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August 21, 1997

**VIA E-MAIL  
W/FOLLOW-UP  
VIA PRIORITY MAIL**

**WITH  
PLOTS/OVERLAYS  
VIA EXPRESS MAIL**

SA [REDACTED]  
FBI, New York Field Office  
26 Federal Plaza, 23rd Floor  
New York, NY 10278

b7c

Dear [REDACTED]

The plot overlays and maps went out late this afternoon via Express Mail # EH144596275US with delivery scheduled at your office prior to 1200 tomorrow, August 22, 1997, before to noon. UPS may be back to work but they are so backlogged that they could not guarantee delivery prior to next Monday. Hence, I opted for the U.S. Mule.

You will note that each map (1:250,000 & 1:80,000) have four "bulls eyes" at specific points on the maps. These points correspond to the bulls eyes located on each of the overlays. Simply line up the bulls eyes on the overlays with those on the maps and you're in business. You may note that there may be a very minor miss-alignment or error with the alignment of the bulls eyes. This is due, in part, to two separate factors as explained below.

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126

I complete the overlays on 8½ x 11 inch paper in black & white exactly as provided to you in other plots. This plot is then photographed (in a contact process) to an 8½ x 11 negative. Once completed, the negative is utilized to complete a photo-like process where the contents of the negative is applied to clear acetate. In the process to enlarge information on the negative to align with the reference points on the map, an enlargement value is arrived at to "same-size" the overlay to the map. During this process, the development of the enlargement factor is limited to a whole number value only. Hence, if the enlargement factor is put at between 345% & 346%, the technician will select the whole number value which most closely matches the alignment marks since the camera settings do not allow for settings in percentages of decimal values. In some cases, this will cause the alignment marks to be off very slightly as the machine is unable to adjust between whole number settings.

The second problem lies in the printing of the map itself. During the printing (drying) process, a map can stretch or shrink ever so minimally that its overall accuracy (for its intended use) is not affected. Additionally, rolling and un-rolling, or folding a map will change its overall size (hence scale) to a very minor degree.

The minimal "miss" or "non" alignment will usually not represent more than a +/- 100 foot error.

For ready reference, the scales of the maps relative to real-life values are as follows.

1:250,000	1" = 6.86 NM
1:80,000"	1" = 1.10 NM

From the above scales, it is clear that the width of a pencil line drawn on the maps could be as wide as ¼ NM which could tend to miss-lead the viewer relative to accuracy.

*3/2* The start position of the surface target really (still) baffles me as it does not align with any of the inlets providing access from the area of protected waters to the ocean. At the least, this craft did not want to be around when big things were happening and kept going when the "sun" came out above it with the documented in-flight explosion. *3/2*

I will FAX copies of the plots utilized for the overlays to you later this evening (8288) so you can have a ready reference. I do this only because you are pilot and they always seem to have a bit of trouble understanding controllers. Specially them

Navy pilots!

By the way, you can track the whereabouts of the overlays at the web address below. Simply enter the Express Mail number (EH144596275US) and you will be informed where it is in the delivery picture.

<http://www.usps/cttgate/>

Call if you have any questions.

Sincerely,

A large black rectangular redaction box covering the signature area.

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Encl. (Priority Mail only)

	TIME (UTC)	XCOORD	YCOORD	TGT QUAL	TOTIM
1	0, 12, 23.57,	23.2972,	-2.0814,	3.00,	743.57,
2	0, 12, 42.38,	23.3305,	-2.1566,	2.00,	762.38,
3	0, 14, 53.90,	23.3057,	-3.2413,	2.00,	893.90,
4	0, 15, 12.70,	23.3235,	-3.5361,	1.00,	912.70,
5	0, 15, 17.39,	23.3235,	-3.5361,	1.00,	917.39,
6	0, 15, 22.09,	23.3289,	-3.5003,	1.00,	922.09,
7	0, 15, 36.18,	23.3069,	-3.6434,	1.00,	936.18,
8	0, 16, 41.98,	23.2297,	-4.1074,	2.00,	1001.98,
9	0, 16, 46.67,	23.2105,	-4.2143,	1.00,	1006.67,
10	0, 16, 56.07,	23.2170,	-4.1787,	1.00,	1016.07,
11	0, 17, 38.35,	23.1780,	-4.6506,	2.00,	1058.35,
12	0, 17, 57.16,	23.1491,	-4.7928,	1.00,	1077.16,
13	0, 18, 39.44,	23.0240,	-5.1364,	1.00,	1119.44,
14	0, 19, 45.22,	22.8646,	-5.8052,	1.00,	1185.22,
15	0, 19, 49.92,	22.8734,	-5.7701,	2.00,	1189.92,
16	0, 19, 54.61,	22.9130,	-5.8175,	1.00,	1194.61,
17	0, 19, 59.32,	22.8556,	-5.8402,	1.00,	1199.32,
18	0, 20, 18.09,	22.7916,	-6.0853,	1.00,	1218.09,
19	0, 20, 32.33,	22.7538,	-6.2250,	1.00,	1232.33,
20	0, 21, 56.91,	22.4842,	-6.9370,	1.00,	1316.91,
21	0, 22, 01.63,	22.4842,	-6.9370,	2.00,	1321.63,
22	0, 27, 21.10,	21.5079,	-9.4191,	1.00,	1641.10,
23	0, 27, 49.29,	21.3459,	-9.7806,	1.00,	1669.29,
24	0, 28, 08.06,	21.3158,	-9.8461,	2.00,	1688.06,
25	0, 28, 12.76,	21.2550,	-9.9767,	1.00,	1692.76,
26	0, 28, 17.45,	21.2550,	-9.9767,	1.00,	1697.45,
27	0, 28, 45.65,	21.0995,	-10.3016,	1.00,	1725.65,
28	0, 28, 59.75,	21.1310,	-10.2368,	3.00,	1739.75,
29	0, 30, 19.73,	20.7903,	-10.9120,	1.00,	1819.73,
30	0, 30, 24.42,	20.7567,	-10.9758,	2.00,	1824.42,
31	0, 31, 11.42,	20.5512,	-11.3560,	1.00,	1871.42,
32	0, 32, 07.80,	20.3026,	-11.7947,	1.00,	1927.80,
33	0, 32, 26.59,	20.2912,	-11.9133,	1.00,	1946.59,
34	0, 32, 35.97,	20.1435,	-12.1614,	2.00,	1955.97,
35	0, 33, 04.18,	20.1574,	-12.2543,	1.00,	1984.18,
36	0, 33, 18.26,	20.1197,	-12.3161,	1.00,	1998.26,
37	0, 33, 27.65,	20.0055,	-12.5008,	1.00,	2007.65,
38	0, 33, 51.17,	19.9512,	-12.6807,	3.00,	2031.17,
39	0, 34, 38.13,	19.7087,	-13.2166,	2.00,	2078.13,

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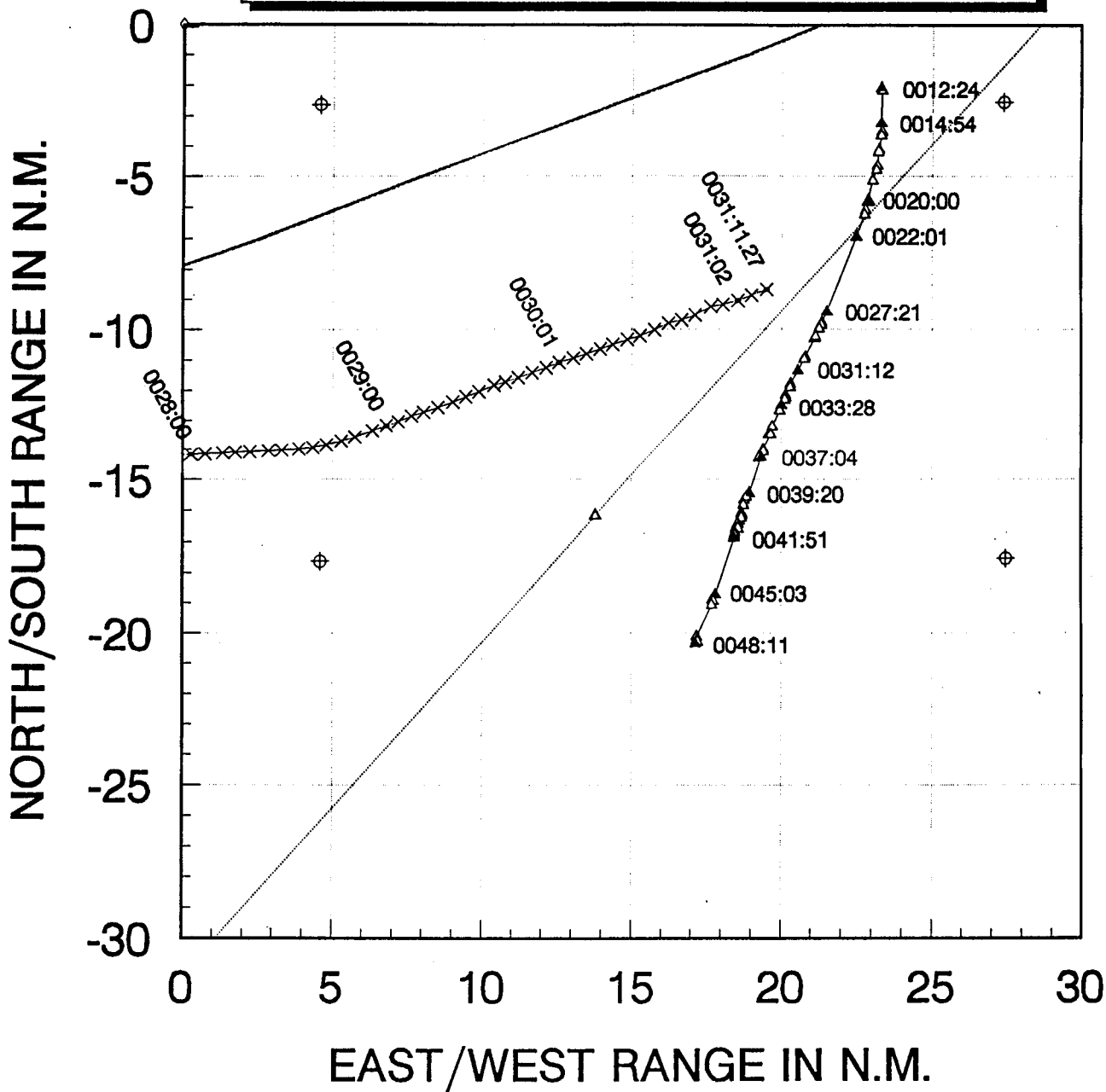
29

40	0,	35,	20.42,	19.5863,	-13.4858,	4.00,	2120.42,
41	0,	35,	25.13,	19.6564,	-13.4897,	1.00,	2125.13,
42	0,	36,	21.51,	19.4138,	-13.9910,	1.00,	2181.51,
43	0,	36,	30.90,	19.3924,	-14.0208,	2.00,	2190.90,
44	0,	36,	40.31,	19.4113,	-14.0798,	2.00,	2200.31,
45	0,	36,	54.39,	19.2590,	-14.2875,	3.00,	2214.39,
46	0,	37,	03.77,	19.3510,	-14.2639,	1.00,	2223.77,
47	0,	39,	20.21,	18.9455,	-15.4554,	1.00,	2360.21,
48	0,	39,	29.59,	18.7785,	-15.6580,	1.00,	2369.59,
49	0,	39,	34.32,	18.8503,	-15.5714,	1.00,	2374.32,
50	0,	39,	53.10,	18.7508,	-15.8309,	1.00,	2393.10,
51	0,	40,	21.32,	18.6877,	-16.0746,	4.00,	2421.32,
52	0,	40,	35.40,	18.7009,	-16.1359,	1.00,	2435.40,
53	0,	40,	44.81,	18.6142,	-16.3118,	1.00,	2444.81,
54	0,	40,	54.20,	18.6891,	-16.2260,	1.00,	2454.20,
55	0,	40,	58.89,	18.5689,	-16.4238,	4.00,	2458.89,
56	0,	41,	03.59,	18.5437,	-16.4523,	1.00,	2463.59,
57	0,	41,	22.39,	18.5050,	-16.5708,	2.00,	2482.39,
58	0,	41,	27.09,	18.5752,	-16.5823,	1.00,	2487.09,
59	0,	41,	31.79,	18.4731,	-16.6960,	5.00,	2491.79,
60	0,	41,	45.88,	18.4587,	-16.7862,	5.00,	2505.88,
61	0,	41,	50.57,	18.4440,	-16.8765,	1.00,	2510.57,
62	0,	45,	03.21,	17.8221,	-18.7242,	1.00,	2703.21,
63	0,	45,	17.32,	17.7122,	-18.8968,	1.00,	2717.32,
64	0,	45,	31.42,	17.7532,	-18.9406,	2.00,	2731.42,
65	0,	45,	45.49,	17.6999,	-19.0587,	2.00,	2745.49,
66	0,	47,	38.40,	17.1879,	-20.1174,	1.00,	2858.40,
67	0,	48,	01.90,	17.1908,	-20.2462,	1.00,	2881.90,
68	0,	48,	06.60,	17.2296,	-20.2920,	1.00,	2886.60,
69	0,	48,	11.29,	17.1673,	-20.3447,	4.00,	2891.29,

130

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× TWA800 - N90 ISP DATA  
 ▲ UNKNOWN SURFACE TGT



TWA10C