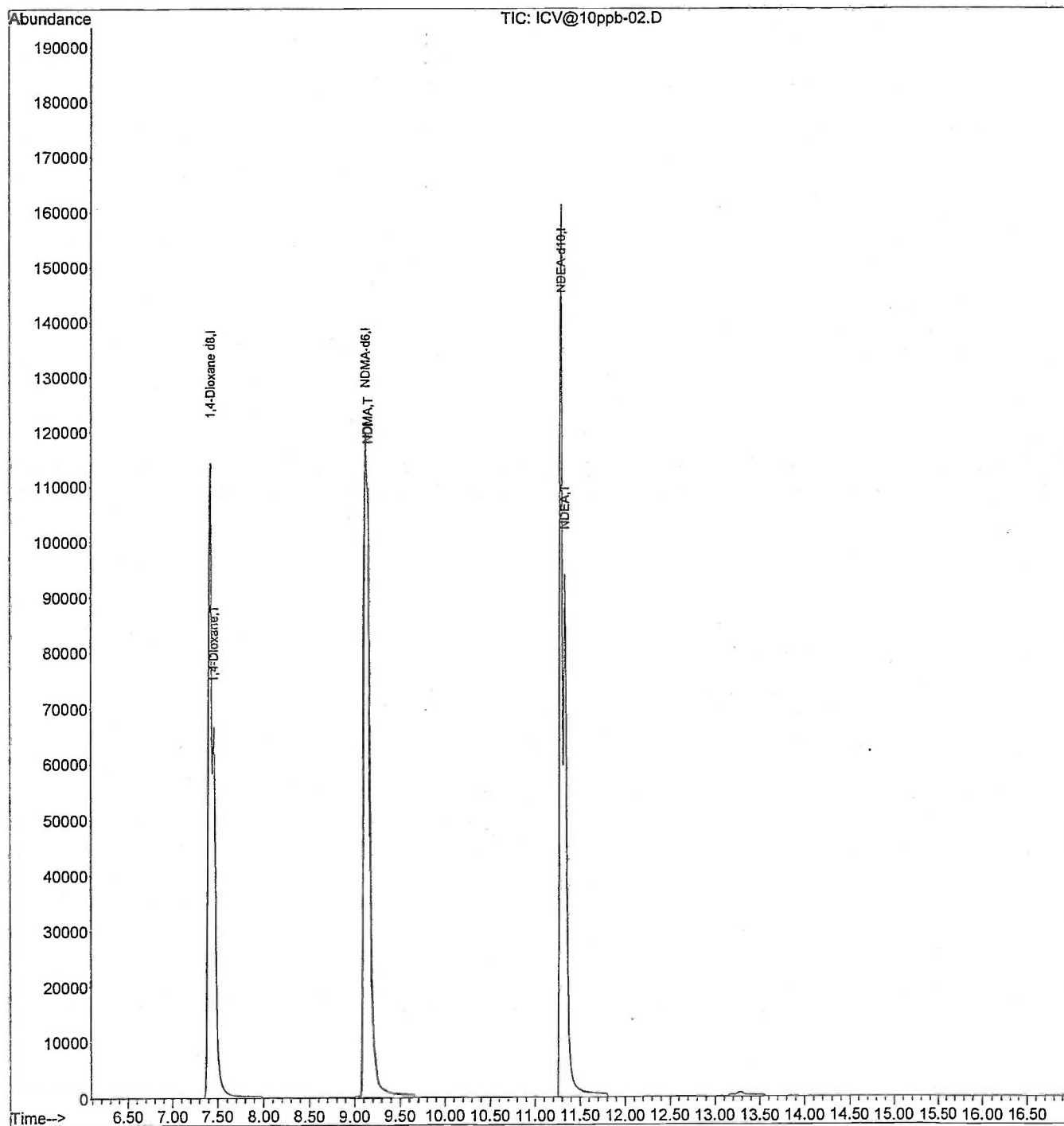
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Data File : 10-17-12_11.D
Acq On : 17 Oct 2012 6:56 pm
Operator : QN
Sample : 312205-007
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 17 19:13:15 2012
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title :
QLast Update : Wed May 05 16:21:01 2010
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20121017\
Data File : ICV@10ppb-02.D
Acq On : 17 Oct 2012 7:22 pm
Operator : QN
Sample : ICV@10ppb
Misc : W-6204
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Oct 18 15:20:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title :
QLast Update : Wed May 05 16:21:01 2010
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20121017\
Data File : ICV@10ppb-02.D
Acq On : 17 Oct 2012 7:22 pm
Operator : QN
Sample : ICV@10ppb
Misc : W-6204
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Oct 18 15:20:29 2012
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title :
QLast Update : Wed May 05 16:21:01 2010
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane d8	7.41	96	1898343	20.00	ug/L	-0.17
3) NDMA-d6	9.11	80	2902619	20.00	ug/L	-0.18
5) NDEA-d10	11.29	112	2568711	20.00	ug/L	-0.18
Target Compounds						Qvalue
2) 1,4-Dioxane	7.46	88	911626	10.39	ug/L	98
4) NDMA	9.15	74	1234236	9.58	ug/L	99
6) NDEA	11.34	102	1251225	11.20	ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Calibration Status Report SVOA-MS1

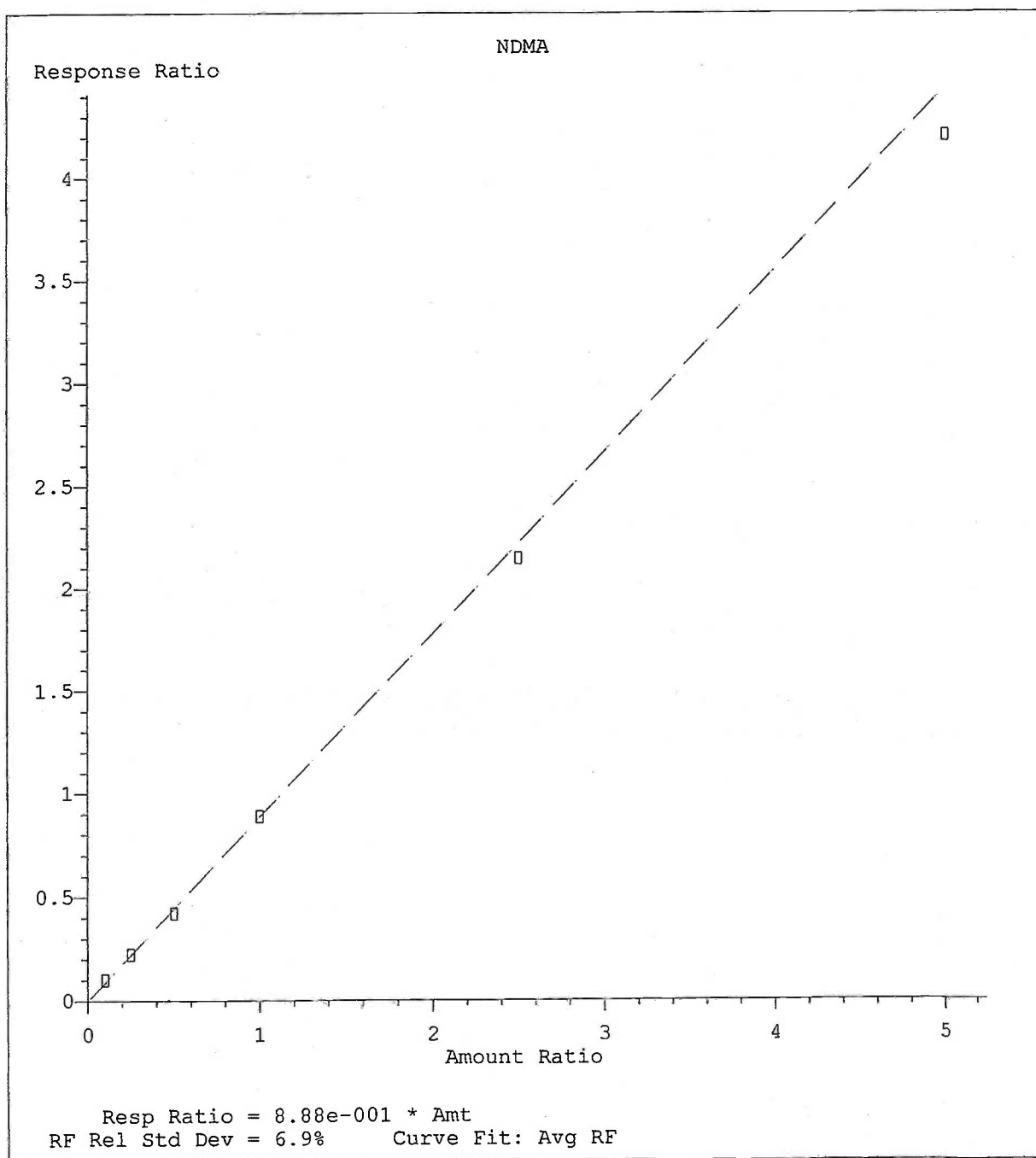
Method Path : C:\MSDCHEM\1\METHODS\
Method File : 1625_M_041311F2.M
Title :
Last Update : Wed May 05 16:21:01 2010
Response Via : Initial Calibration

#	ID	Conc	ISTD Conc	Path\File
1	1	2	20	C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20110413\cal1.D
2	2	5	20	C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08001.D
3	3	10	20	C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08002.D
4	4	20	20	C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08003.D
5	5	50	20	C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08004.D
6	6	100	20	C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\20090108\Jan08005.D

#	ID	Update Time	Quant Time	Acquisition Time
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2	2	Apr 13 15:17 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
3	3	Apr 13 15:17 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
4	4	Apr 13 15:18 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
5	5	Apr 13 15:20 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm
6	6	Apr 13 15:20 2011	Apr 13 14:59 2011	13 Apr 2011 12:42 pm

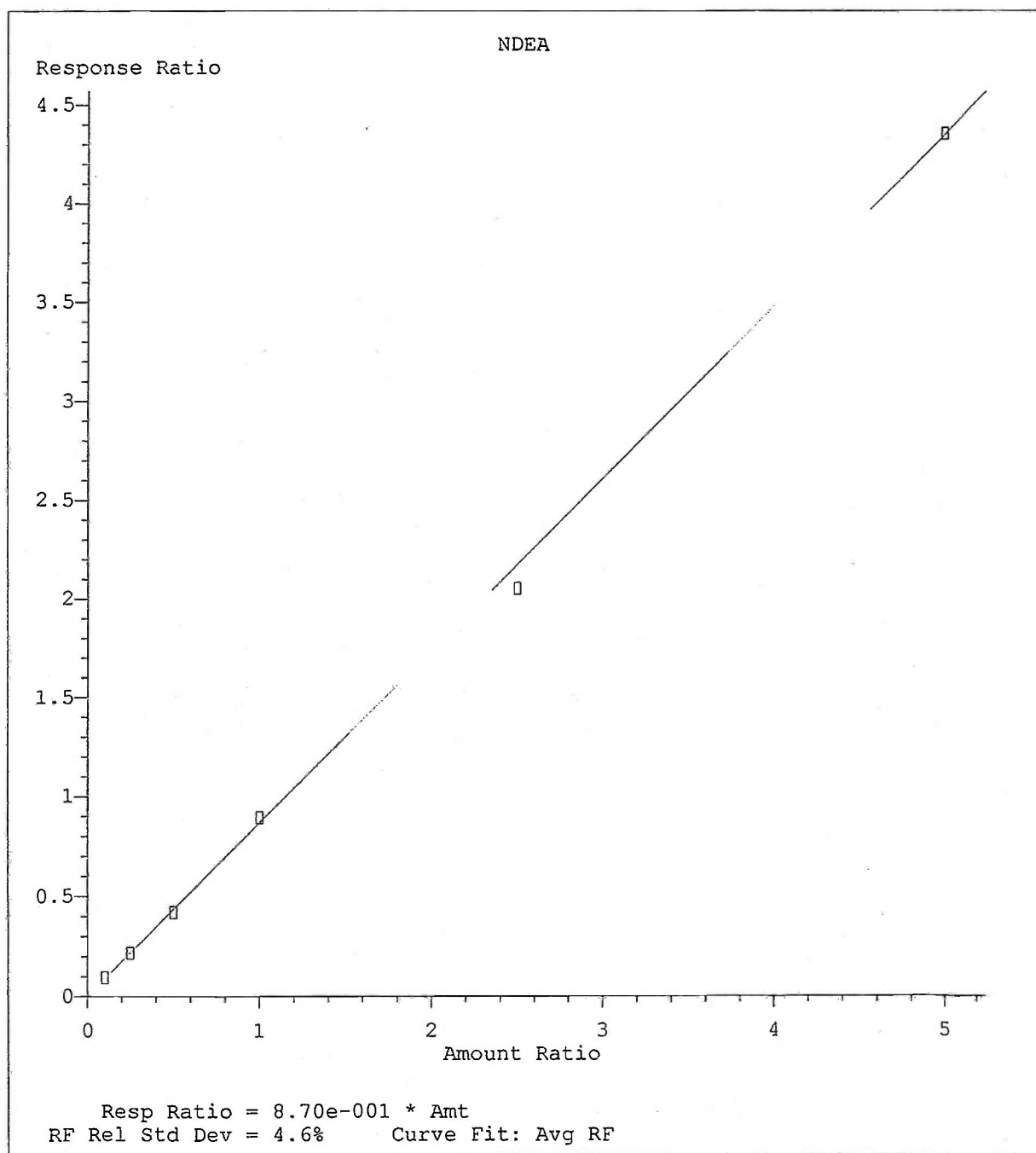
1625_M_041311F2.M Wed Oct 17 12:14:14 2012

ALAB: 00276



Method Name: C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Calibration Table Last Updated: Wed May 05 16:21:01 2010

ALAB: 00277

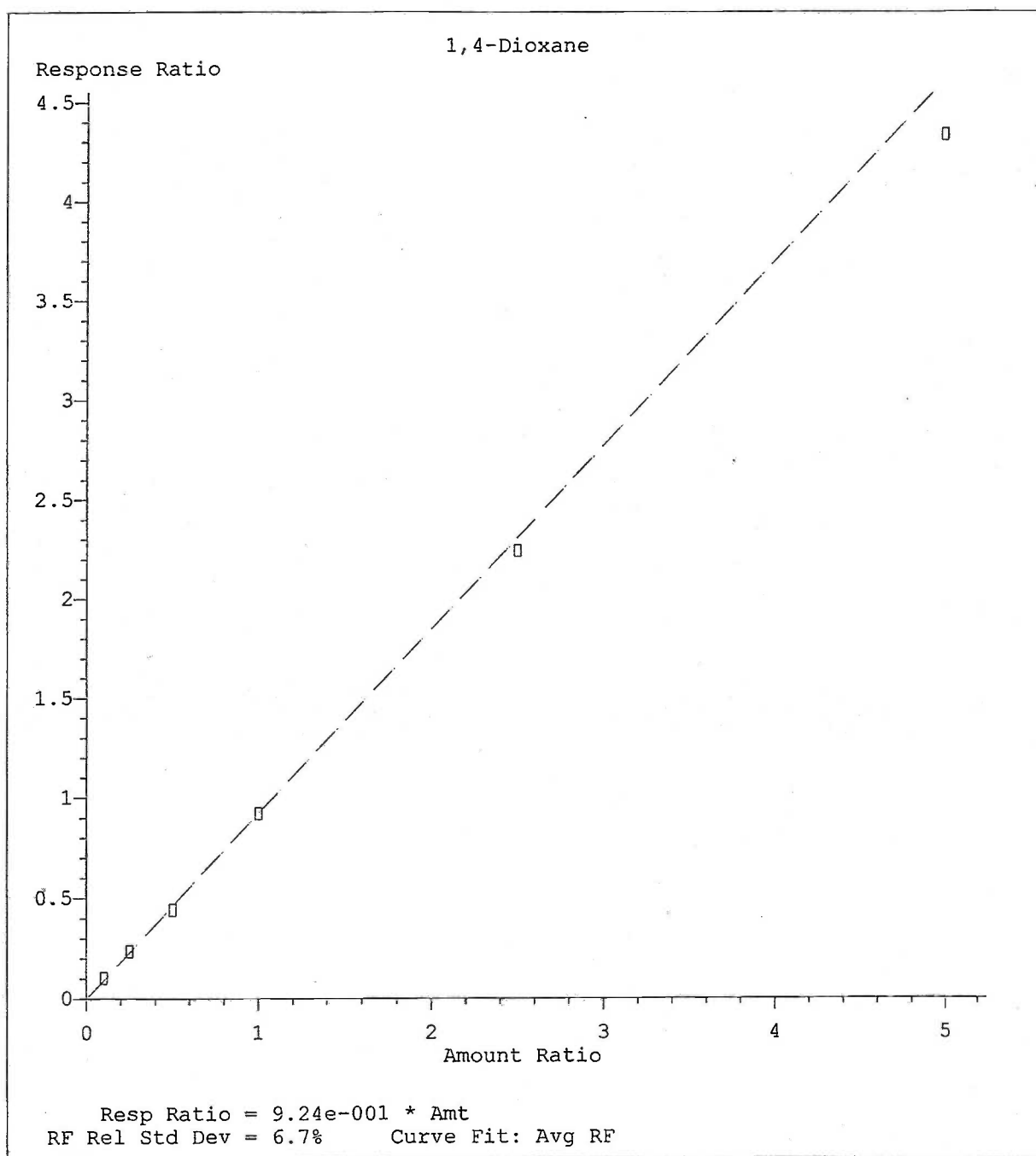


Method Name: C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Calibration Table Last Updated: Wed May 05 16:21:01 2010

ALAB: 00278

CONFIDENTIAL

LMC-PET-00002177



Method Name: C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Calibration Table Last Updated: Wed May 05 16:21:01 2010

ALAB: 00279

CONFIDENTIAL

LMC-PET-00002178

Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\z2009_8270M_Data\20090108\
Data File : Jan08008.D
Acq On : 8 Jan 2009 9:19 pm
Operator : SD
Sample : 1625_ICV-Old_10ppm
Misc : w-5133, Spike=10, IS=20
ALS Vial : 1 Sample Multiplier: 1

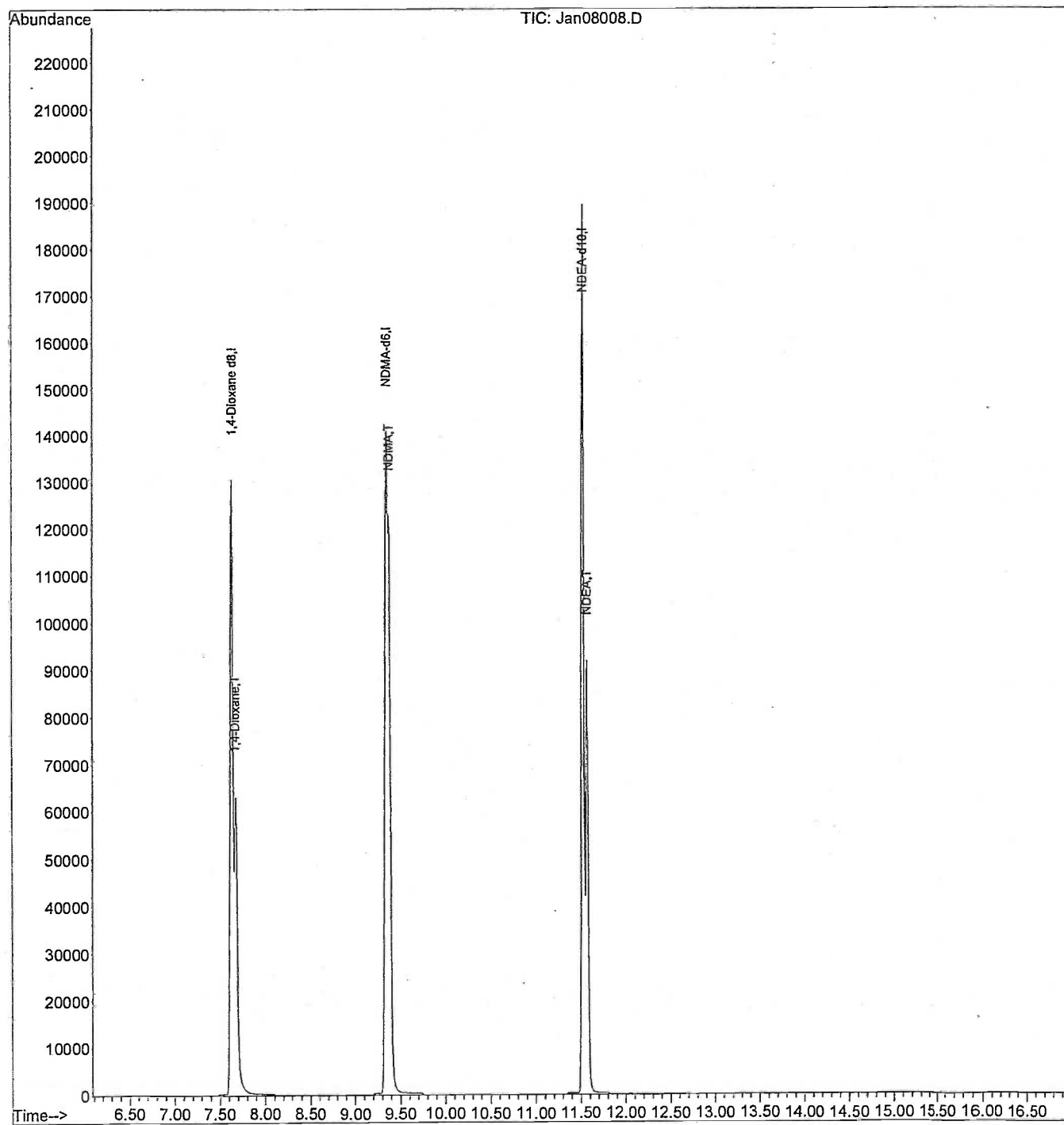
Quant Time: Jan 09 11:25:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_010809.M
Quant Title :
QLast Update : Fri Jan 09 10:23:29 2009
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane d8	7.63	96	1878033	20.00	ug/L	0.00
3) NDMA-d6	9.34	80	2920326	20.00	ug/L	0.00
5) NDEA-d10	11.52	112	2501029	20.00	ug/L	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	7.68	88	843346	9.72	ug/L	100
4) NDMA	9.38	74	1289108	9.94	ug/L	99
6) NDEA	11.57	102	1132556	10.41	ug/L	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\z2009_8270M_Data\20090108\
Data File : Jan08008.D
Acq On : 8 Jan 2009 9:19 pm
Operator : SD
Sample : 1625_ICV-Old_10ppm
Misc : w-5133, Spike=10, IS=20
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jan 09 11:25:24 2009
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_010809.M
Quant Title :
QLast Update : Fri Jan 09 10:23:29 2009
Response via : Initial Calibration



Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\z2011_8270M_Data\20110413\
Data File : Apr13-CCV1.D
Acq On : 13 Apr 2011 5:54 pm
Operator : QN
Sample : ICV@10ppb
Misc : w-5913
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 14 12:32:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title : 1ppm_method
QLast Update : Wed Apr 13 15:21:31 2011
Response via : Initial Calibration

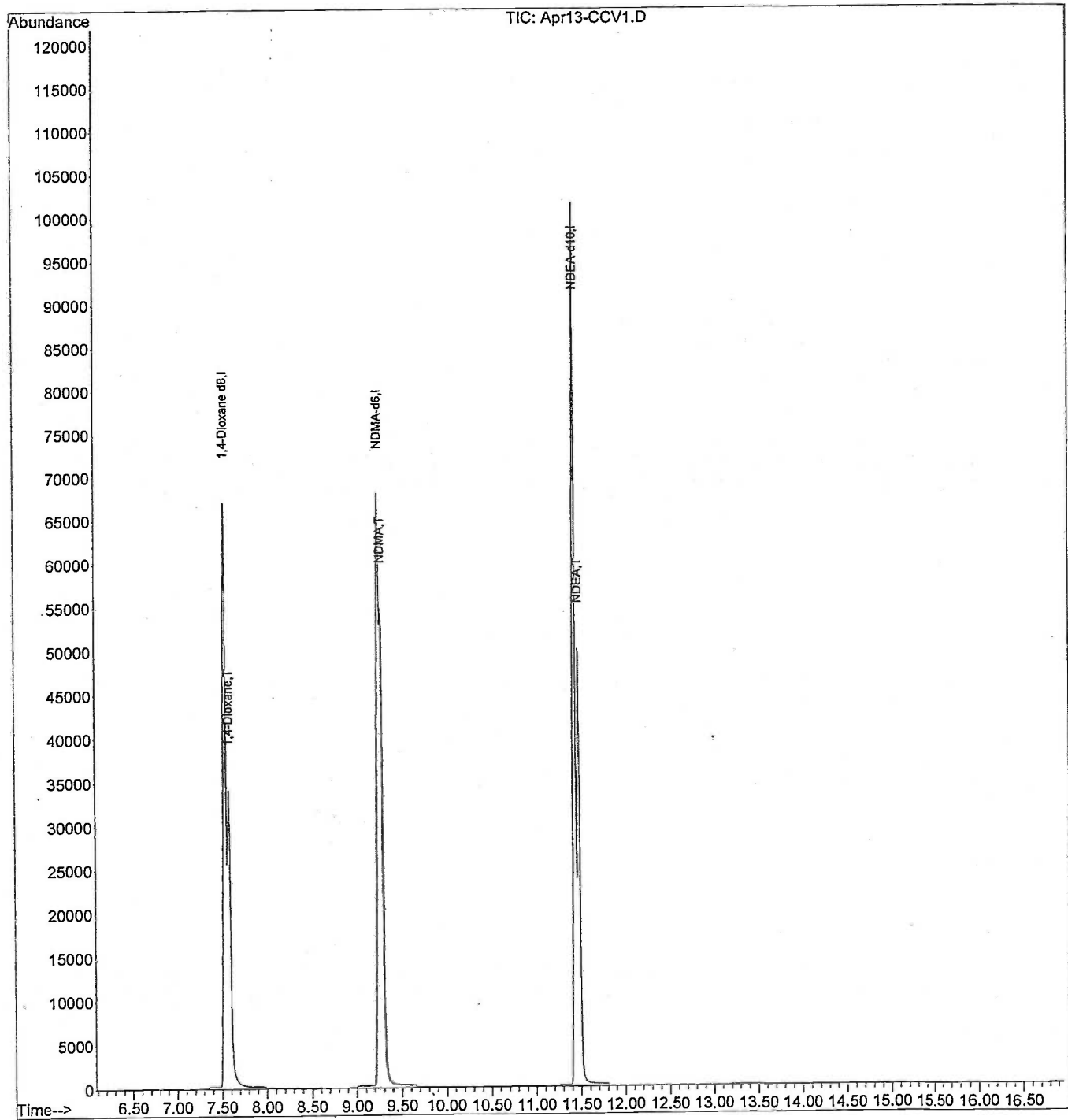
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dioxane d8	7.53	96	1010029	20.00	ug/L	-0.04
3) NDMA-d6	9.25	80	1395845	20.00	ug/L	-0.04
5) NDEA-d10	11.44	112	1411218	20.00	ug/L	-0.03

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	7.58	88	462323	9.92	ug/L	92
4) NDMA	9.29	74	650596	10.19	ug/L #	79
6) NDEA	11.48	102	662698	10.48	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : C:\MSDCHEM\1\DATA\NDMA_1_4_Dioxane\z2011_8270M_Data\20110413\
Data File : Apr13-CCV1.D
Acq On : 13 Apr 2011 5:54 pm
Operator : QN
Sample : ICV@10ppb
Misc : w-5913
ALS Vial : 100 Sample Multiplier: 1

Quant Time: Apr 14 12:32:42 2011
Quant Method : C:\MSDCHEM\1\METHODS\1625_M_041311F2.M
Quant Title : 1ppm_method
QLast Update : Wed Apr 13 15:21:31 2011
Response via : Initial Calibration



1625_M_041311F2.M Wed Oct 17 12:21:22 2012

Page: 2

ALAB: 00283

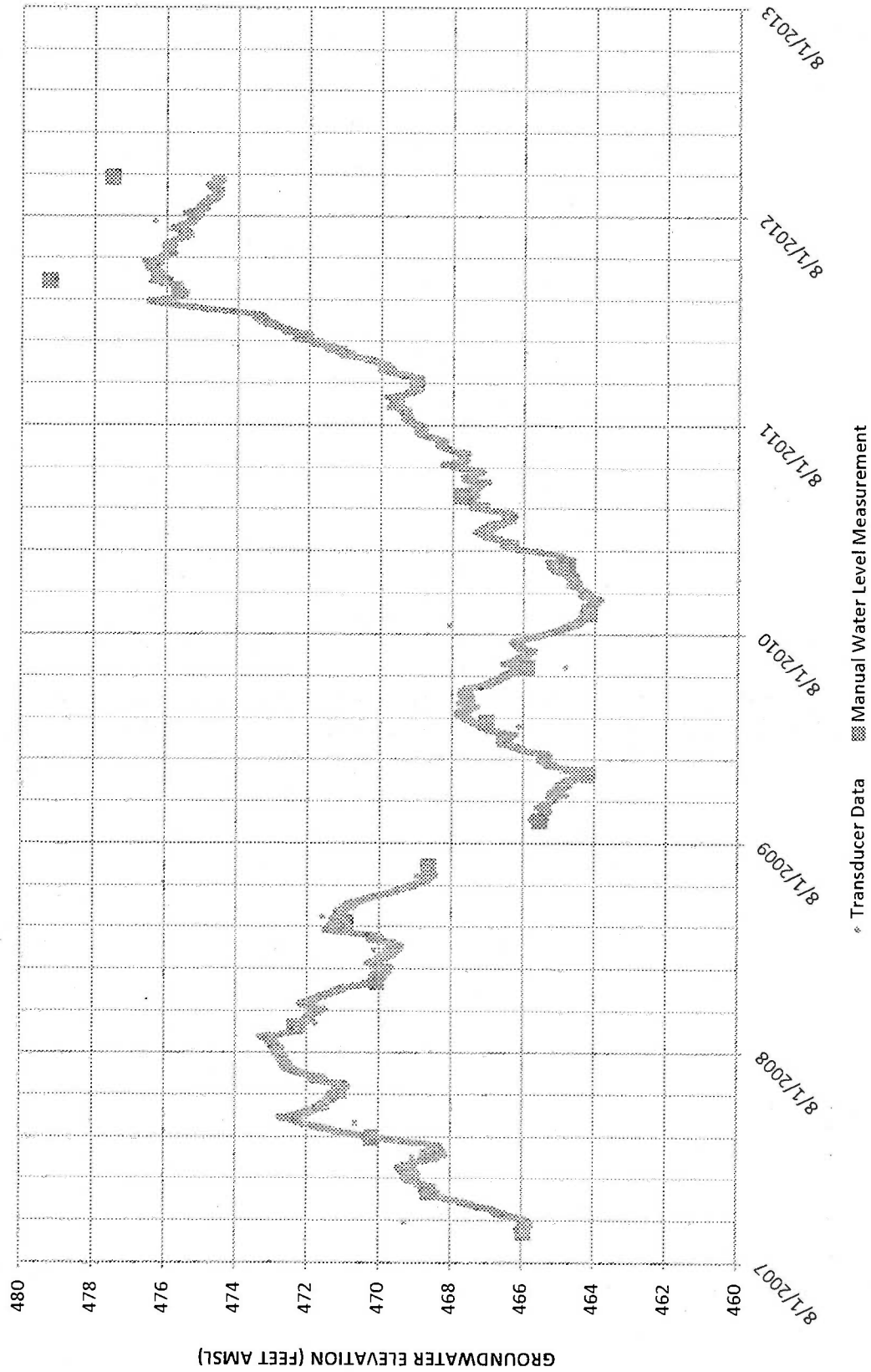
CONFIDENTIAL

LMC-PET-00002182

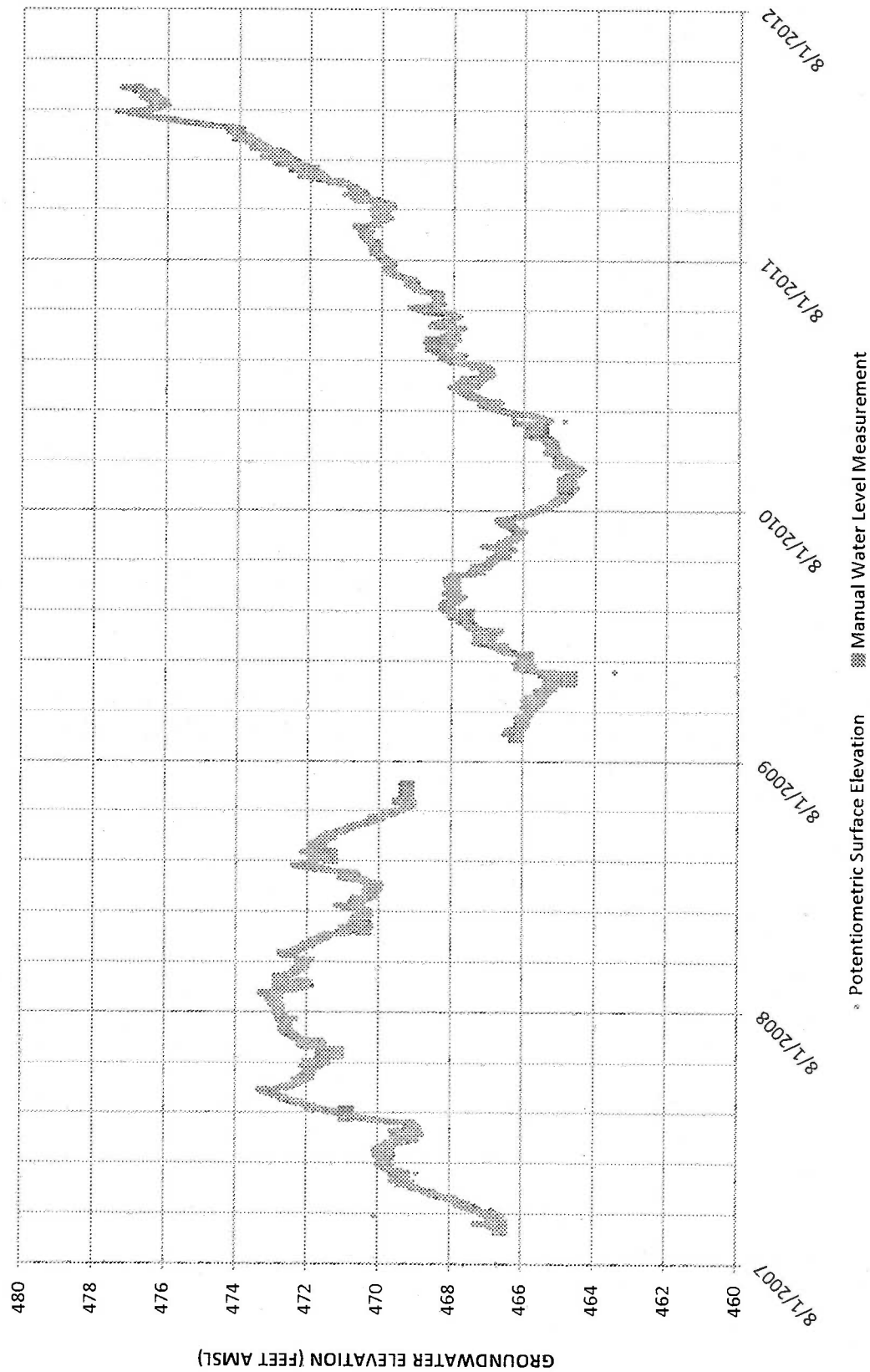
Appendix E

Hydrographs for Wells with Transducers

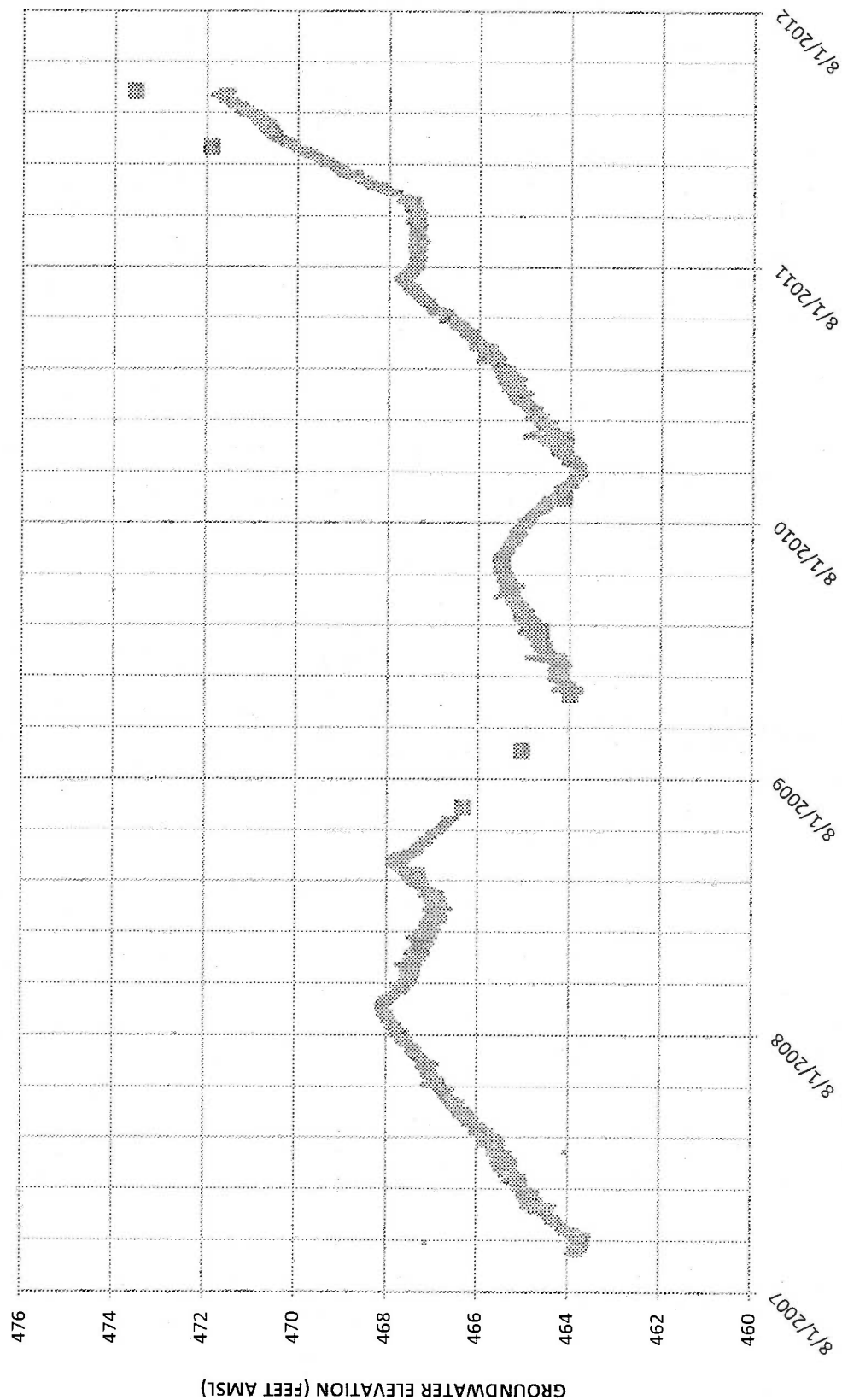
3851M TIME SERIES HYDROGRAPH
WT HSU
BOU-Lockheed Martin



3851N TIME SERIES HYDROGRAPH
B HSU
BOU-Lockheed Martin



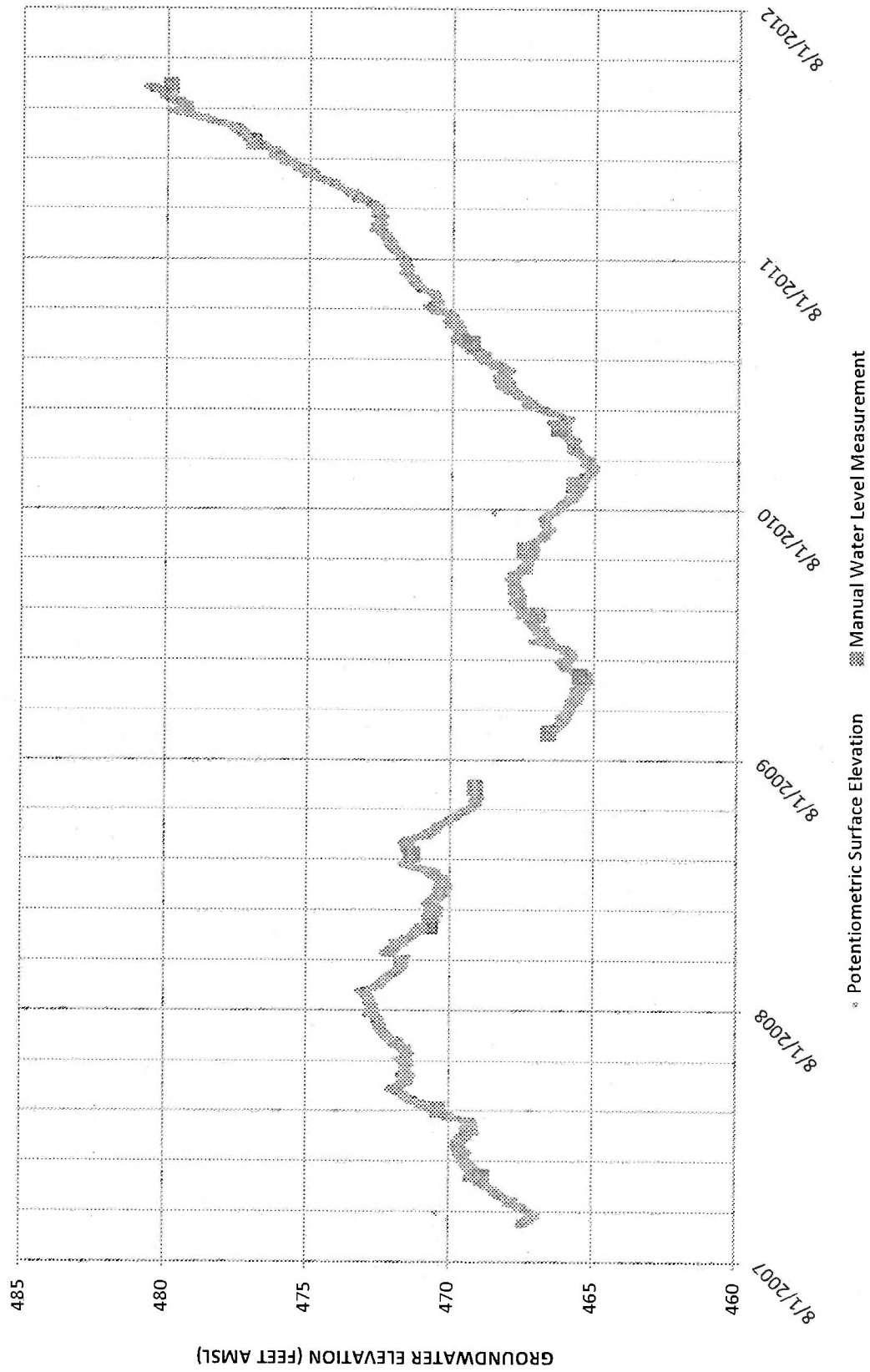
3852G TIME SERIES HYDROGRAPH
WT HSU
BOU-Lockheed Martin



3852K TIME SERIES HYDROGRAPH

WT HSU

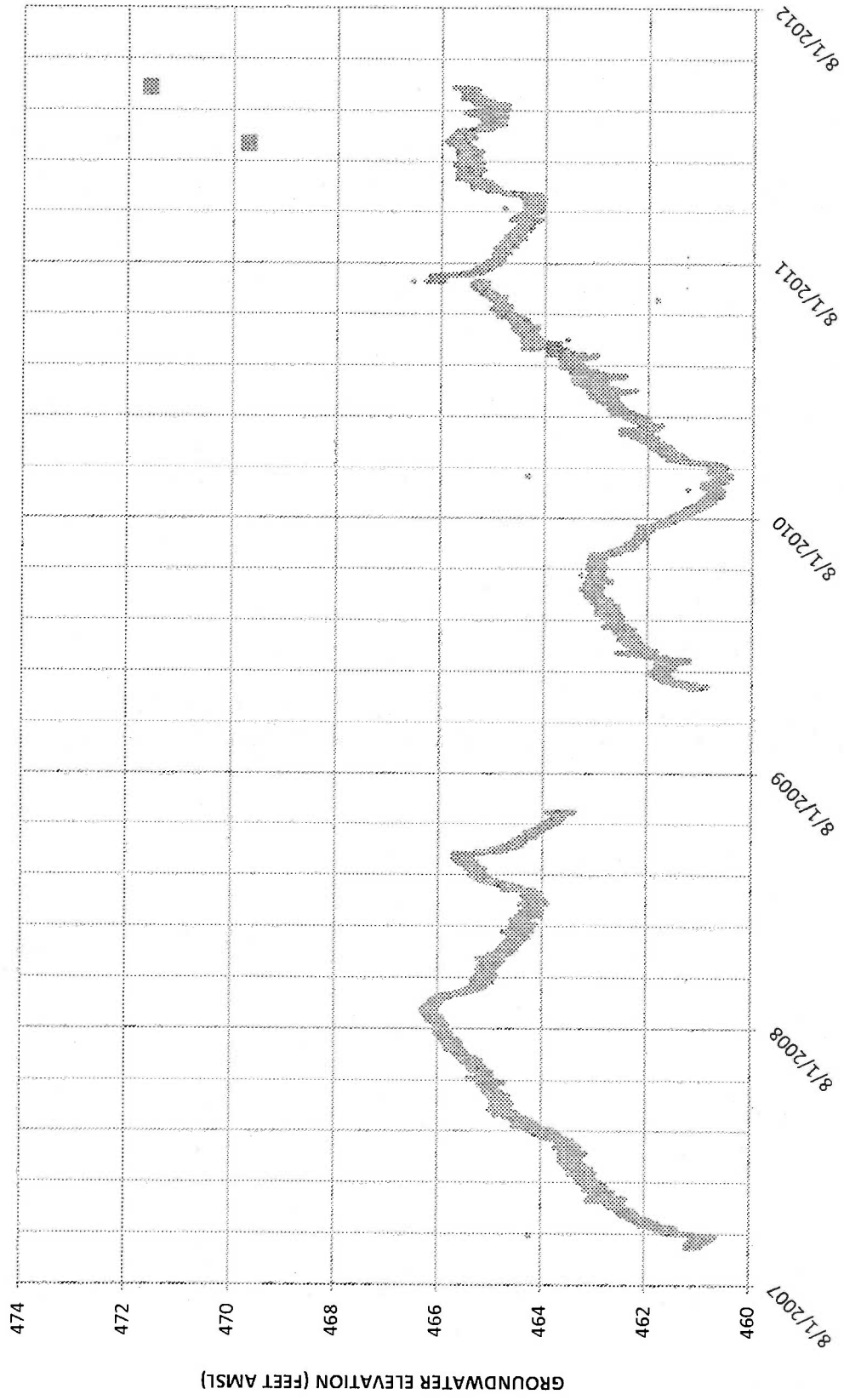
BOU-Lockheed Martin



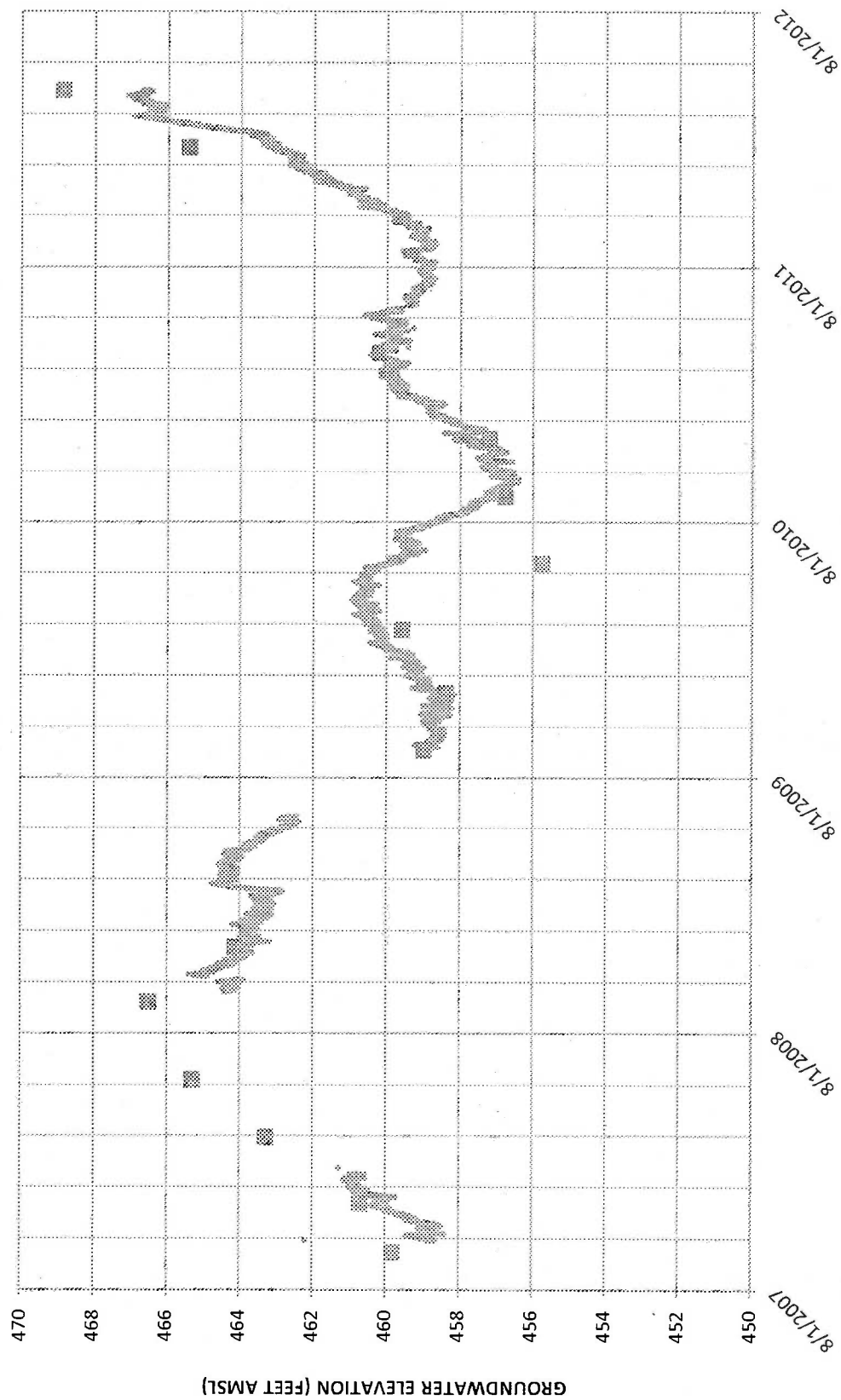
3852M TIME SERIES HYDROGRAPH

WT HSU

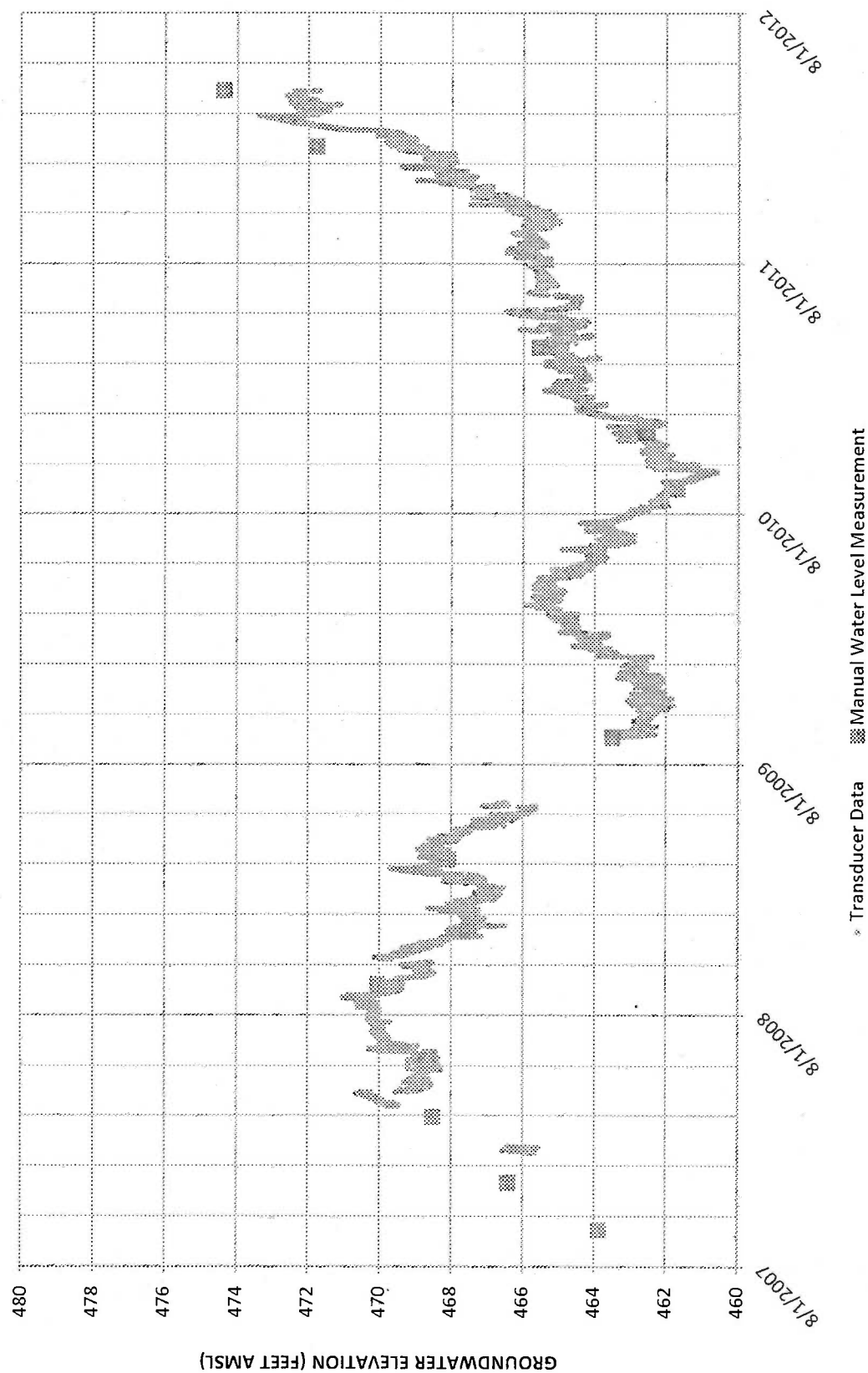
BOU-Lockheed Martin



3861D TIME SERIES HYDROGRAPH
WT HSU
BOU-Lockheed Martin



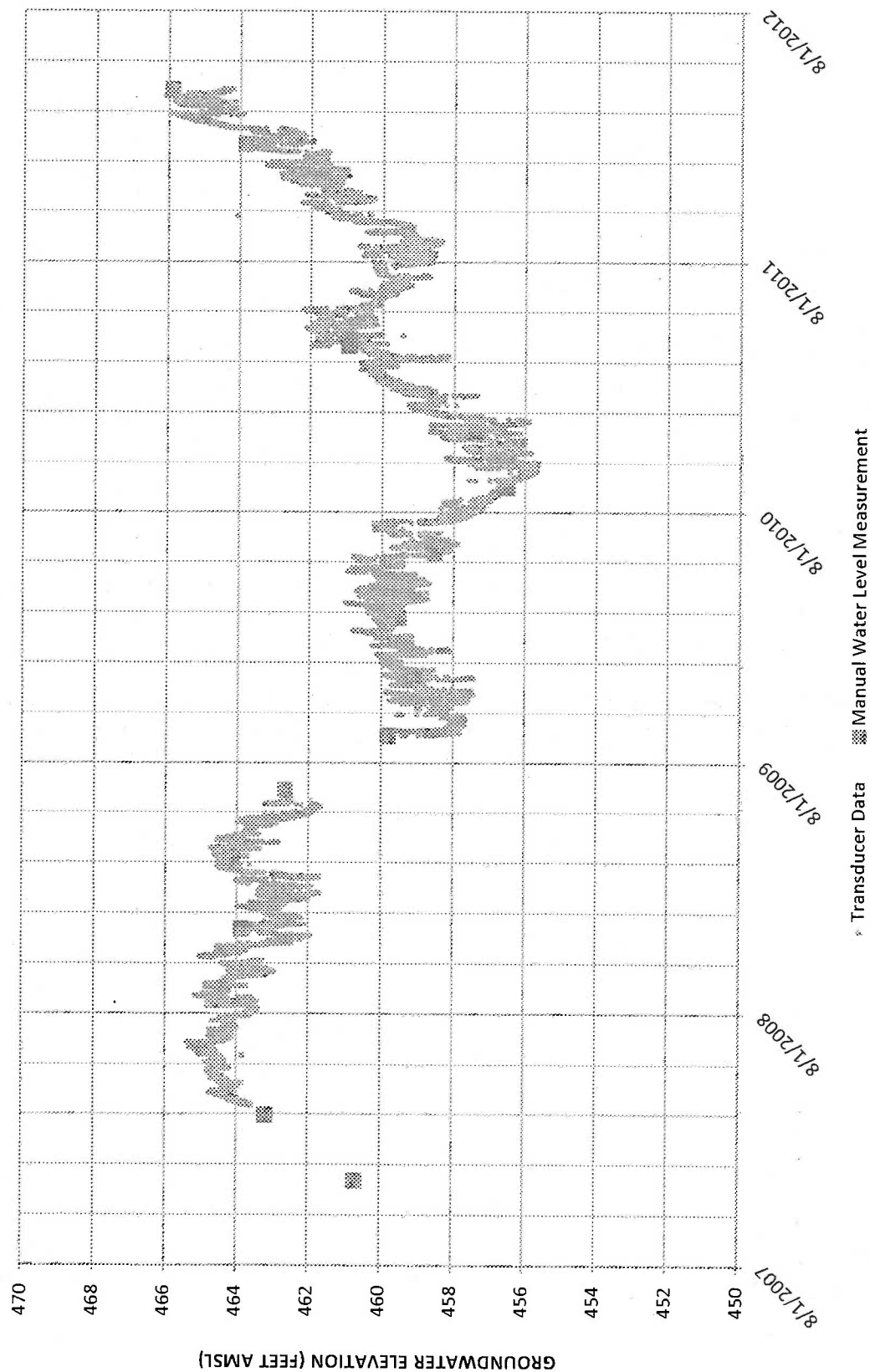
3861F TIME SERIES HYDROGRAPH
B HSU
BOU-Lockheed Martin



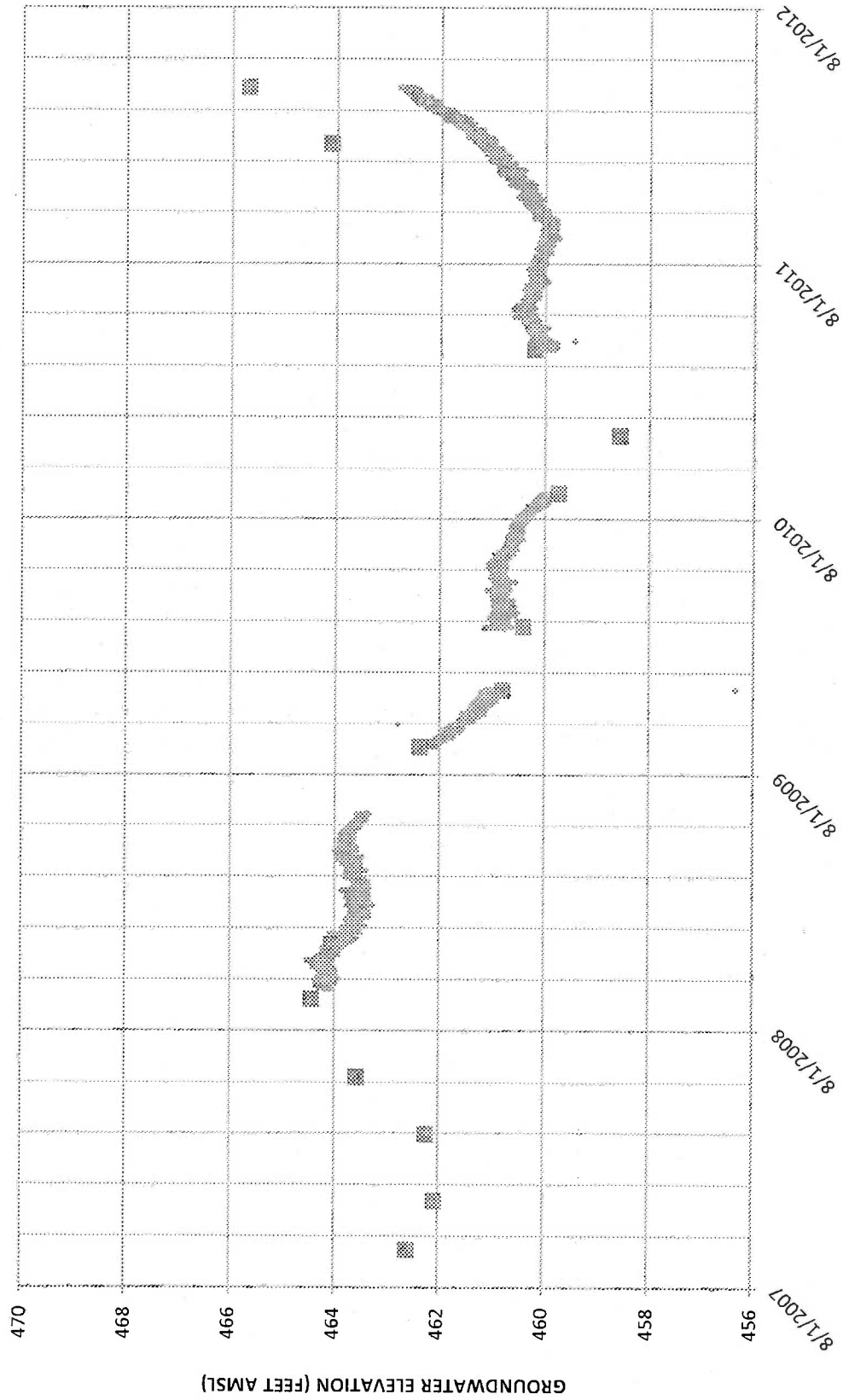
BOU-Lockheed Martin



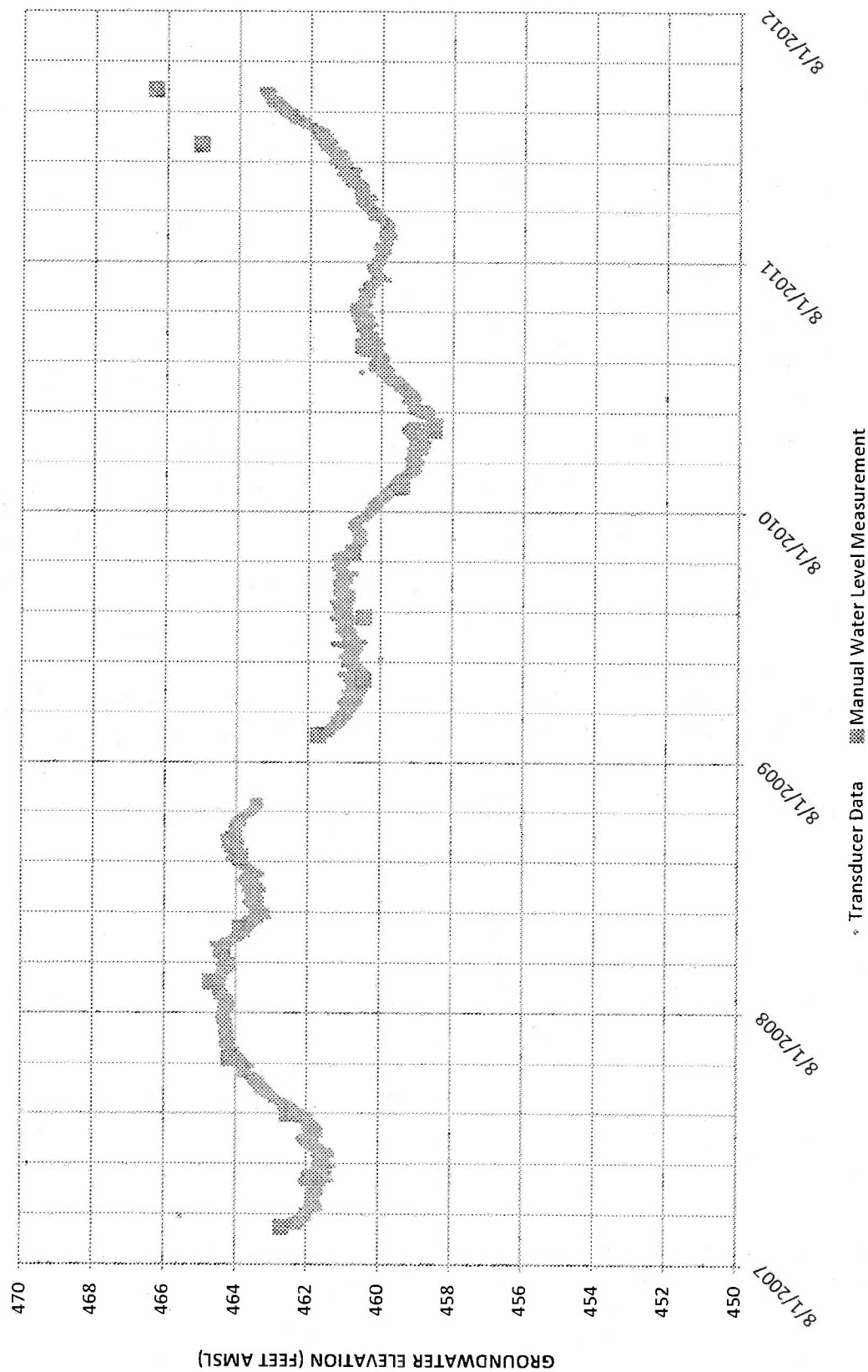
3871H TIME SERIES HYDROGRAPH
WT HSU
BOU-Lockheed Martin



3872K TIME SERIES HYDROGRAPH
WT HSJ
BOU-Lockheed Martin



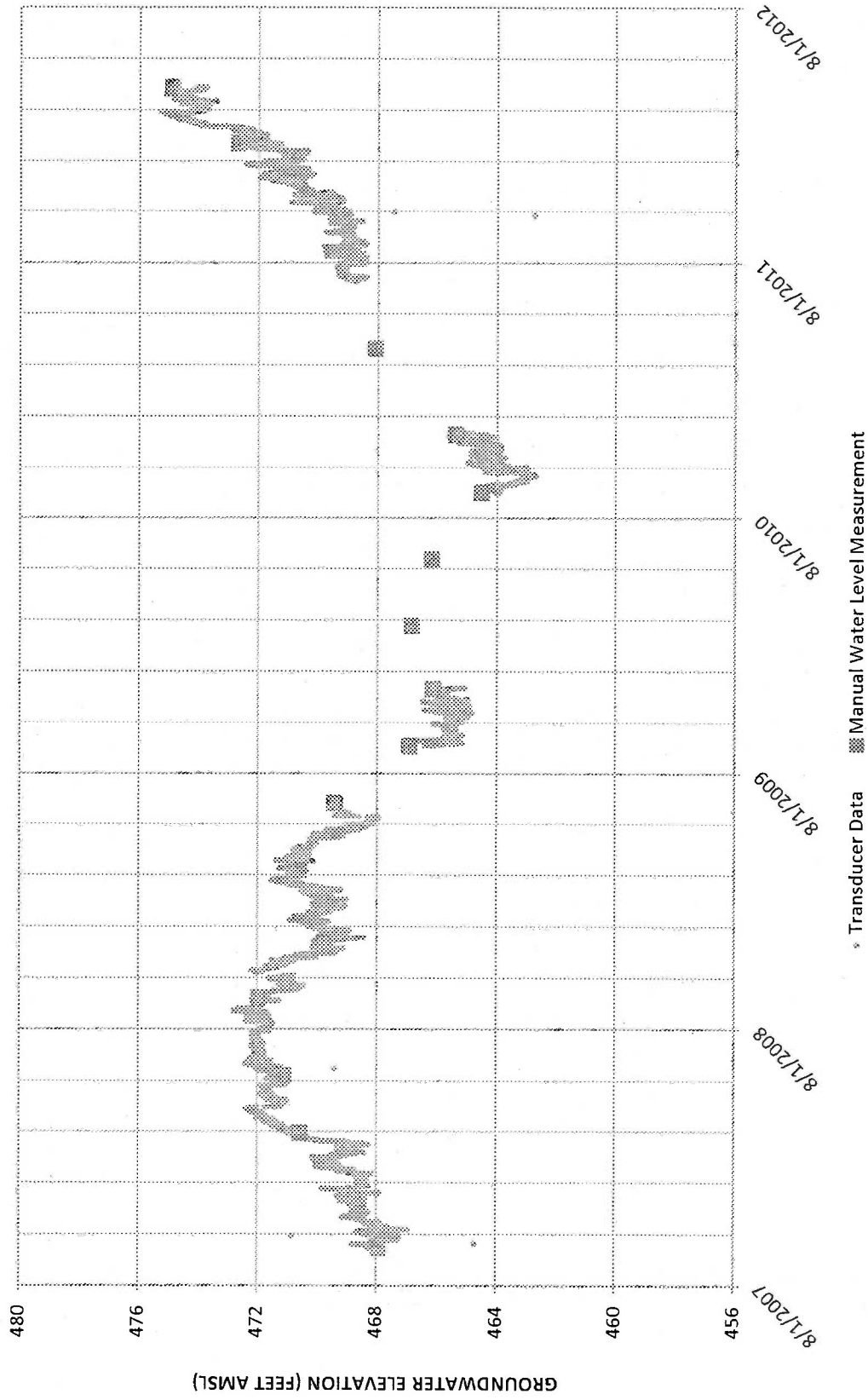
3872Q TIME SERIES HYDROGRAPH
WT HSU
BOU-Lockheed Martin



B-1-CW20 TIME SERIES HYDROGRAPH

B HSU

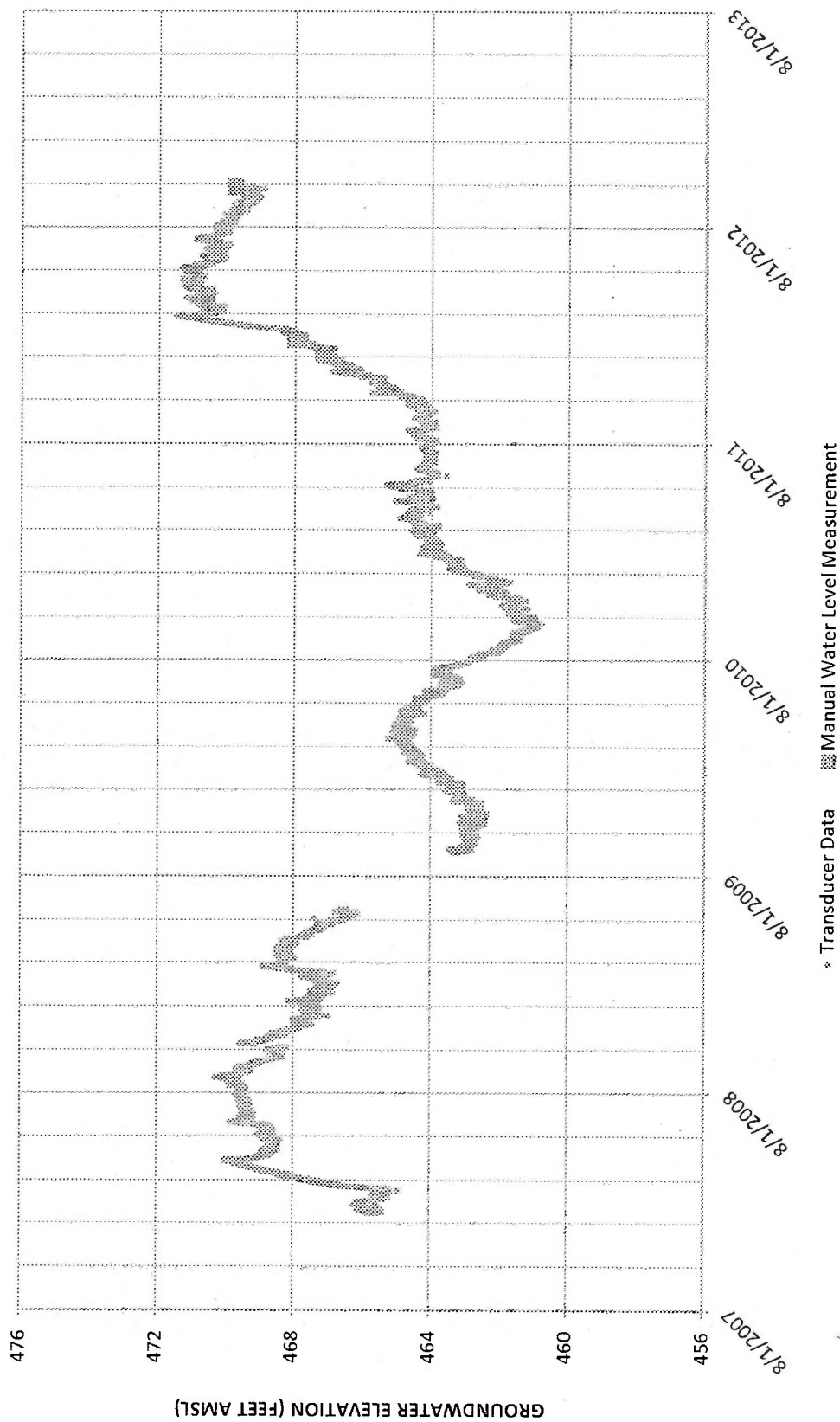
BOU-Lockheed Martin



PW-01 TIME SERIES HYDROGRAPH

WT HSU

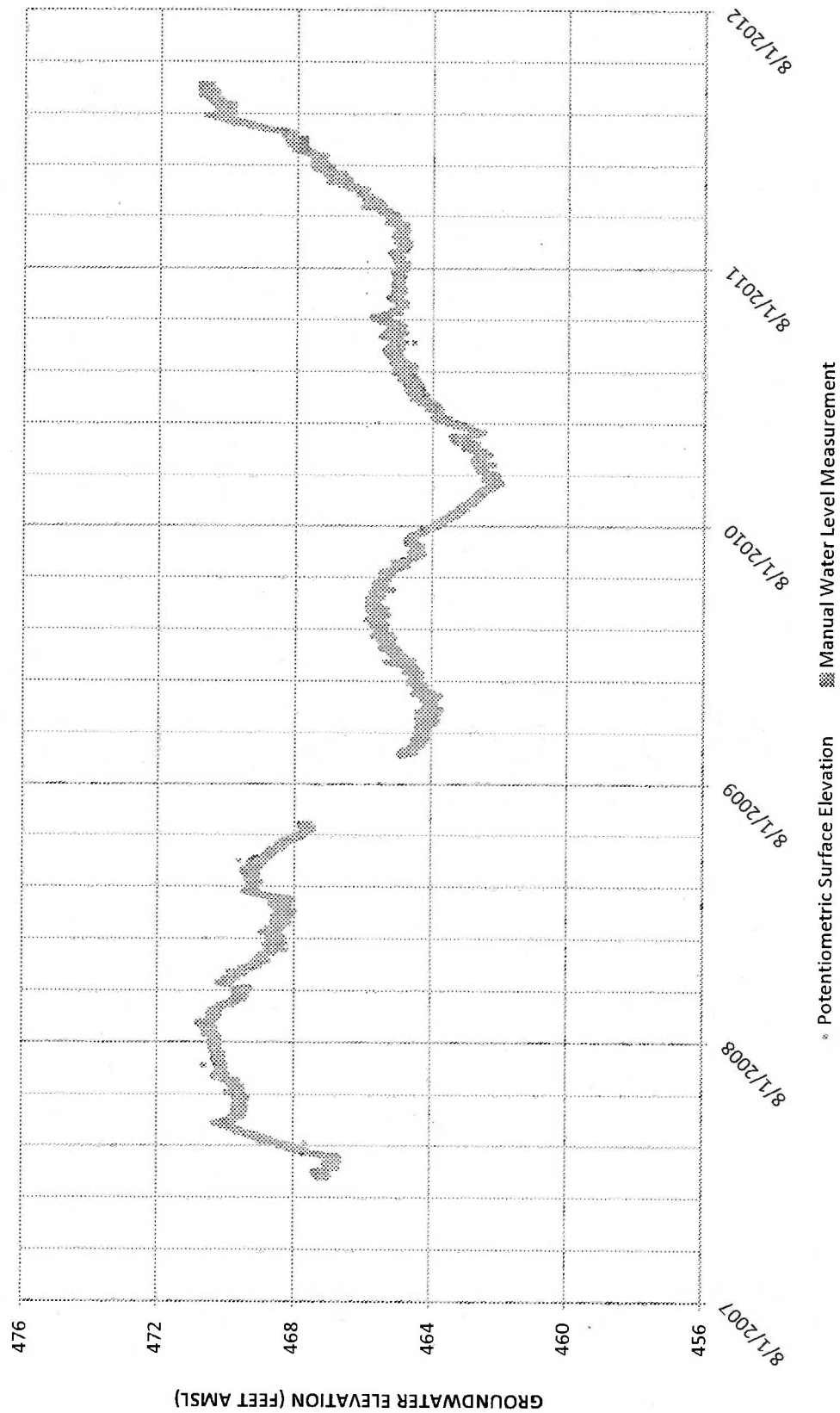
BOU-Lockheed Martin



PW-02 TIME SERIES HYDROGRAPH

WT HSU

BOU-Lockheed Martin



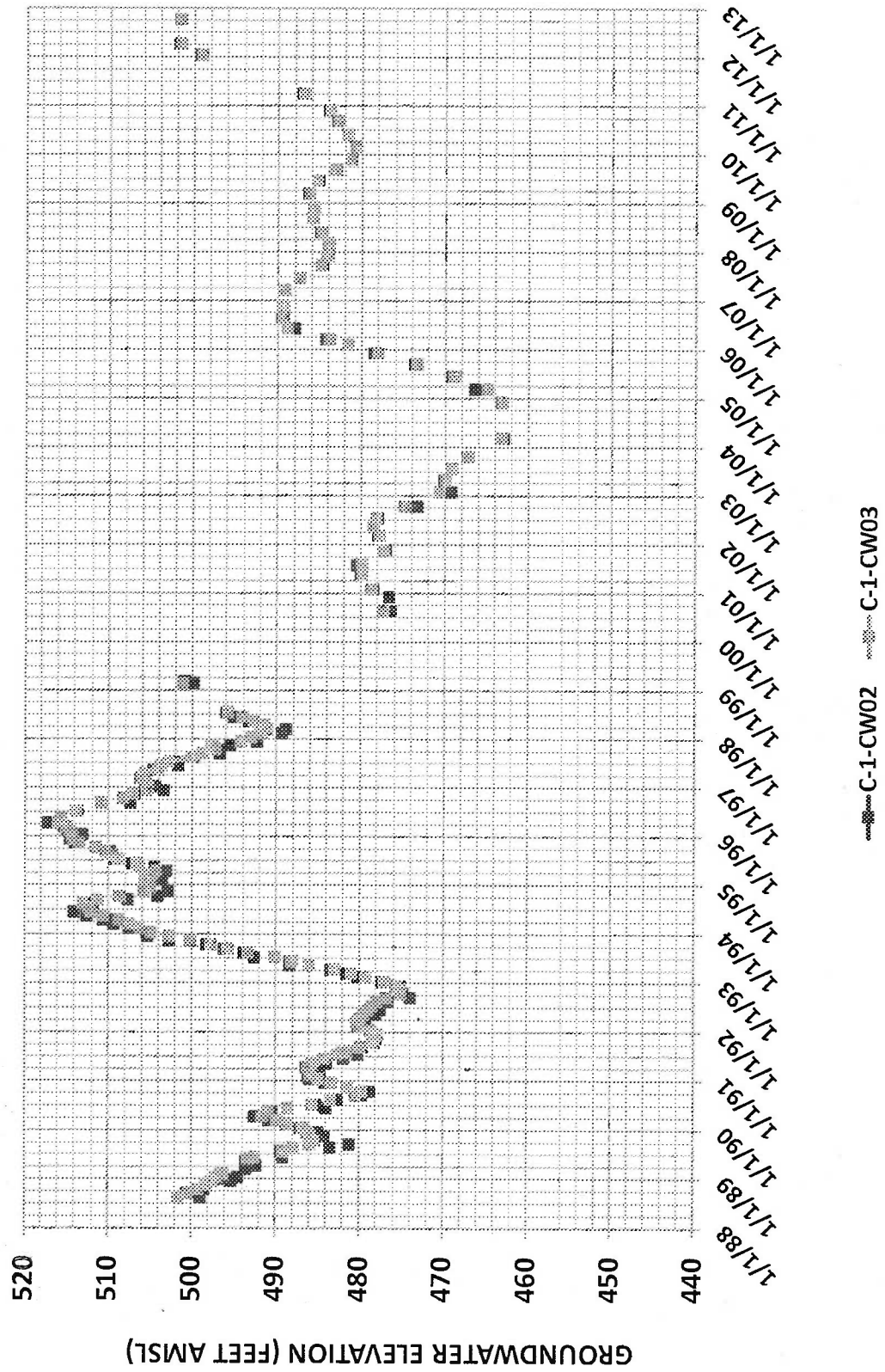
Appendix F

Hydrographs for Manually Gauged Wells

TIME SERIES HYDROGRAPH

Group 1

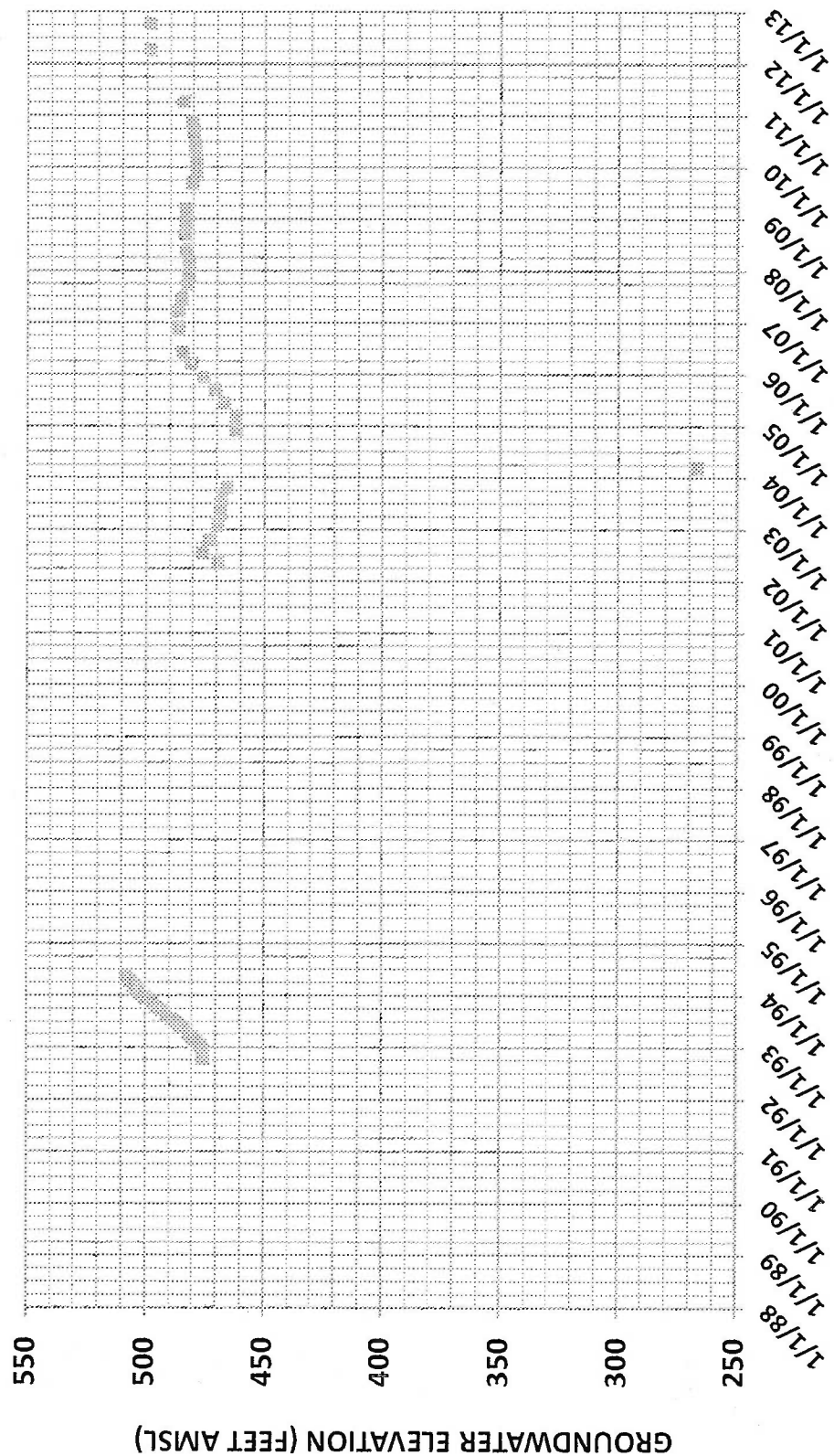
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 2

BOU-Lockheed Martin

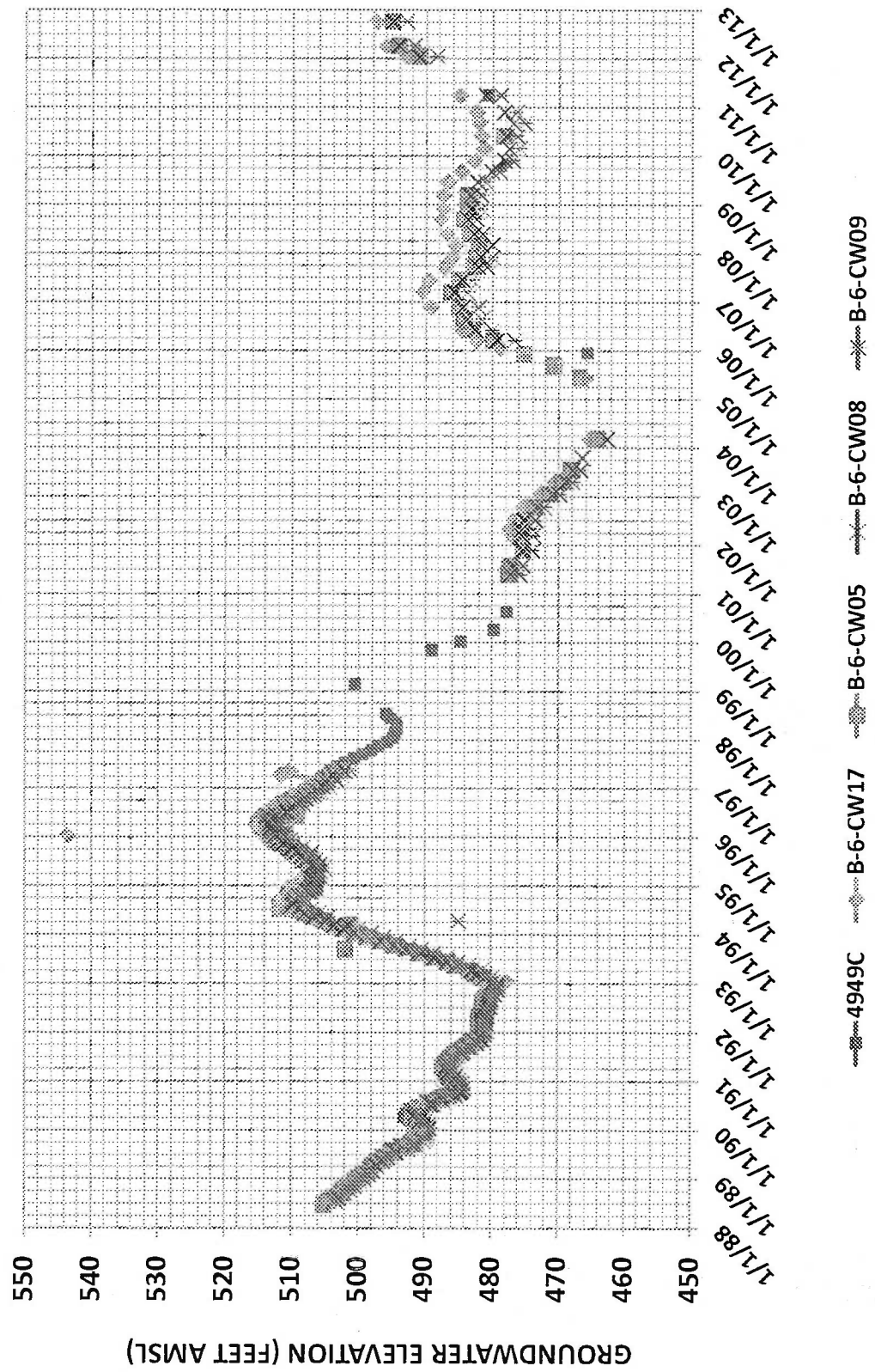


C-1-CW08

TIME SERIES HYDROGRAPH

Group 3

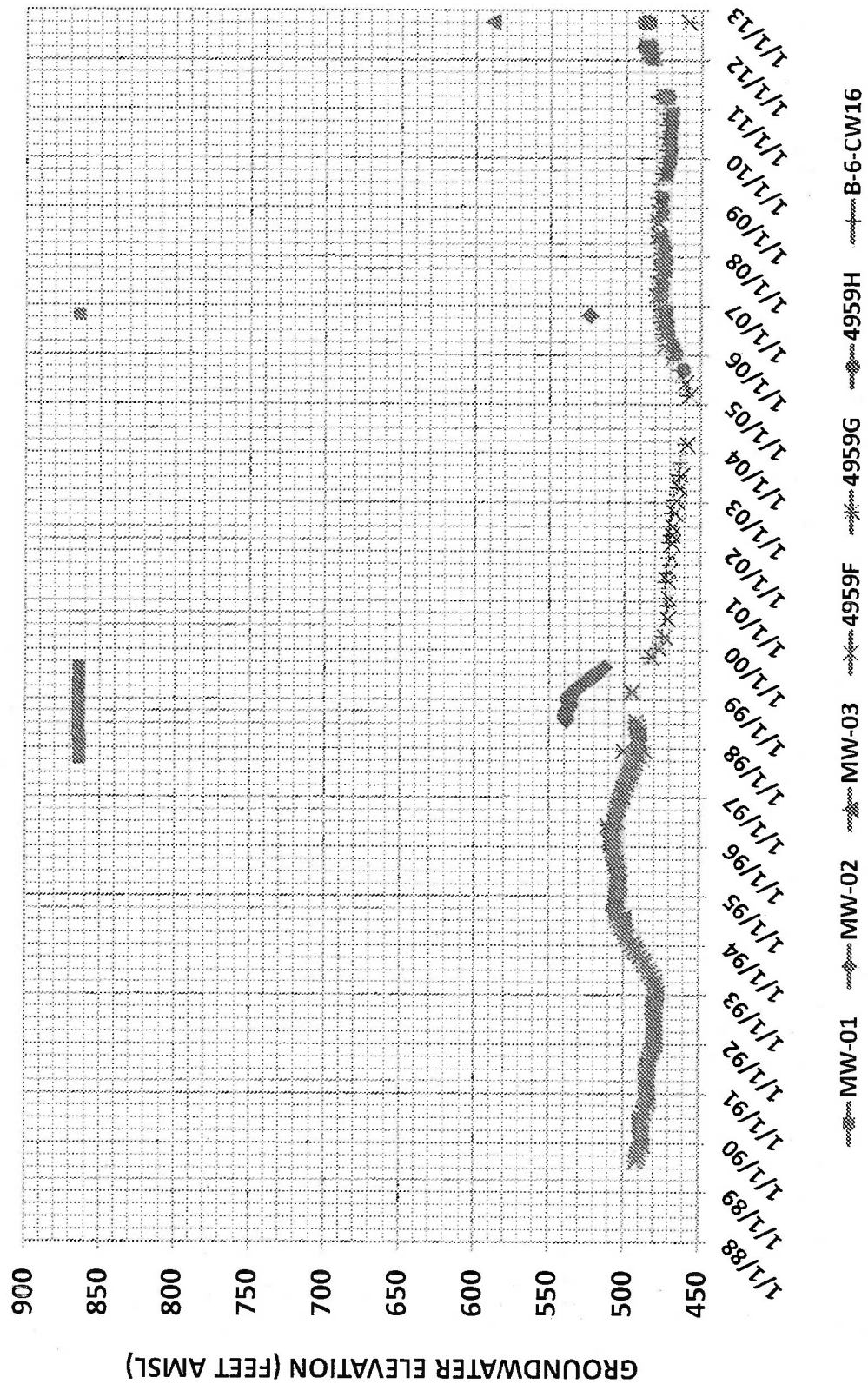
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 4

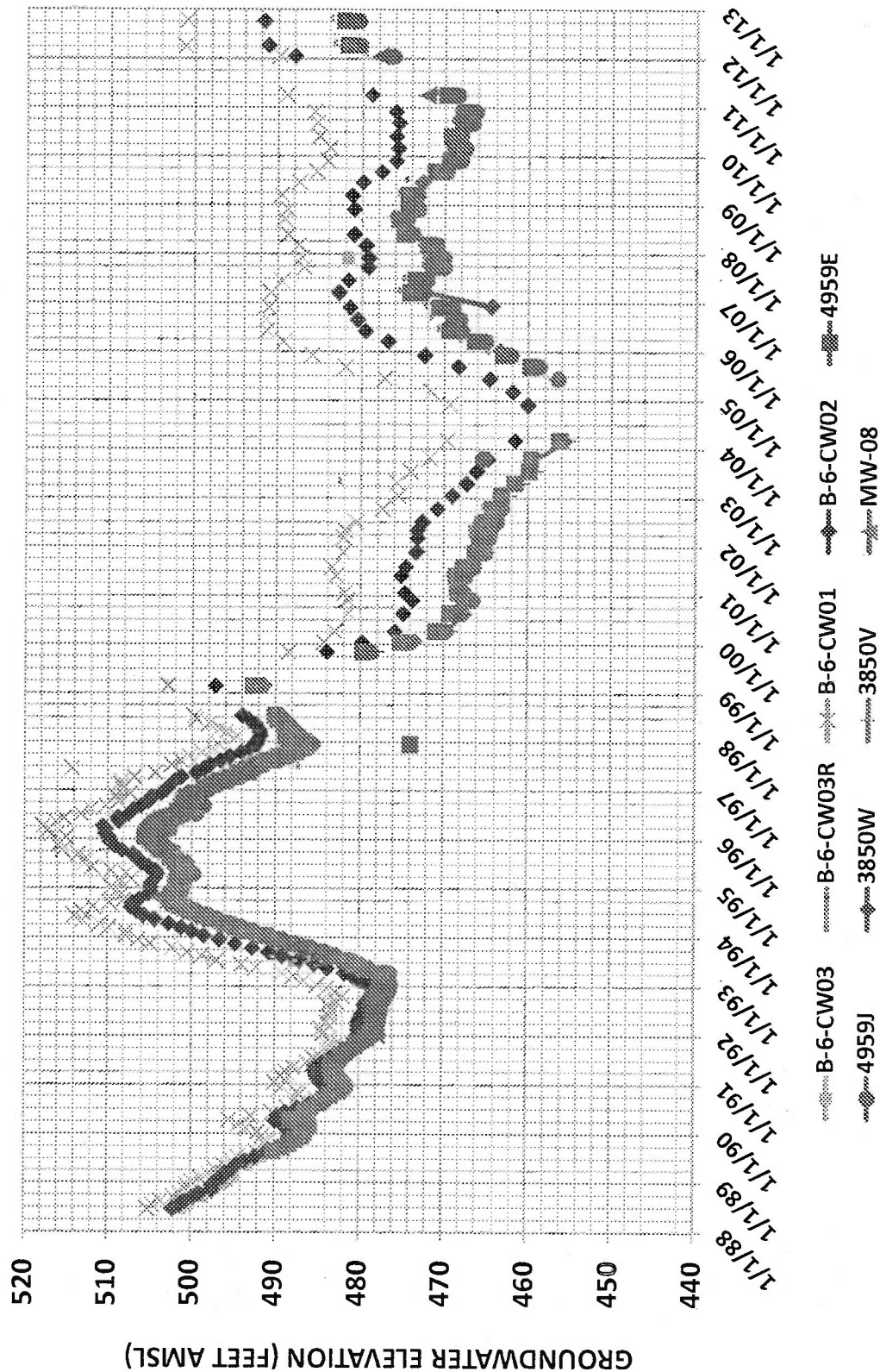
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 5

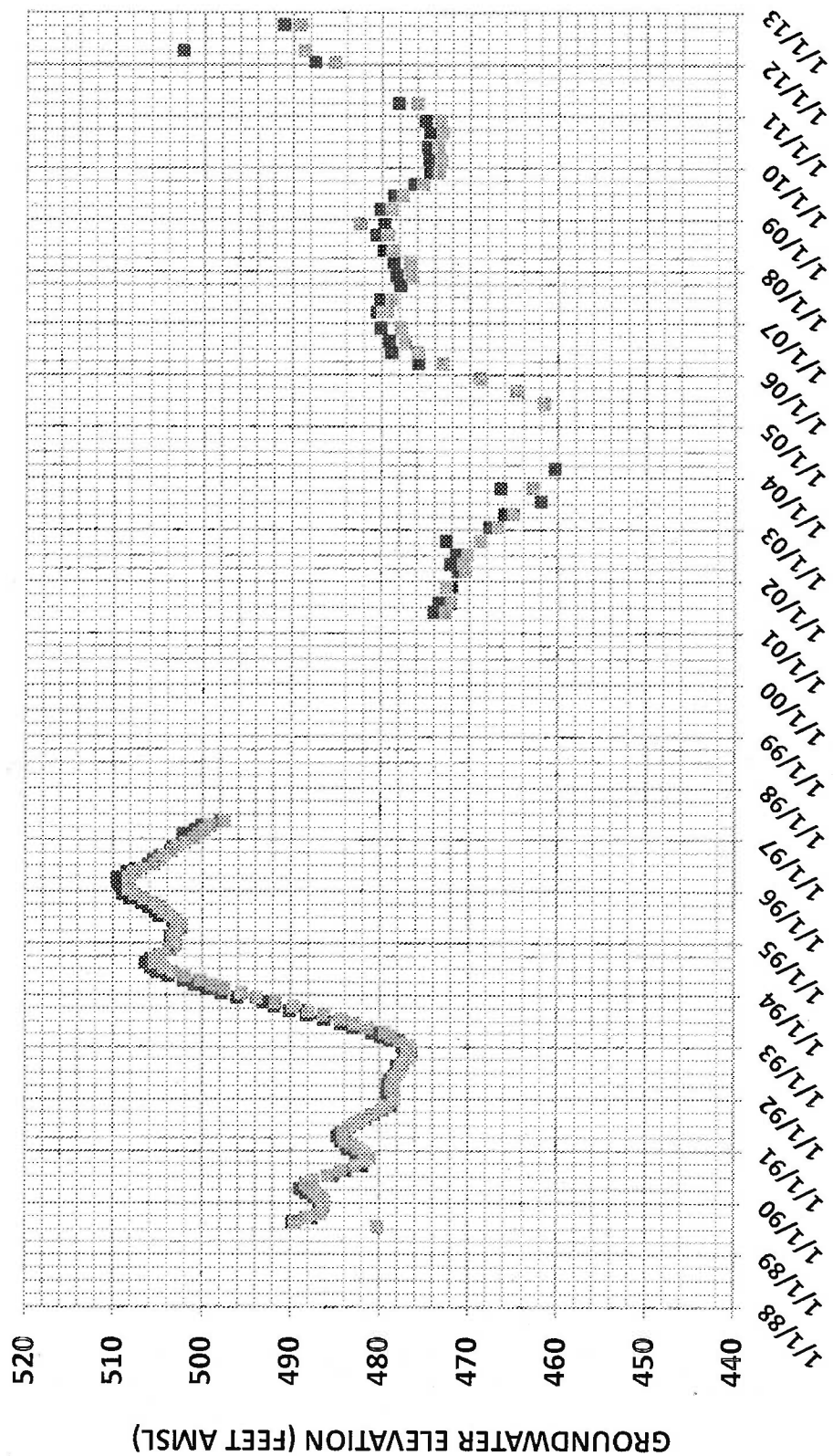
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 6

BOU-Lockheed Martin

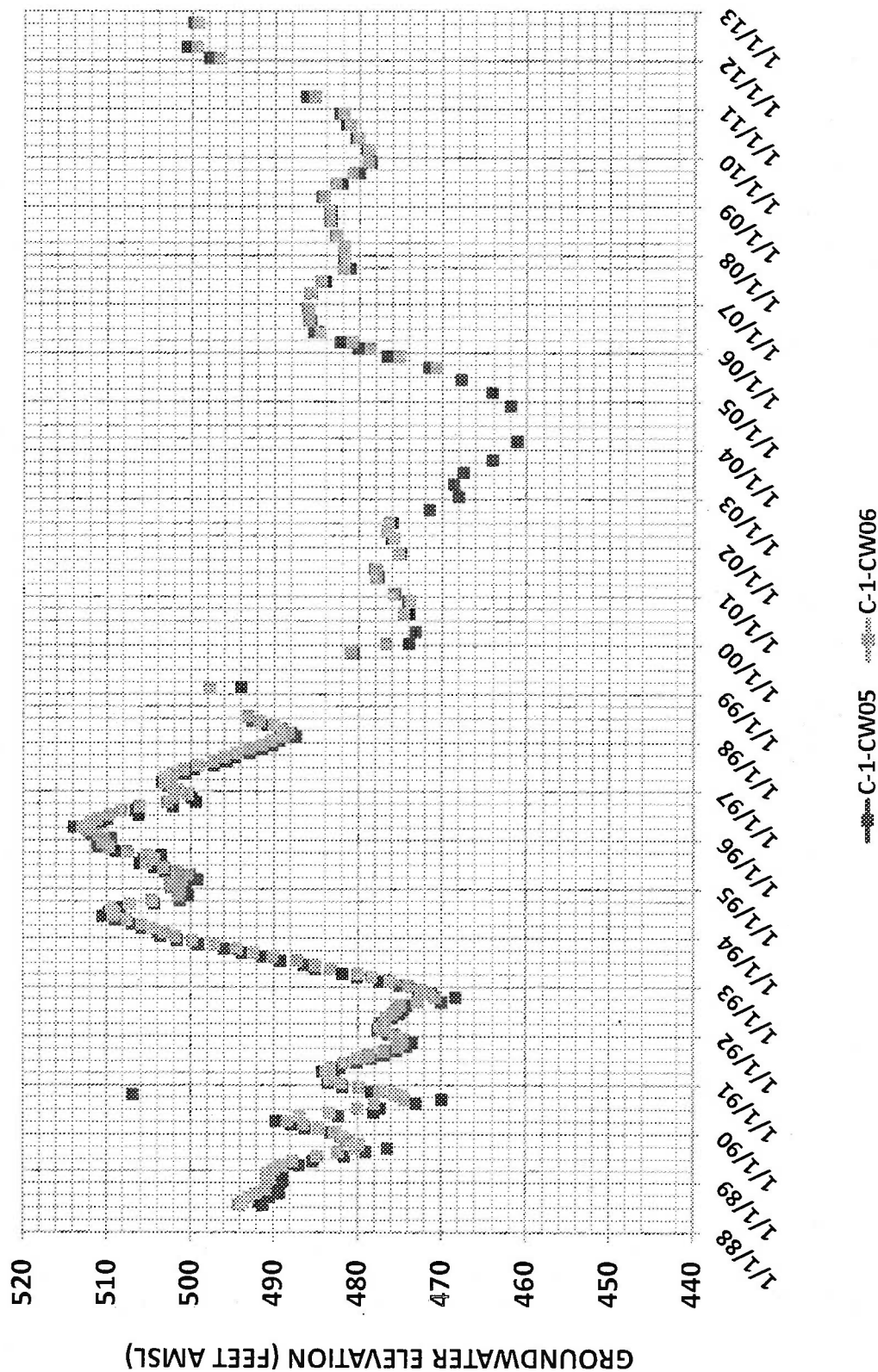


—■— B-6-CW14 - - - ■ - - - B-6-CW10

TIME SERIES HYDROGRAPH

Group 7

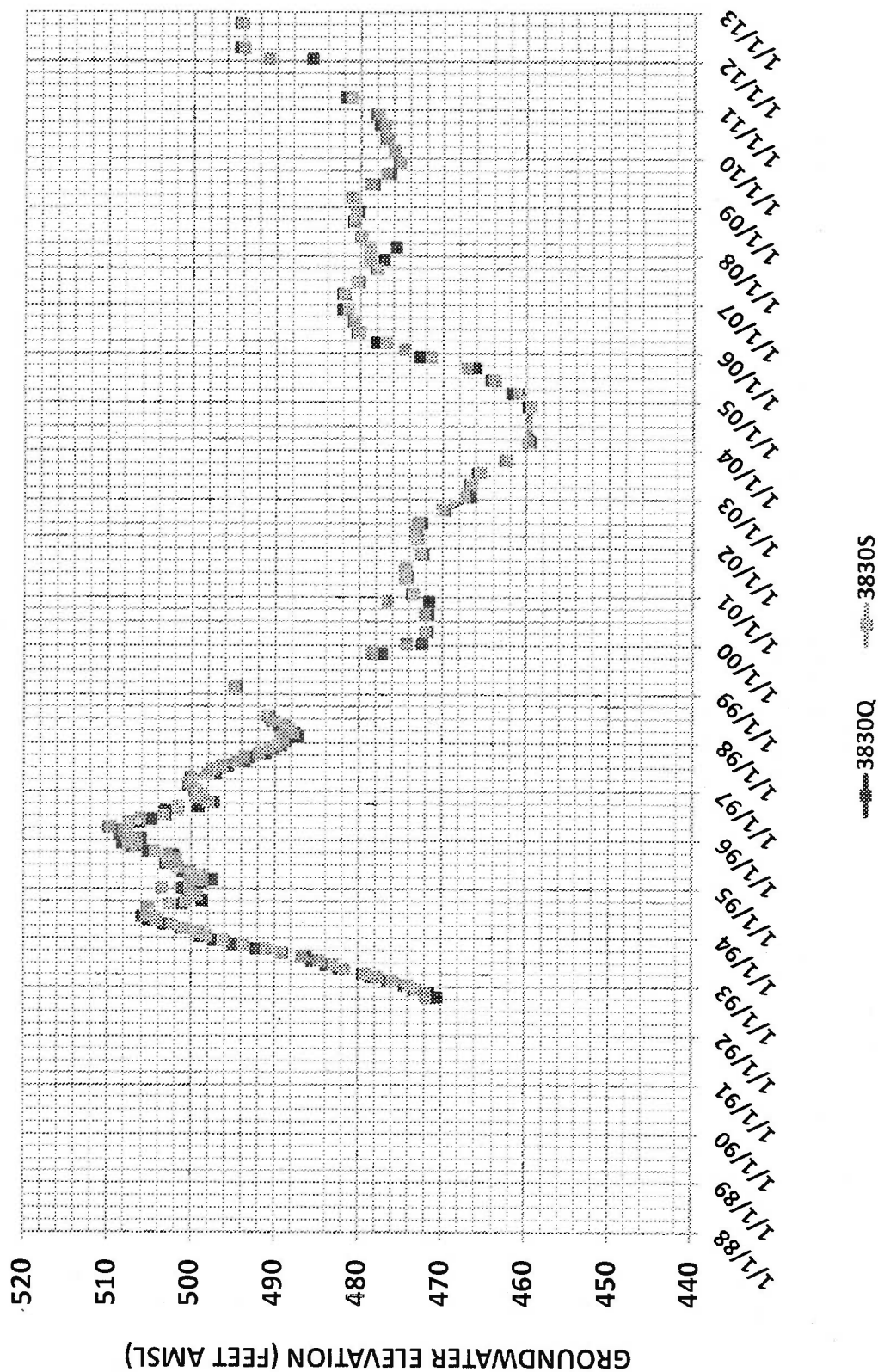
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 8

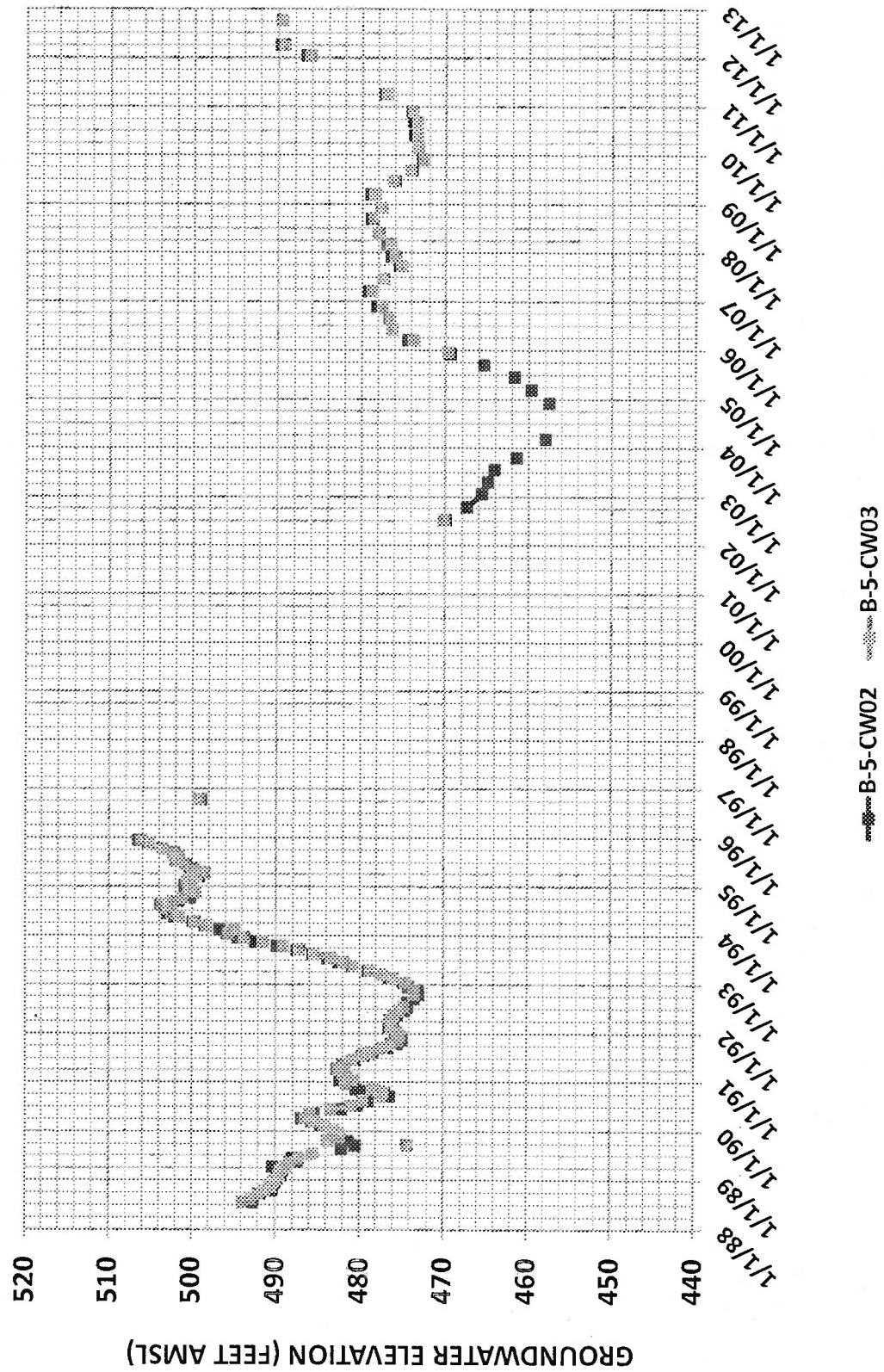
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 9

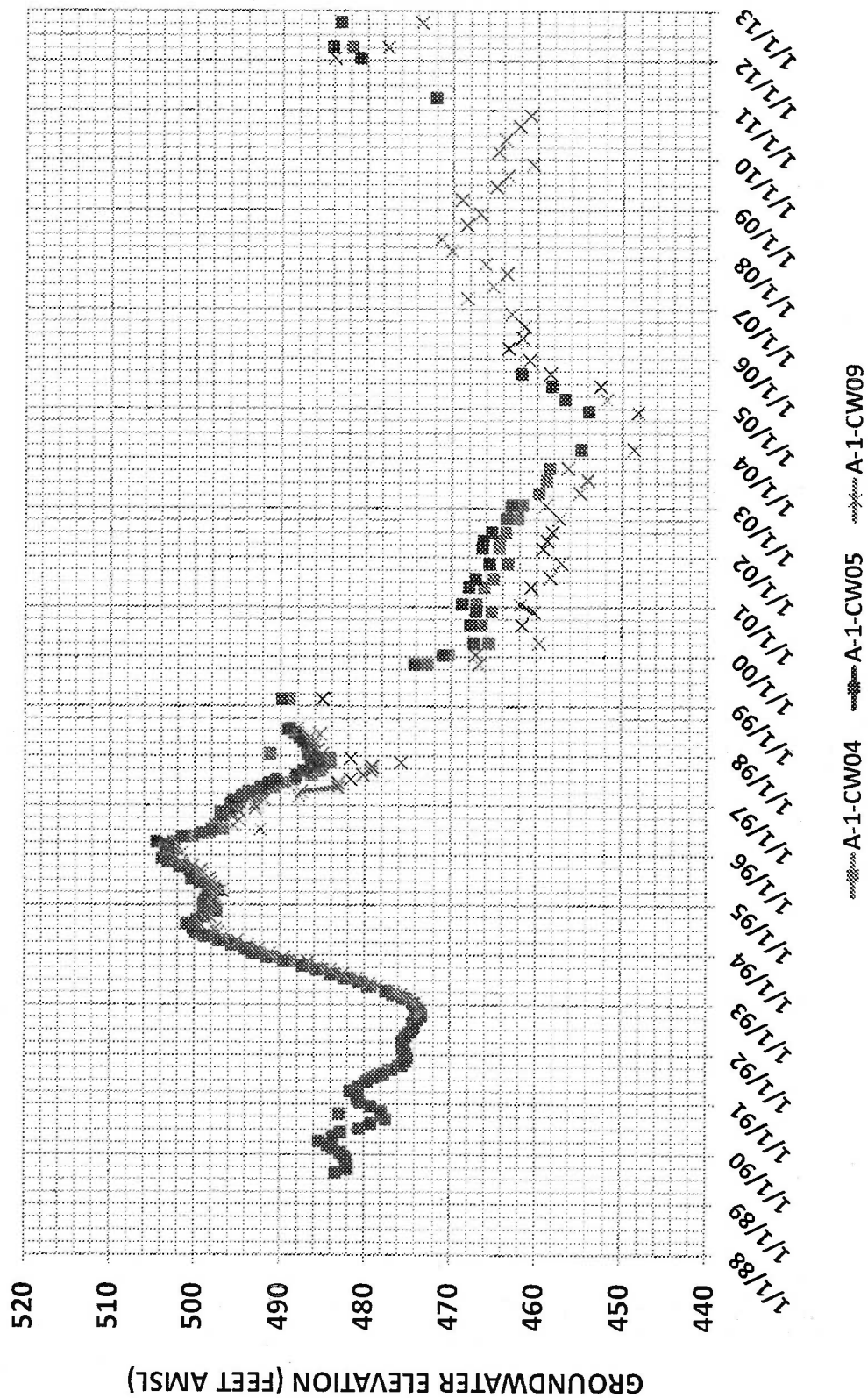
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 10

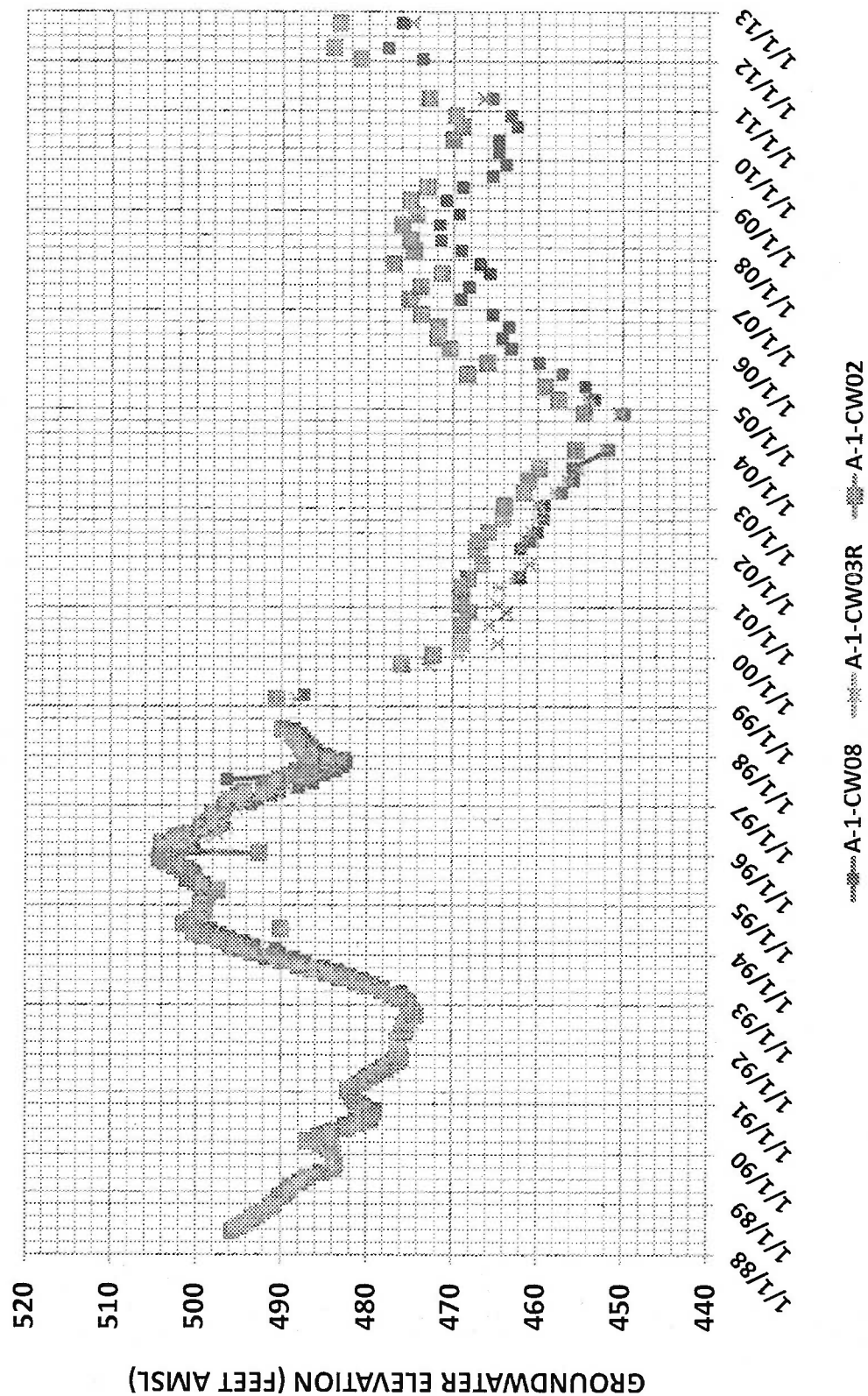
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 11

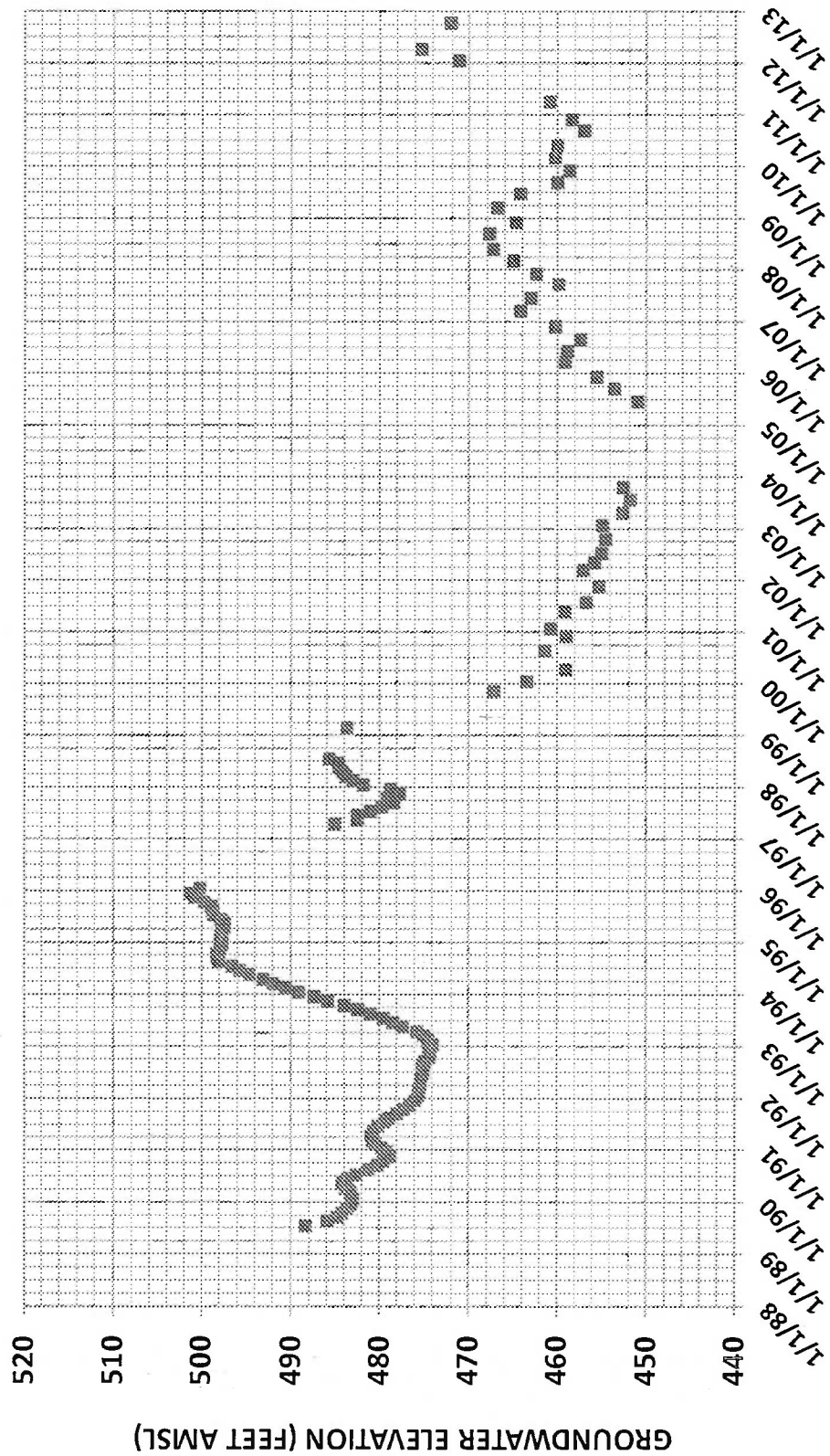
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 12

BOU-Lockheed Martin

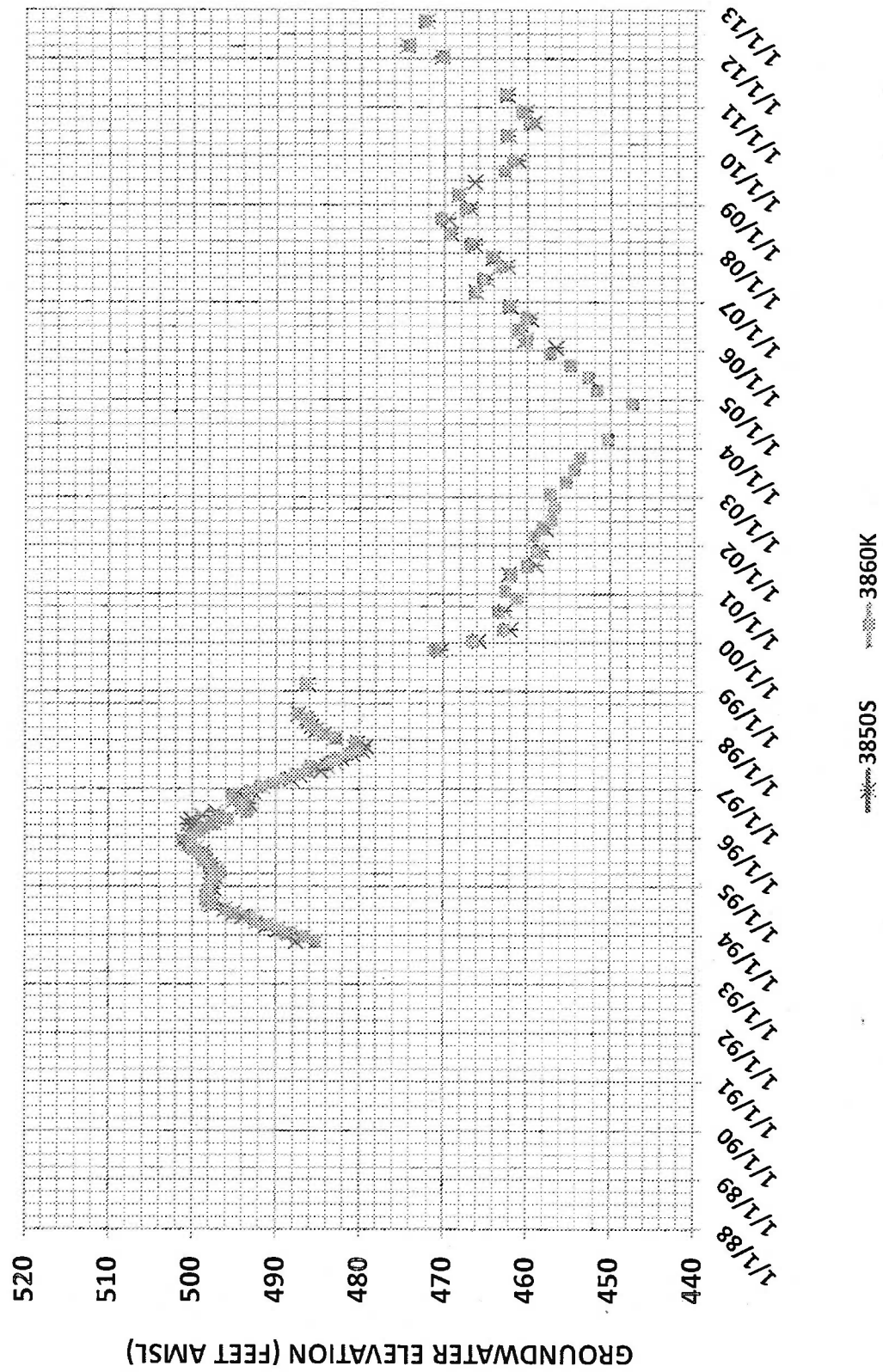


--- A-1-CW07

TIME SERIES HYDROGRAPH

Group 13

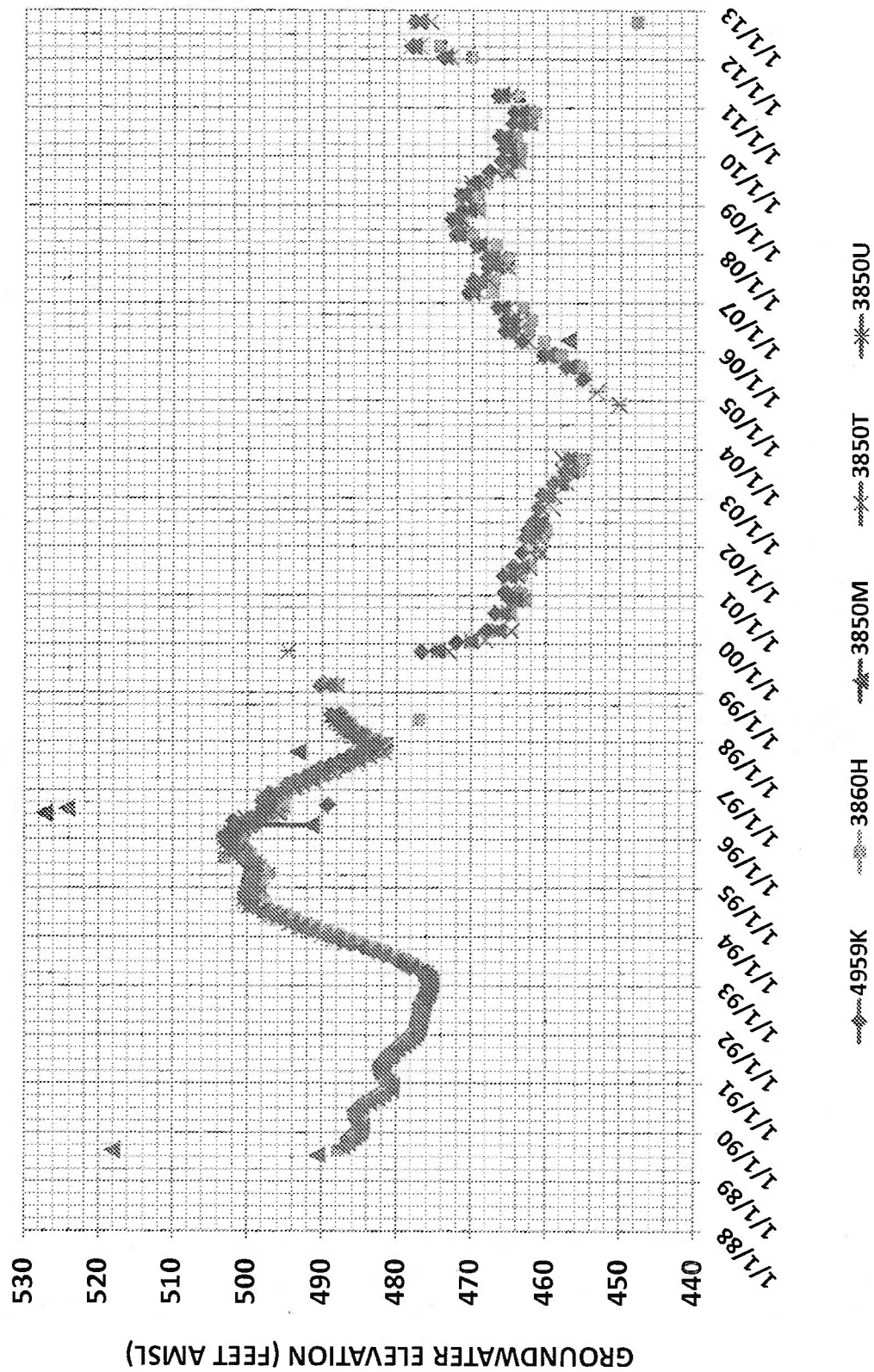
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 14

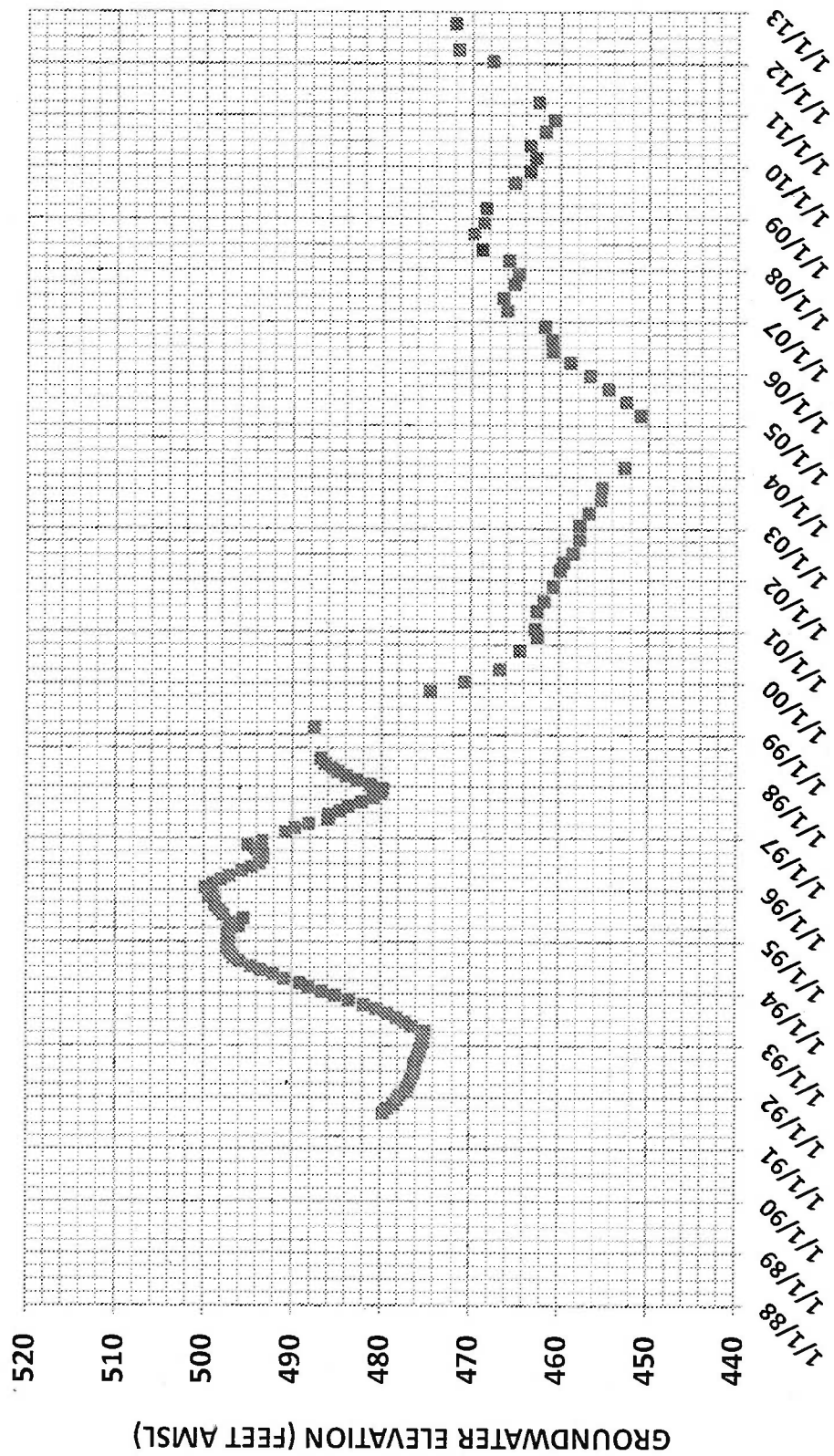
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 15

BOU-Lockheed Martin

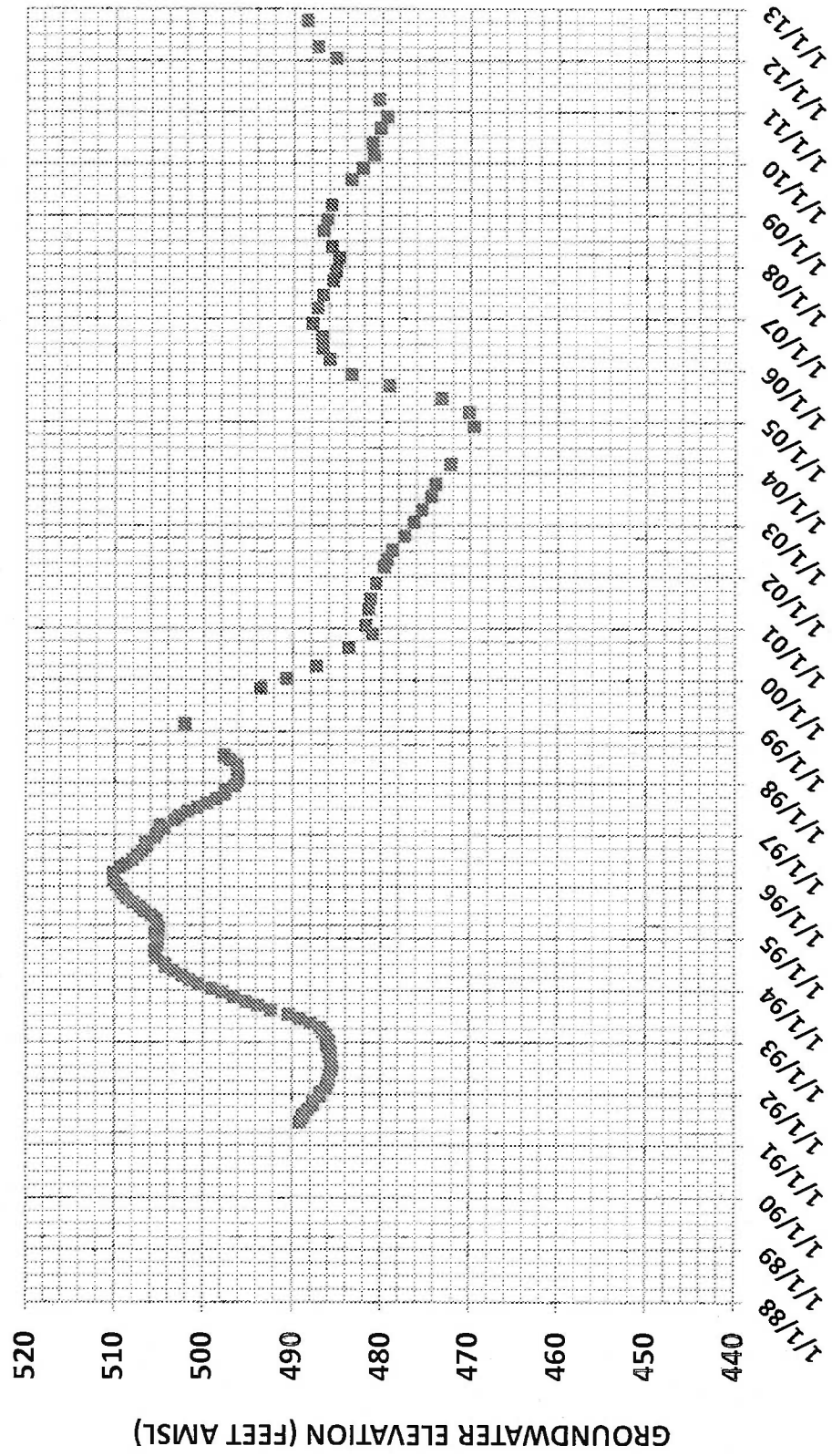


3860J

TIME SERIES HYDROGRAPH

Group 16

BOU-Lockheed Martin

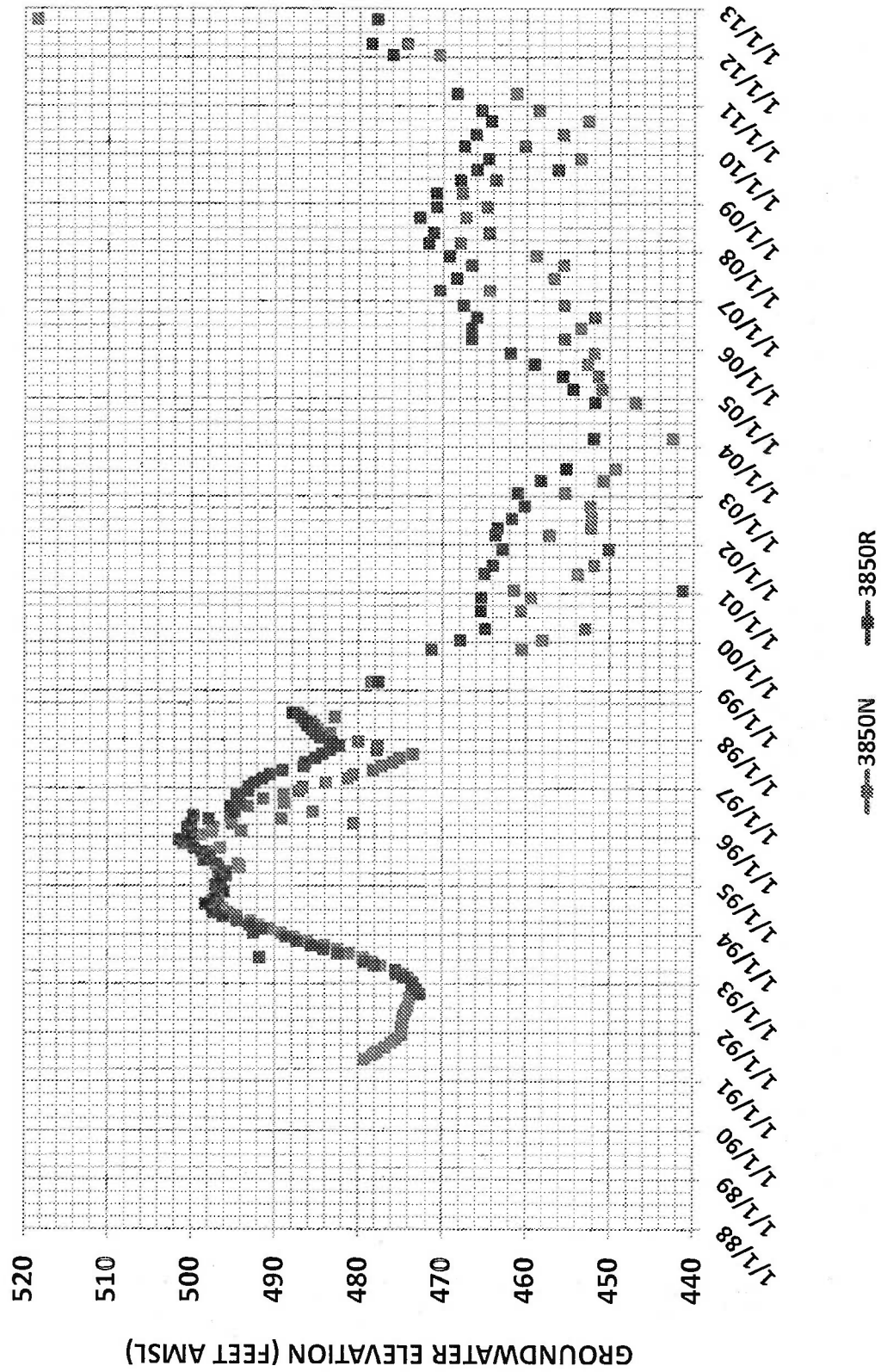


3870D

TIME SERIES HYDROGRAPH

Group 17

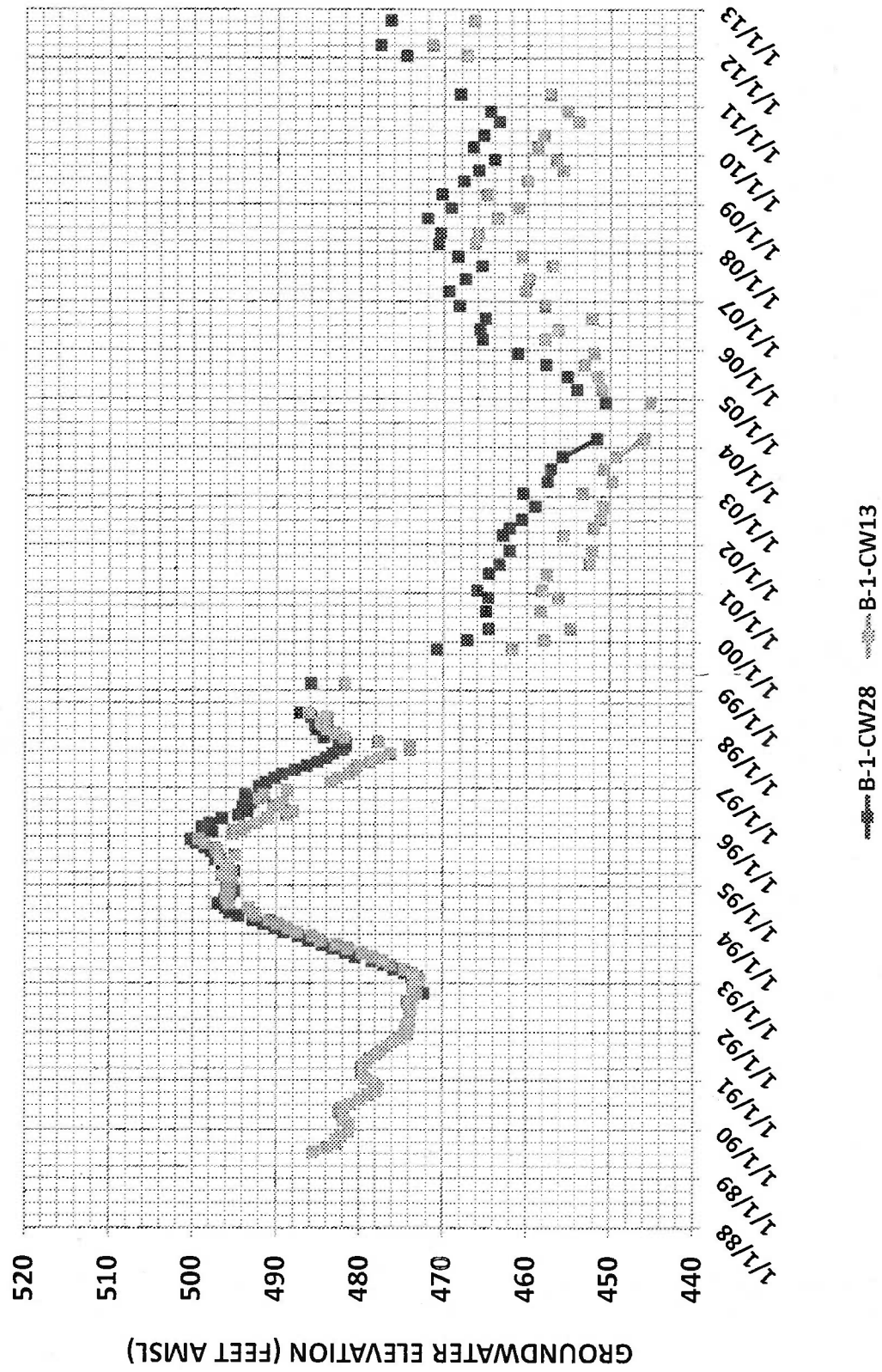
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 18

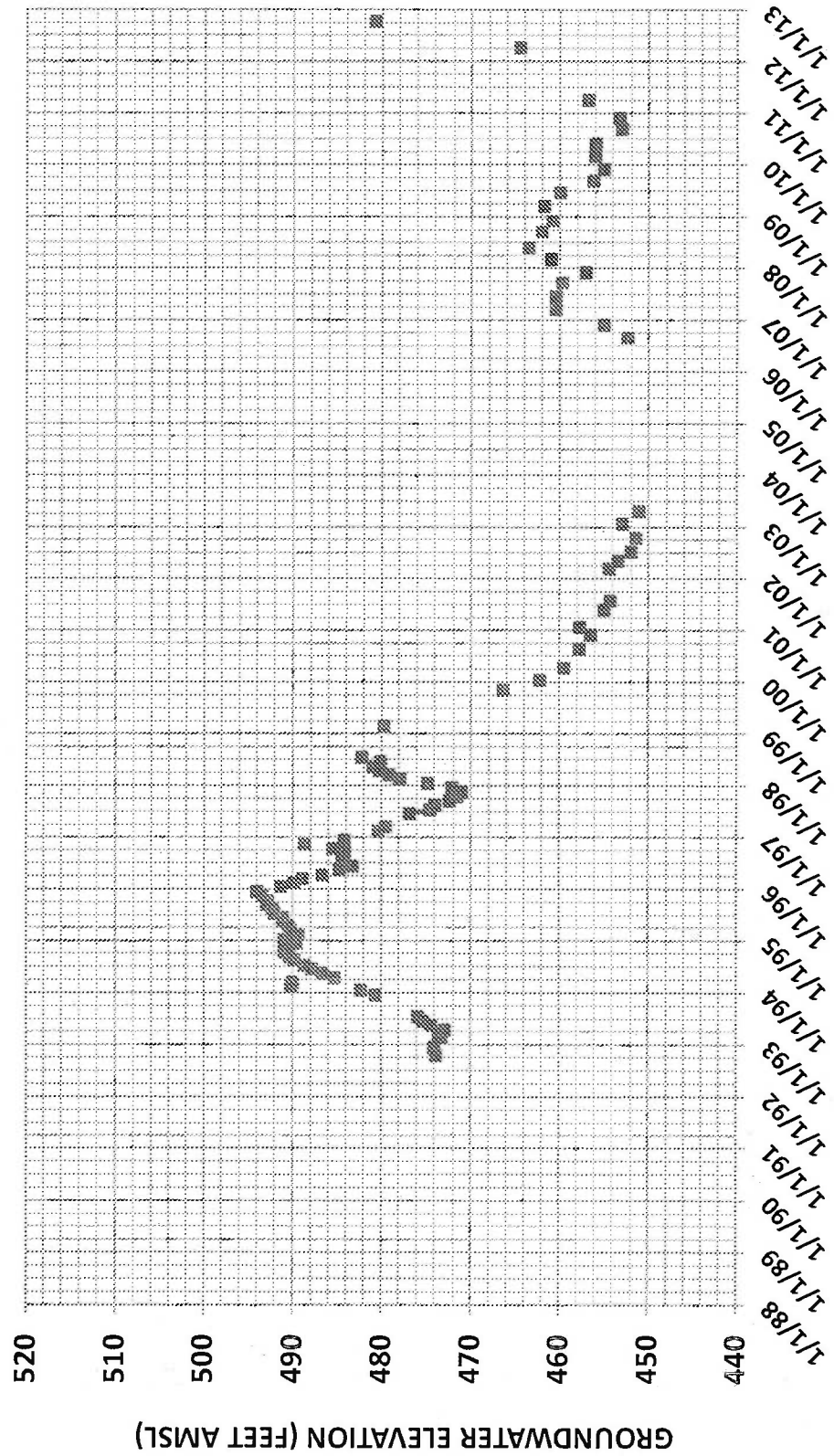
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 19

BOU-Lockheed Martin

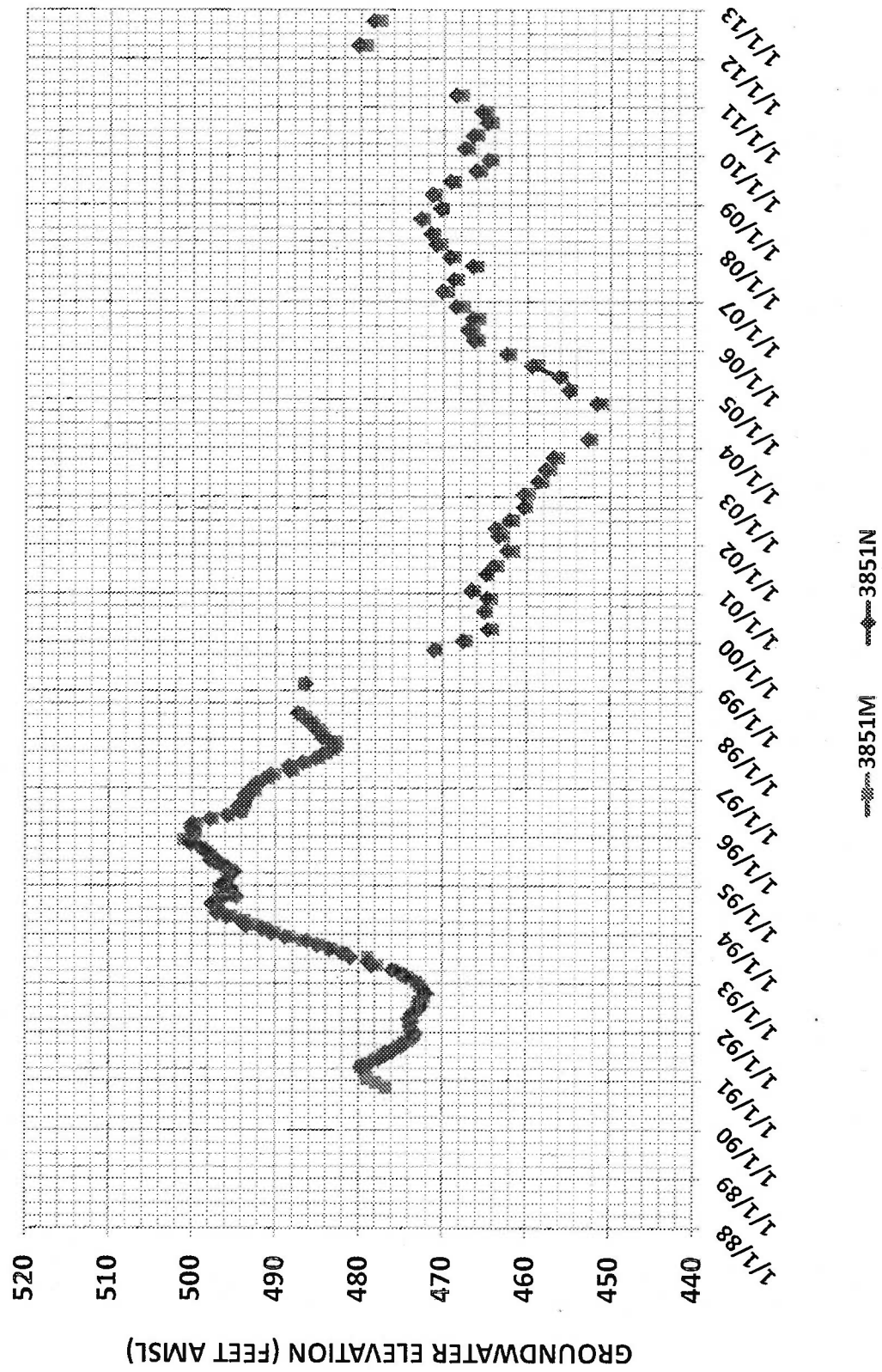


--- B-1-CW29

TIME SERIES HYDROGRAPH

Group 20

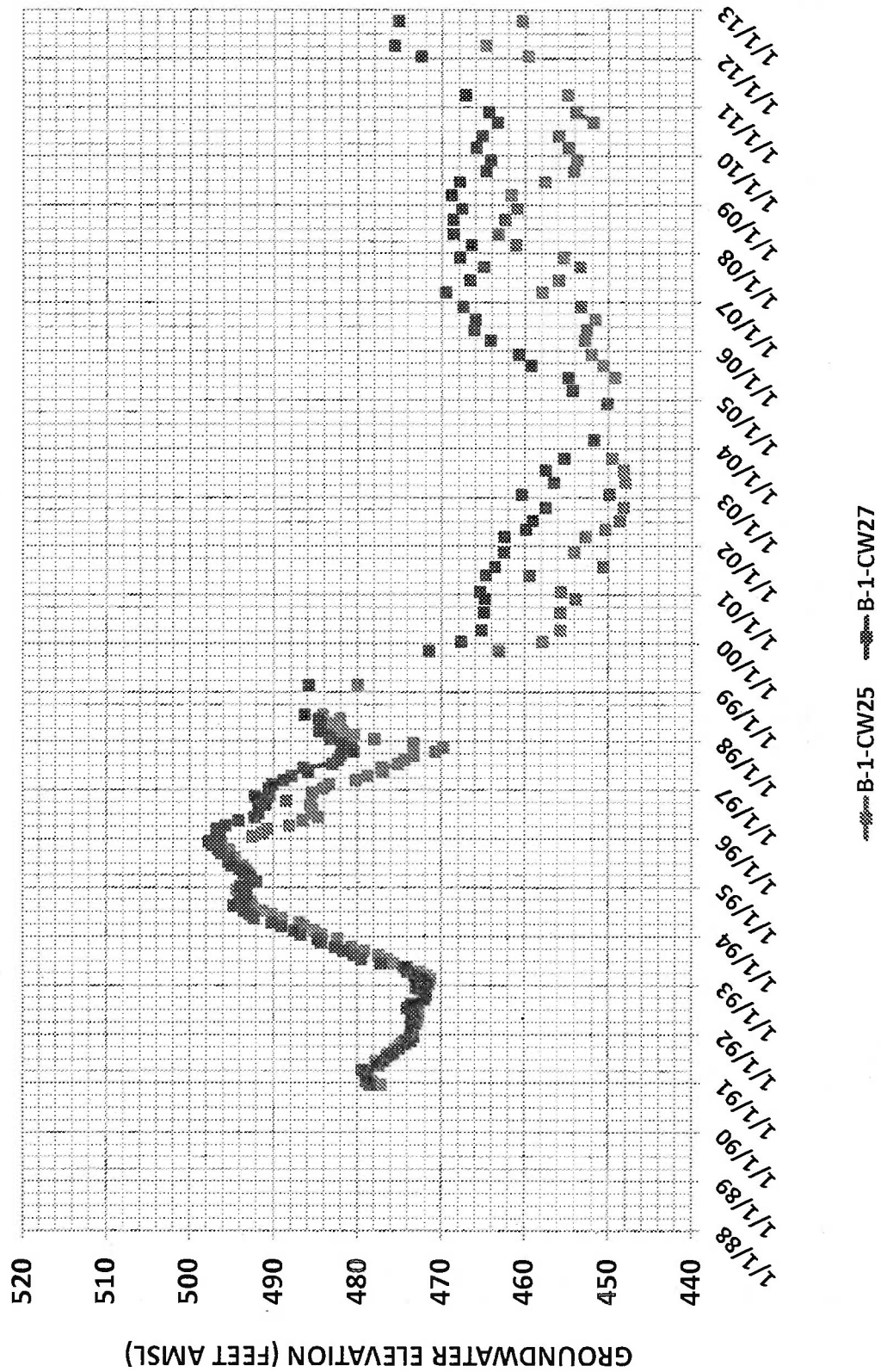
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 21

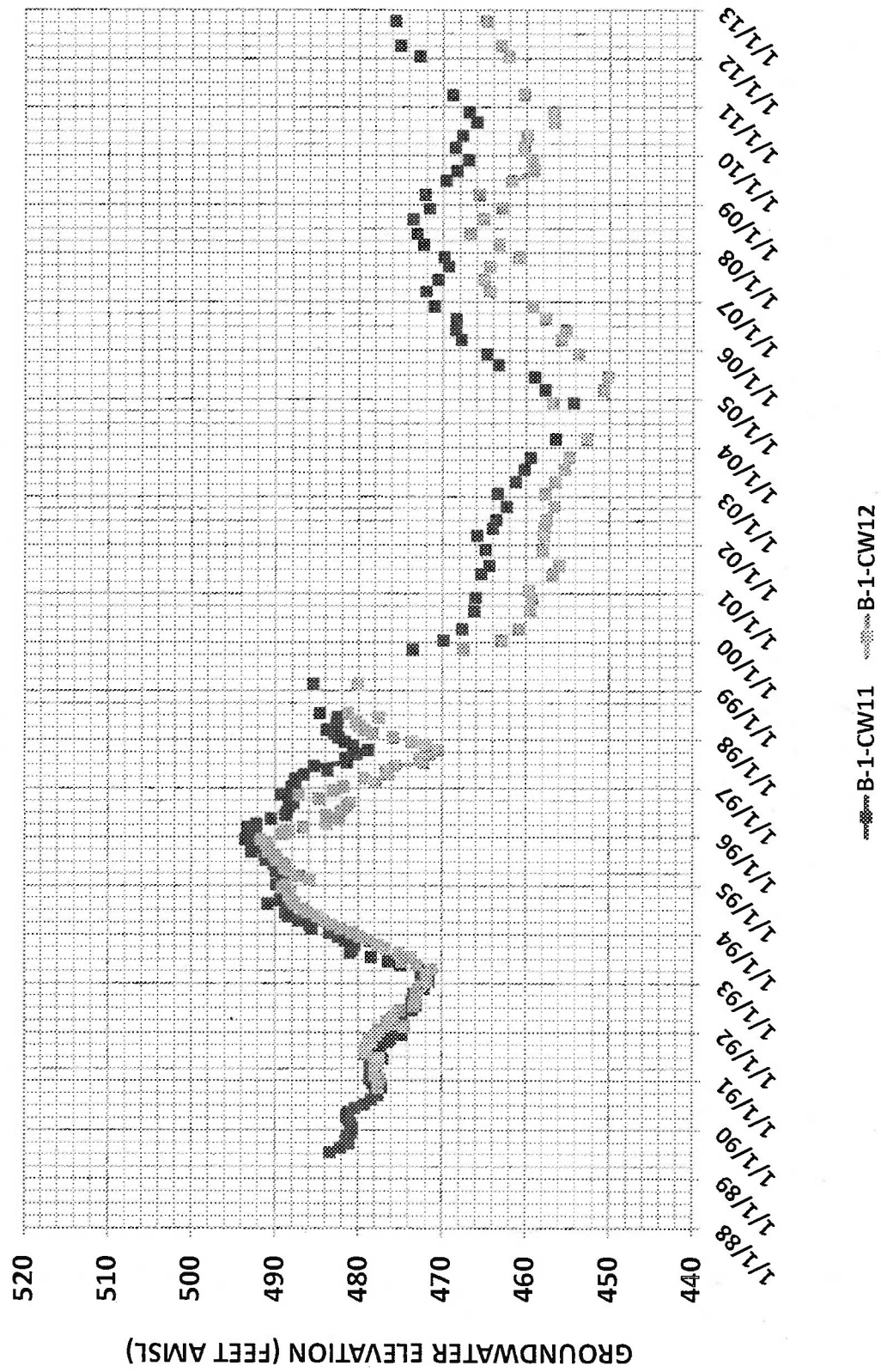
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 22

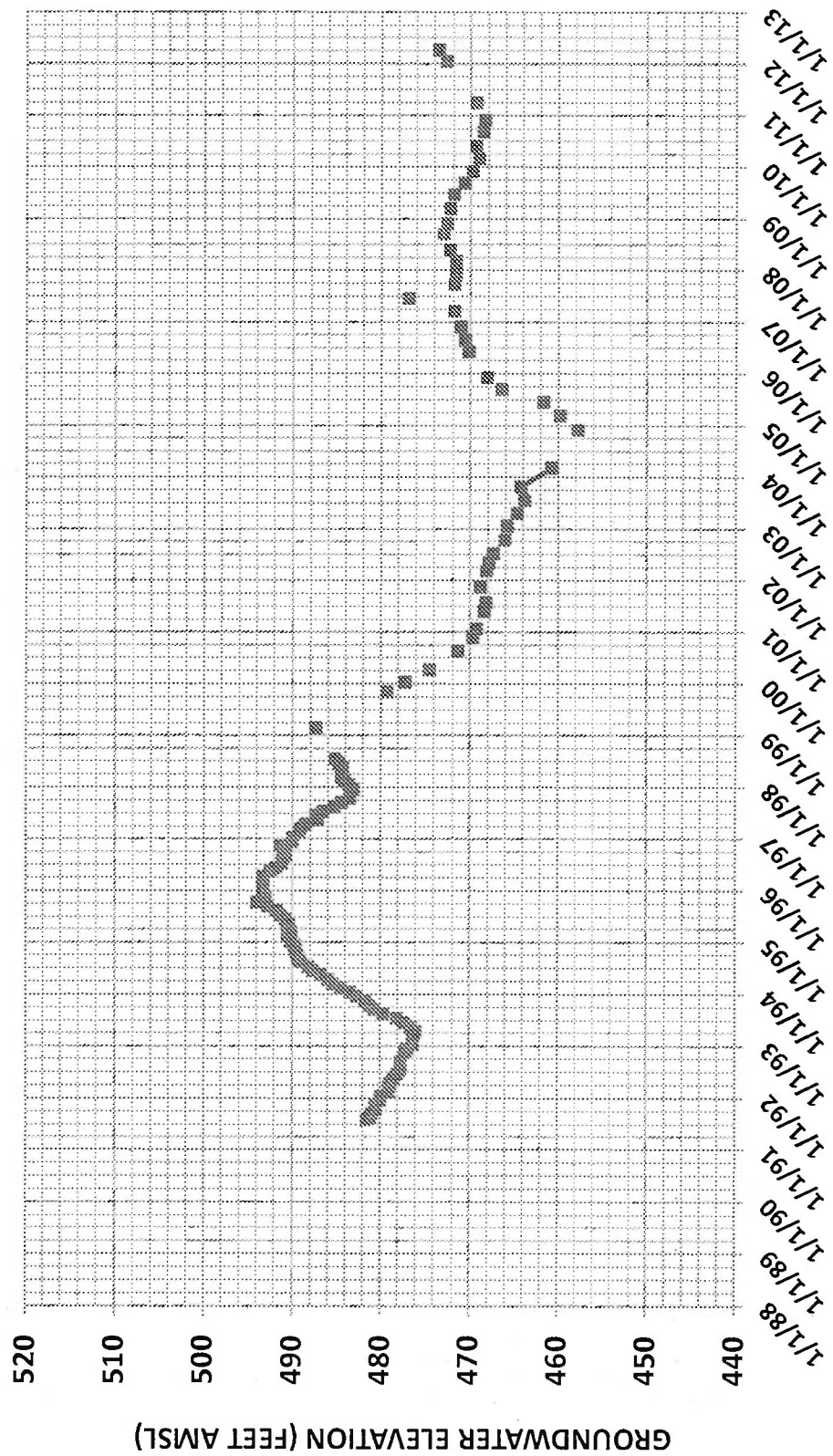
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 23

BOU-Lockheed Martin

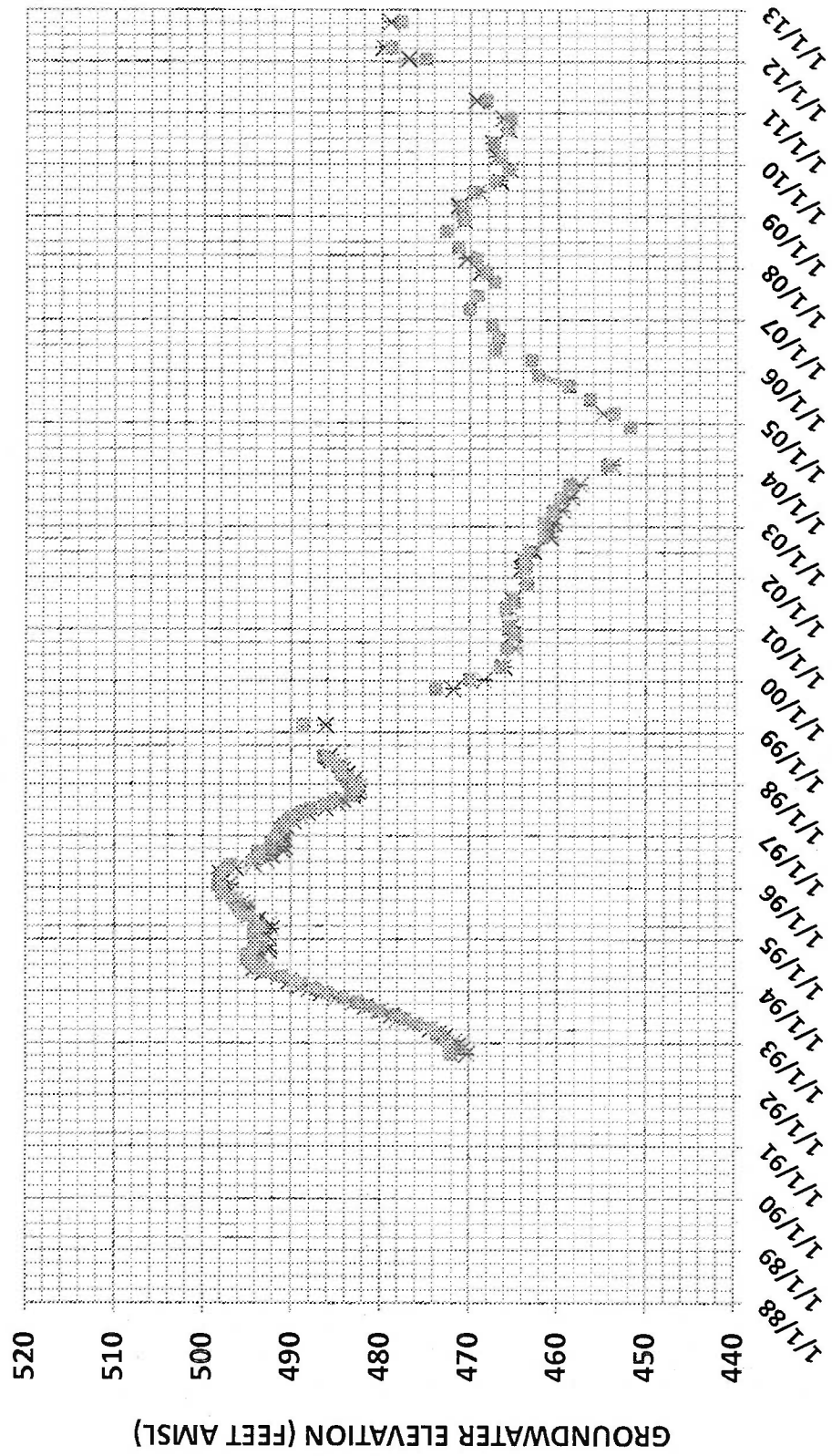


3880

TIME SERIES HYDROGRAPH

Group 24

BOU-Lockheed Martin

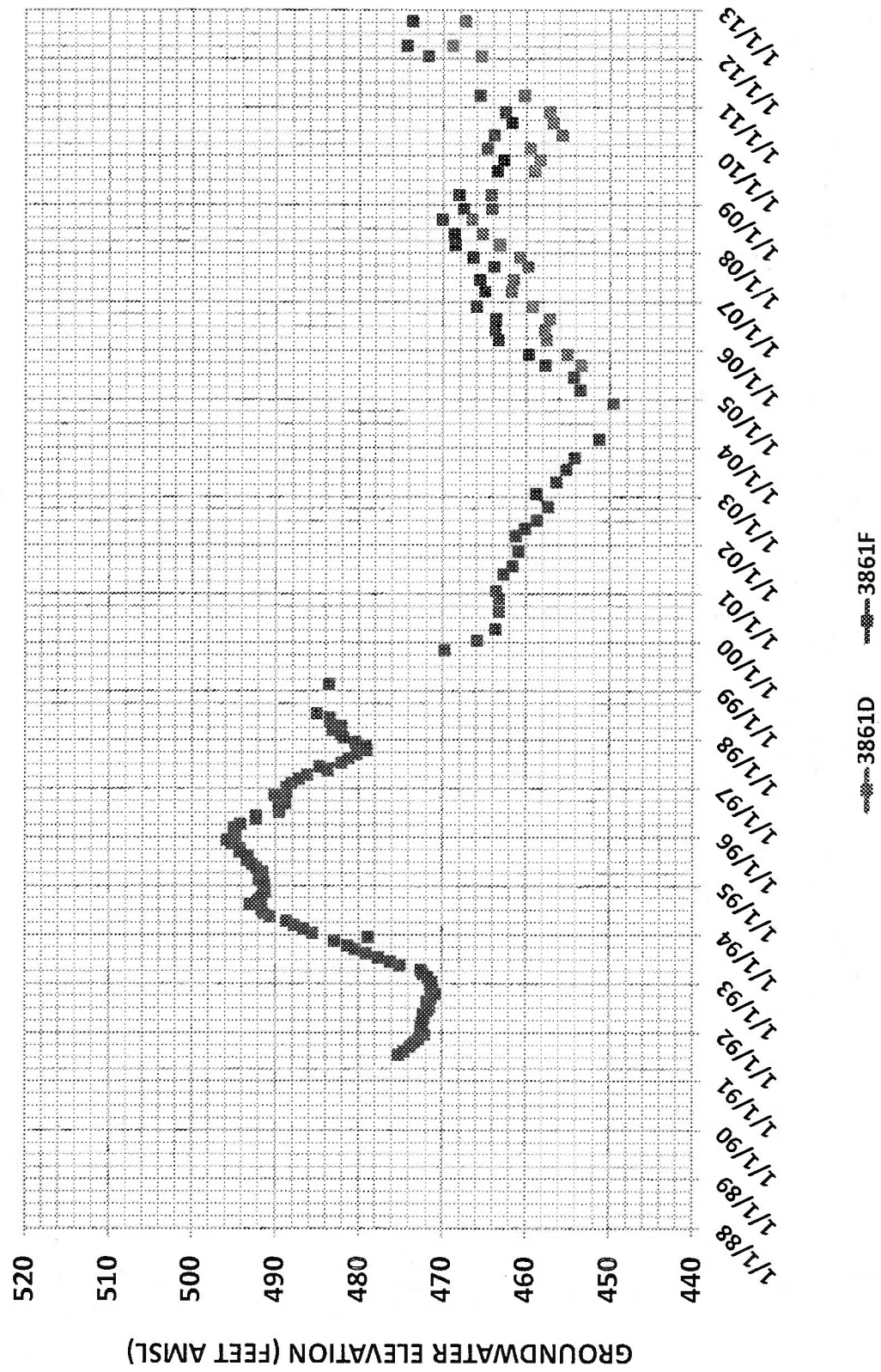


3852K 3852L

TIME SERIES HYDROGRAPH

Group 25

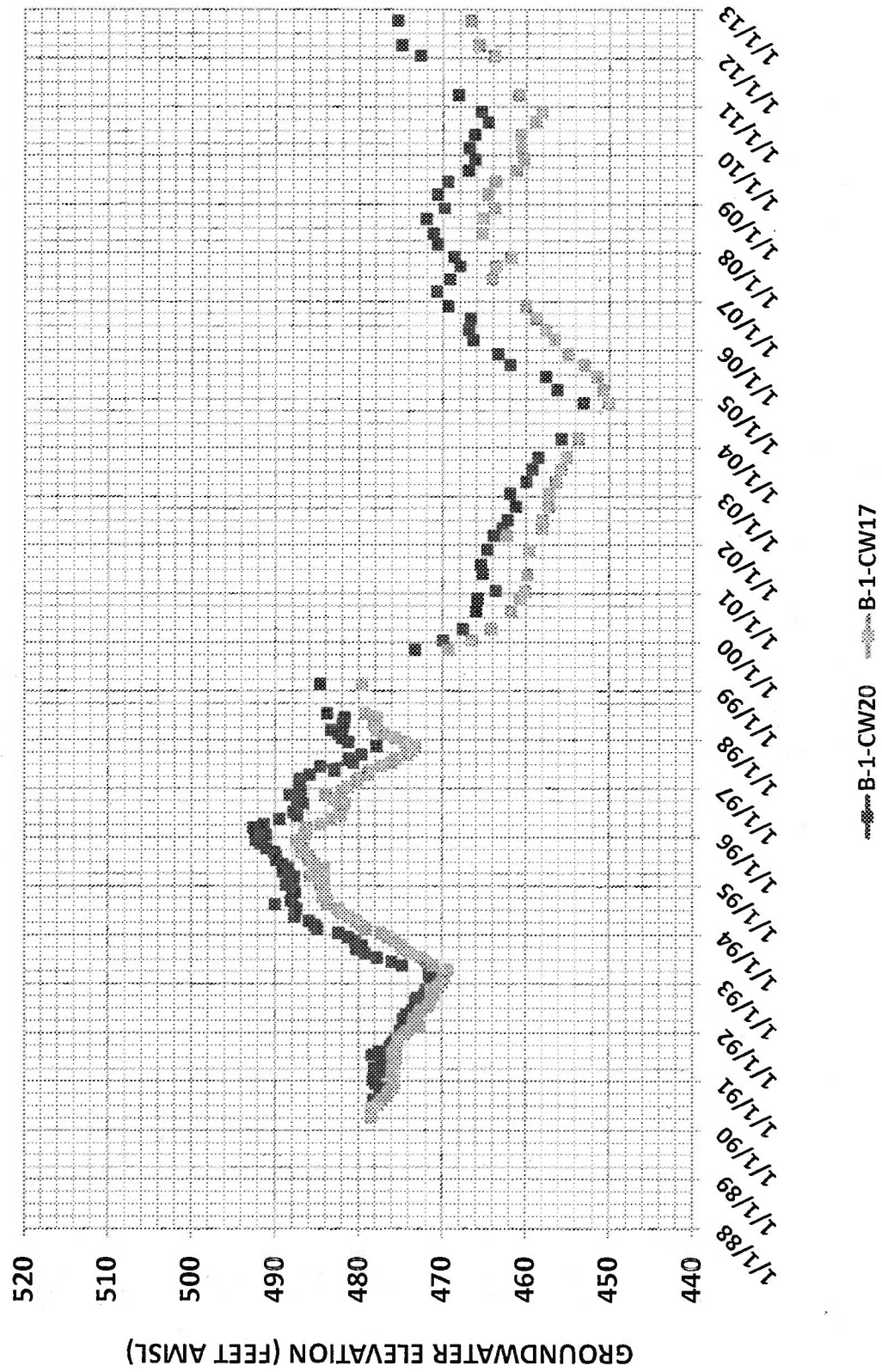
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 26

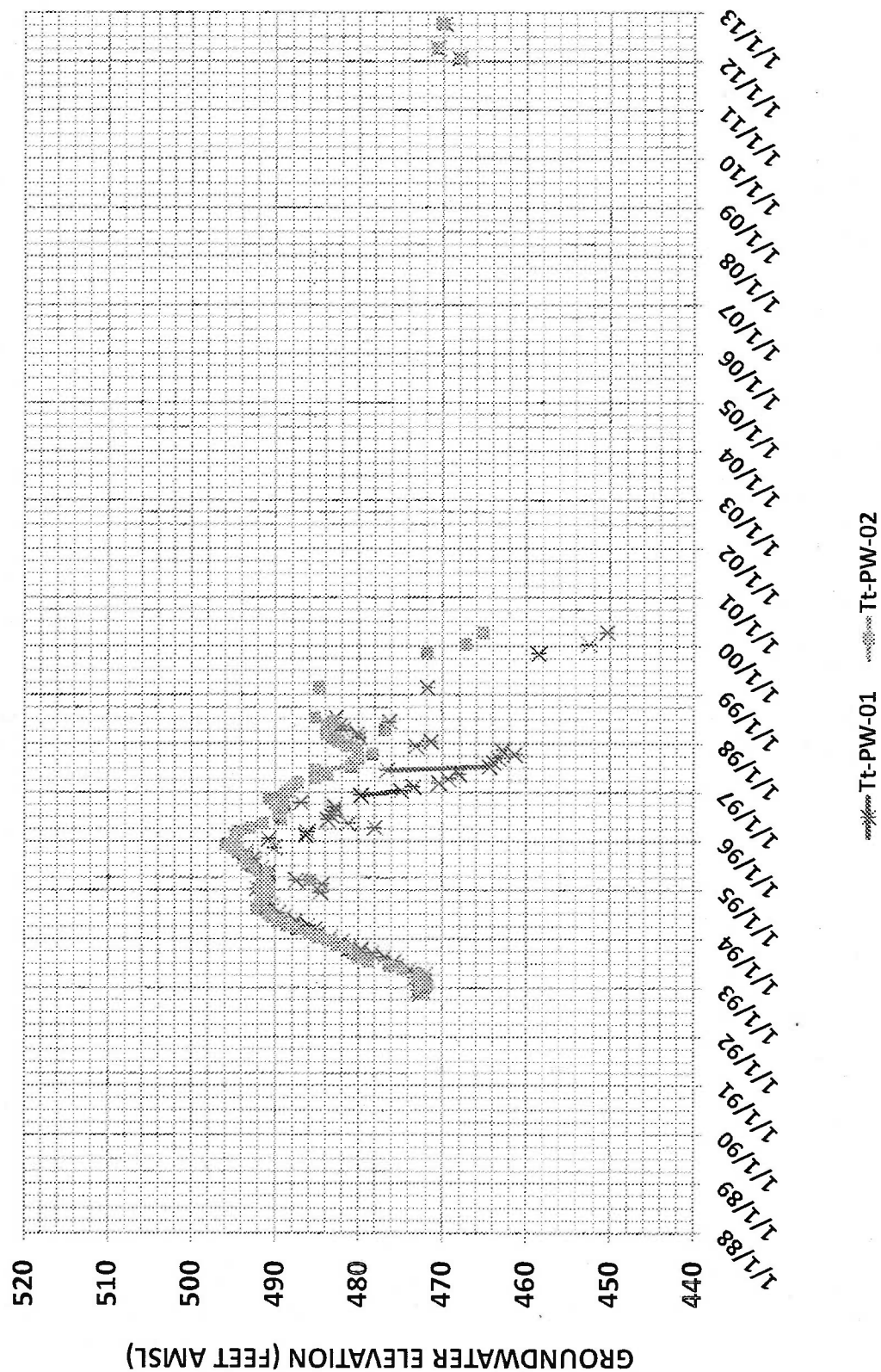
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 27

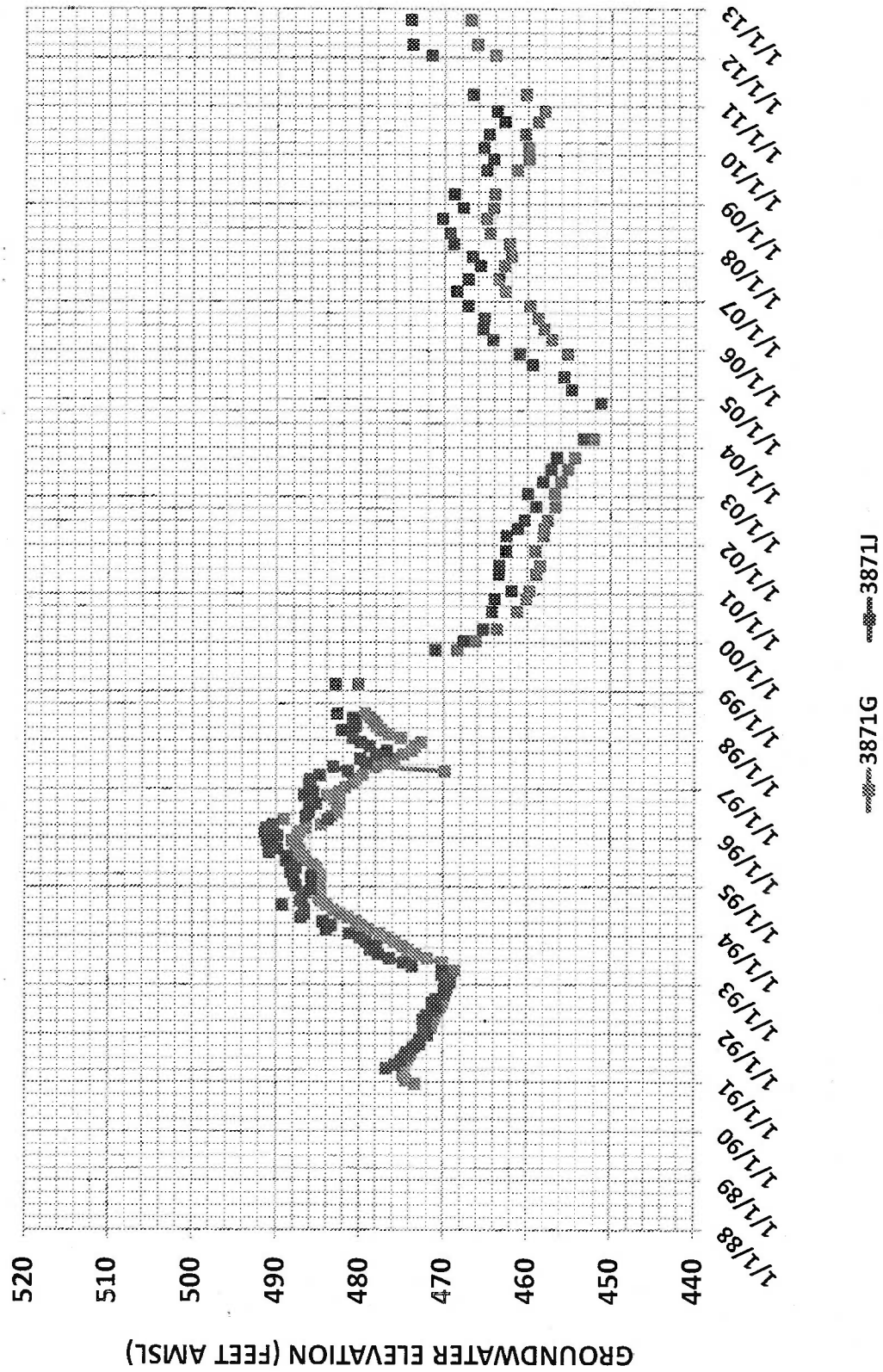
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 28

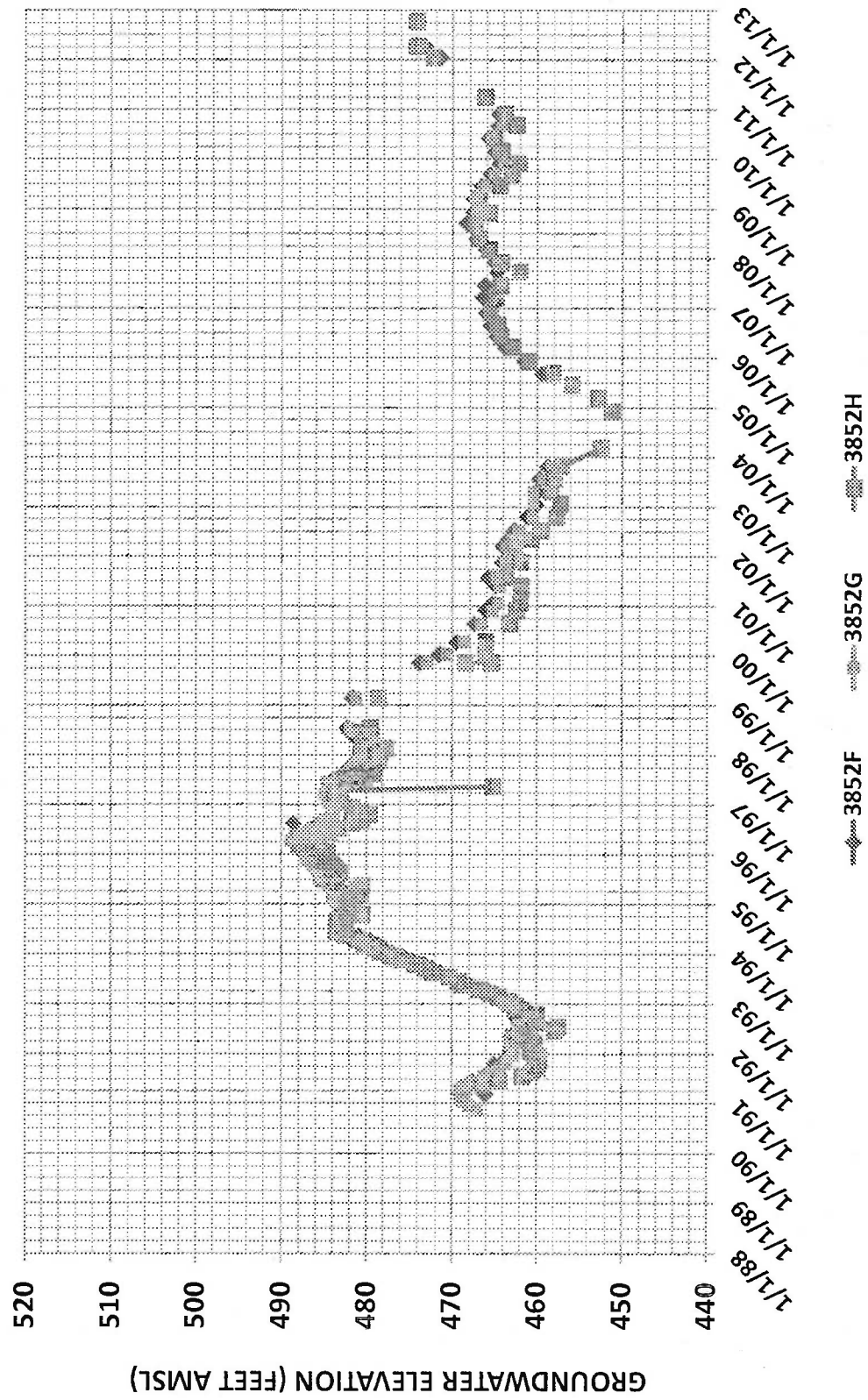
BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 29

BOU-Lockheed Martin



TIME SERIES HYDROGRAPH

Group 30

BOU-Lockheed Martin

