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DELETED

SAF 30008883000
DOCUMENT#

Dr. 26 APRIL 1954 Time 0610 L Local Observation Time 0600 L

Clouds lower 2/10 CU SC Base 1800 Tops 3500 Middle 1/10 SC Base 12000

FEW VERY THIN CI Visibility 8 Miles

Sea Level Pressure 1007.4 Mb Wind direction 062 degrees Velocity 18 Kts

Surface temp 81 °F Dew Point 76 °F Humidity 86 % Vapor pressure 1.056

Local weather PARTLY CLOUDY Remarks NO INDUCED SHOWER ACTIVITY OBSERVED

Latest winds aloft taken on CURTISS Position BIKINI Time 0600 L 411448

ALTITUDE	DEGREES	KNOTS	PRESSURE	TEMP	DEW POINT	REL. HUMIDITY	ρ
Surface	050	17	1006	26.8°C	24.2°C	81%	1.157
1,000 Ft	060	21	979	24.8	21.7	78	1.134
1,500	070	19	958	23.3	20.3	79	1.116
2,000	080	18	942	22.0	19.4	83	1.098
3,000	090	17	908	19.4	17.1	85	1.073
4,000	090	18	877	17.1	15.0	85	1.045
5,000	100	19	846	16.2	14.2	68	1.014
6,000	110	18	817	16.3	09.8	30	.978
7,000	120	18	788	15.9	-02.2	45	.949
8,000	130	17	760	13.8	00.0	70	.923
9,000	120	16	733	11.2	04.5	57	.895
10,000	110	12	707	09.9	01.8	41	.867
12,000	350	04	655	05.8	-05.4	62	
14,000	360	06	608	03.5	-06.7	50	
16,000	240	25	563	-01.2	-11.7	45	
18,000	290	14	522	-06.0	-15.5	56	
20,000	260	15	483	-09.0	-16.3	63	
25,000	200	33	397	-17.9	-23.5	62	
30,000	250	40	322	-26.0	MB		
35,000	240	44	259	-37.8	MB		
40,000	250	40	207	-49.5	M		
45,000	250	40	157	-61.4	M		
50,000	260	28	123	-73.5	M		
55,000	220	09	097	-77.5	M		
60,000 (57000)	180	15	074	-79.8	M		
65,000			057	-67.7	M		
70,000							
75,							
80,000							
85,000							
90,000							
95,000							
100,000							

LOS ALAMOS
02016306

COPIED/DOE
LAWL RC

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

1ST REVIEW DATE: 02-10-97
 AUTHORITY: EAAC EAAC EAAC
 NAME: Phunt
 2ND REVIEW DATE: 10-20-97
 AUTHORITY: ADD
 NAME: Phunt

DETERMINATION (CIRCLE NUMBER)
 1. CLASSIFICATION RETAINED
 2. CLASSIFICATION CHANGED TO Classified
 3. CONTAINS NO DOE CLASSIFIED INFO
 4. COORDINATE WITH:
 5. CLASSIFICATION CANCELLED
 6. CLASSIFIED INFO BRACKETED
 7. OTHER (SPECIFY: Classified)

Sanitized by NN-523 on 2/5/98

and Criminal Sanctions.

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$$P_o = 1.2929 \left(\frac{273.13}{T} \right) \left[(P_o - 0.3783e) / 760 \right]$$

<u>P_o mb</u>	<u>P_o mm</u>	<u>T °C</u>	<u>T °A</u>	<u>D.P. °C</u>	<u>.3783e</u>
1006	754	26.8	299.9	24.2	8.58 - 8.6
979	734	24.8	297.9	21.7	7.38 7.4
958	719	23.3	296.4	20.3	6.76 6.8
942	707	22.0	295.1	19.4	6.40 6.4
908	681	19.4	292.5	17.1	5.54 5.5
877	658	17.1	290.2	15.0	4.84 4.8
846	635	16.2	289.3	14.2	4.60 4.6
817	613	16.3	289.4	9.8	3.43 3.4
788	591	15.9	289.0	-2.2	1.45 1.5
760	570	13.8	286.9	0	1.73 1.7
733	550	11.2	284.3	4.5	2.39 2.4
707	530	9.9	283.0	1.8	1.97 2.0

$$1013.3 \text{ mb} = 760 \text{ mm}$$

$$P_o \text{ mm} = \frac{760}{1013.3} P_o \text{ mb} = .75 P_o \text{ mb}$$

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<u>P_o - .3783e</u>	<u>A</u> ÷ 760	<u>B</u> 273.13 T	<u>AB</u>	<u>C.</u> x 1.2929
745.4	.981	.912	.895	1.157
726.6	.956	.918	.877	1.134
712.2	.937	.922	.864	1.116
700.6	.922	.926	.850	1.098
675.5	.889	.934	.830	1.073
653.2	.860	.941	.809	1.045
630.4	.830	.944	.784	1.014
609.6	.802	.944	.757	.978
589.5	.776	.946	.734	.949
568.3	.748	.954	.714	.923
547.6	.720	.961	.692	.895
528.0	.695	.966	.671	.867

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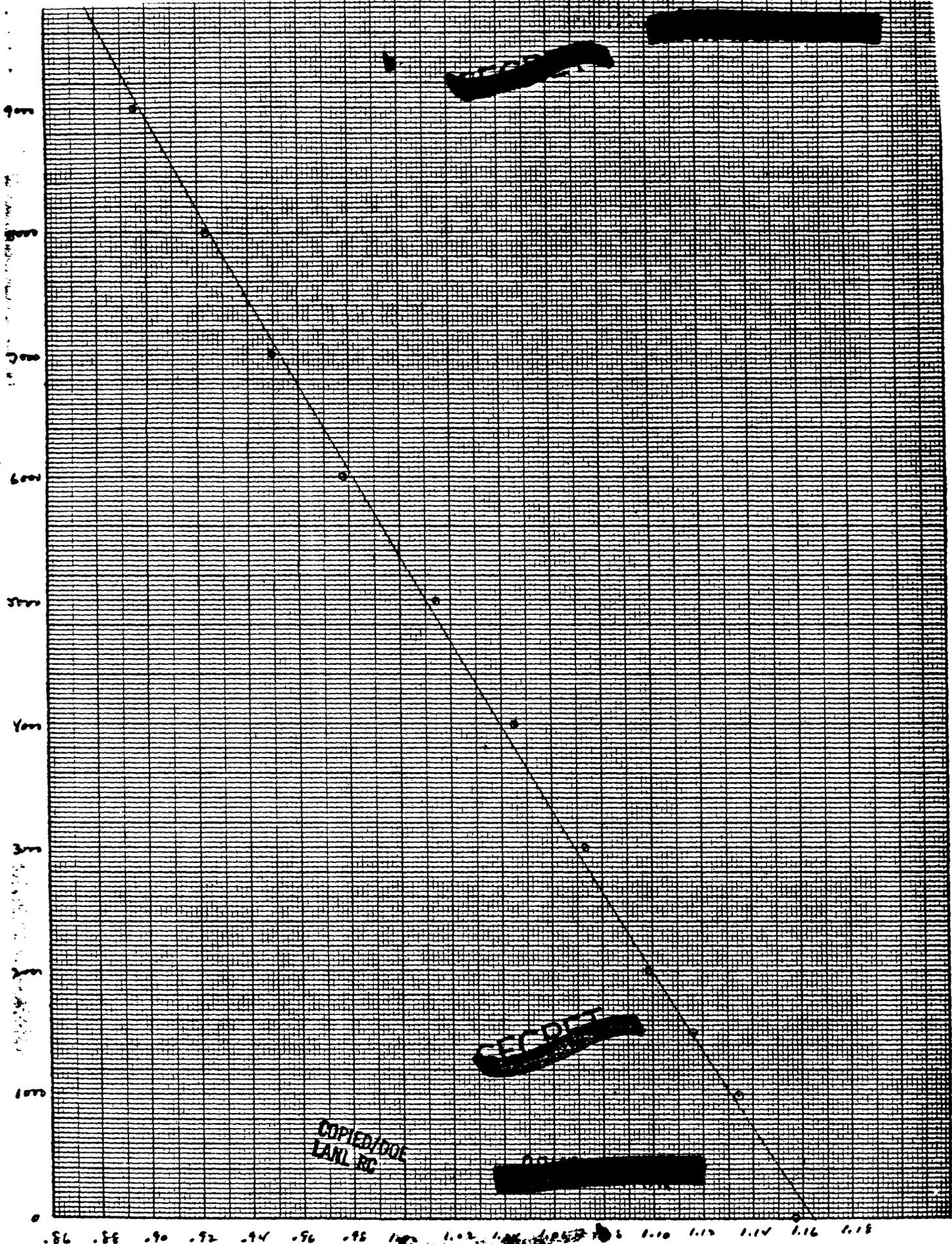
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300-14 REUPPEL & ESSER CO.
Millimeters, 5 mm. lines acented, cm. lines heavy.
MADE IN U.S.A.

ACT. (GF)



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