

JULY

377

JULY PRESSURES

0°	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170E	180	170W	
1012	1012	1012	1012	1012	1012	1011	1010	1009	1008	1008	1008	1008	1008	1008	1008	1009	1010	1011	1012	70 N
1012	1012	1012	1013	1012	1012	1011	1009	1009	1009	1009	1012	1015	1015	1012	1011					
160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10 W					
1011	1011	1011	1011	1010	1009	1008	1008	1007	1007	1007	1006	1006	1006	1006	1008	1009	1010	1011	1012	60
1013	1014	1016	1012	1011	1010	1010	1010	1010	1010	1009	1009	1011	1011	1010	1011					
1016	1016	1014	1012	1011	1009	1008	1007	1007	1006	1006	1004	1004	1005	1008	1010	1011	1012	1013	1017	50
1018	1019	1020	1019	1014	1009	1012	1013	1012	1011	1011	1012	1015	1017	1017	1017					
1016	1015	1014	1011	1008	1010	1007	1004	1003	1002	1001	1003	1005	1008	1009	1011	1014	1017	1019	1022	40
1025	1027	1026	1022	1014	1007	1012	1014	1015	1016	1018	1021	1023	1024	1023	1018					
1012	1013	1014	1010	1003	998	1001	993	998	1001	1001	1003	1004	1009	1010	1012	1016	1019	1021	1023	30
1024	1024	1022	1020	1015	1008	1012	1017	1017	1020	1022	1025	1026	1025	1021	1016					
1010	1009	1007	1006	1004	1000	1000	1002	1001	1000	1004	1004	1005	1008	1010	1012	1014	1016	1016	1017	20
1016	1016	1016	1015	1014	1012	1011	1016	1016	1017	1019	1020	1020	1018	1017	1012					
1012	1011	1011	1010	1008	1005	1006	1008	1006	1006	1008	1007	1007	1008	1009	1010	1011	1012	1012	1012	10 N
1011	1011	1011	1011	1011	1009	1009	1011	1012	1013	1014	1016	1016	1017	1018	1013					
1015	1015	1013	1014	1014	1012	1011	1011	1010	1010	1010	1010	1010	1009	1009	1009	1009	1009	1009	1009	EQUATOR
1010	1010	1011	1011	1011	1012	1012	1012	1012	1013	1013	1013	1012	1015	1015	1015					
1016	1015	1016	1017	1018	1016	1015	1015	1014	1013	1012	1012	1012	1012	1012	1012	1011	1011	1011	1011	10 S
1011	1012	1013	1013	1014	1015	1015	1015	1015	1013	1013	1015	1017	1016	1016	1016					
1021	1019	1020	1022	1020	1021	1020	1020	1020	1019	1018	1017	1017	1018	1017	1016	1016	1015	1015	1015	20
1015	1015	1015	1016	1017	1018	1020	1020	1018	1016	1015	1018	1021	1022	1022	1022					
1024	1022	1021	1022	1023	1024	1024	1025	1024	1023	1020	1019	1020	1021	1021	1019	1017	1017	1018	1018	30
1018	1016	1015	1017	1018	1019	1020	1021	1020	1018	1018	1020	1022	1022	1023	1024					
1018	1017	1017	1017	1017	1018	1019	1019	1019	1018	1016	1015	1016	1016	1016	1016	1016	1015	1013	1013	40
1013	1012	1014	1014	1015	1015	1015	1015	1015	1016	1016	1017	1017	1018	1018	1018					
1005	1004	1004	1003	1002	1002	1003	1003	1003	1004	1004	1005	1006	1006	1007	1007	1008	1007	1005	1003	50
1004	1005	1005	1004	1004	1004	1004	1005	1006	1005	1006	1005	1006	1006	1005	1005					
994	993	993	992	991	989	988	987	987	986	986	987	988	989	990	993	994	994	995	994	60 S
993	993	994	995	996	996	995	995	994	994	994	994	995	995	995	994					

MEAN PRESSURES ALONG LATITUDE LINES IN JULY

1010.7	1009.8	1012.0	1014.0	1013.2	1011.1	1010.6	1011.5	1013.9	1018.2	1020.4	1016.1	1004.7	992.3							
70 N	60	50	40	30	20	10	EQ	0	10 S	20	30	40	50	60 S						

WATER

A--Atlantic
P--Pacific
I--Indian Ocean

N--North America
S--South America
A--Africa
G--Greenland

LAND

A--Antarctica
EA--Eurasia

100

200 0 degrees

WINTER

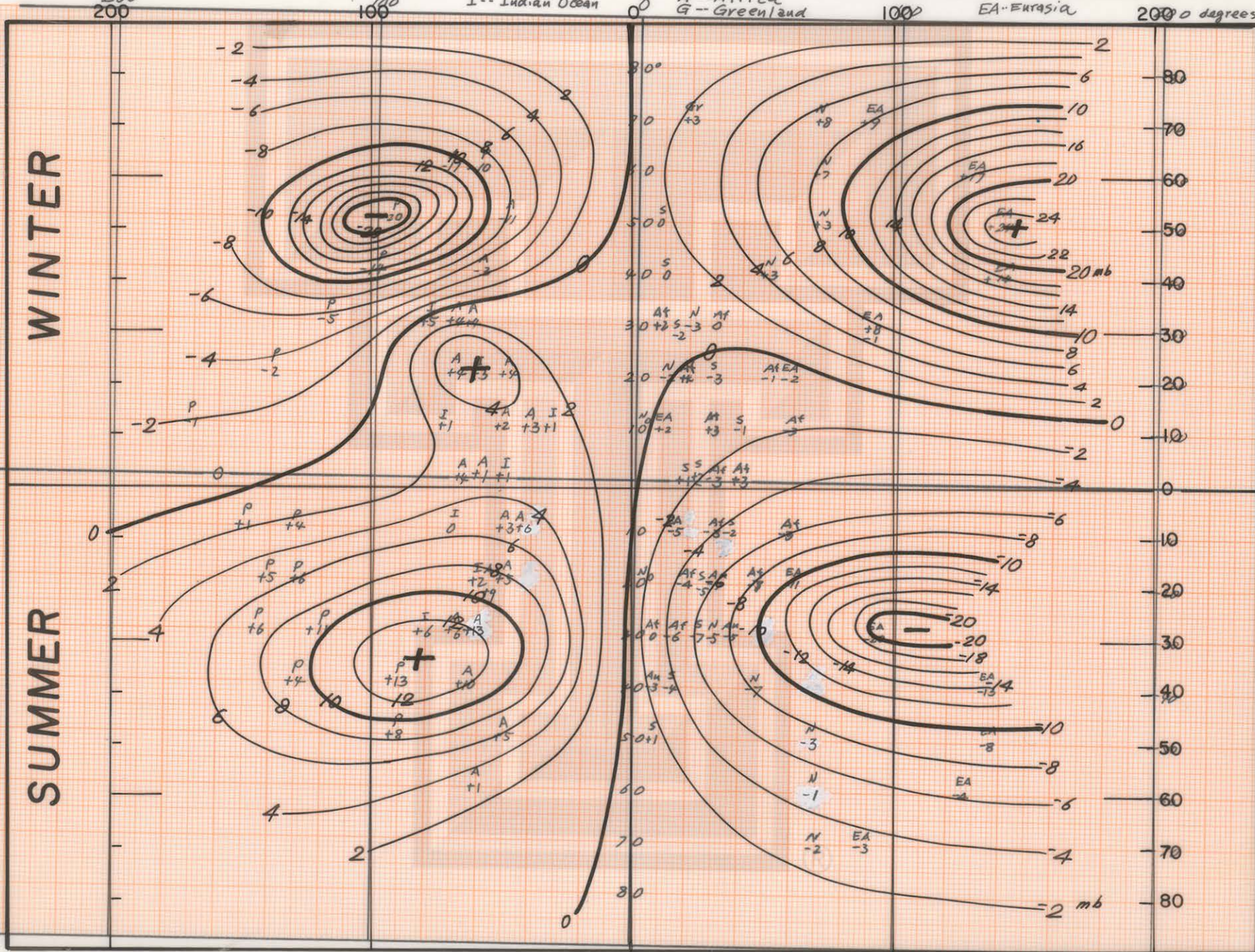
WINTER

WINTER

SUMMER

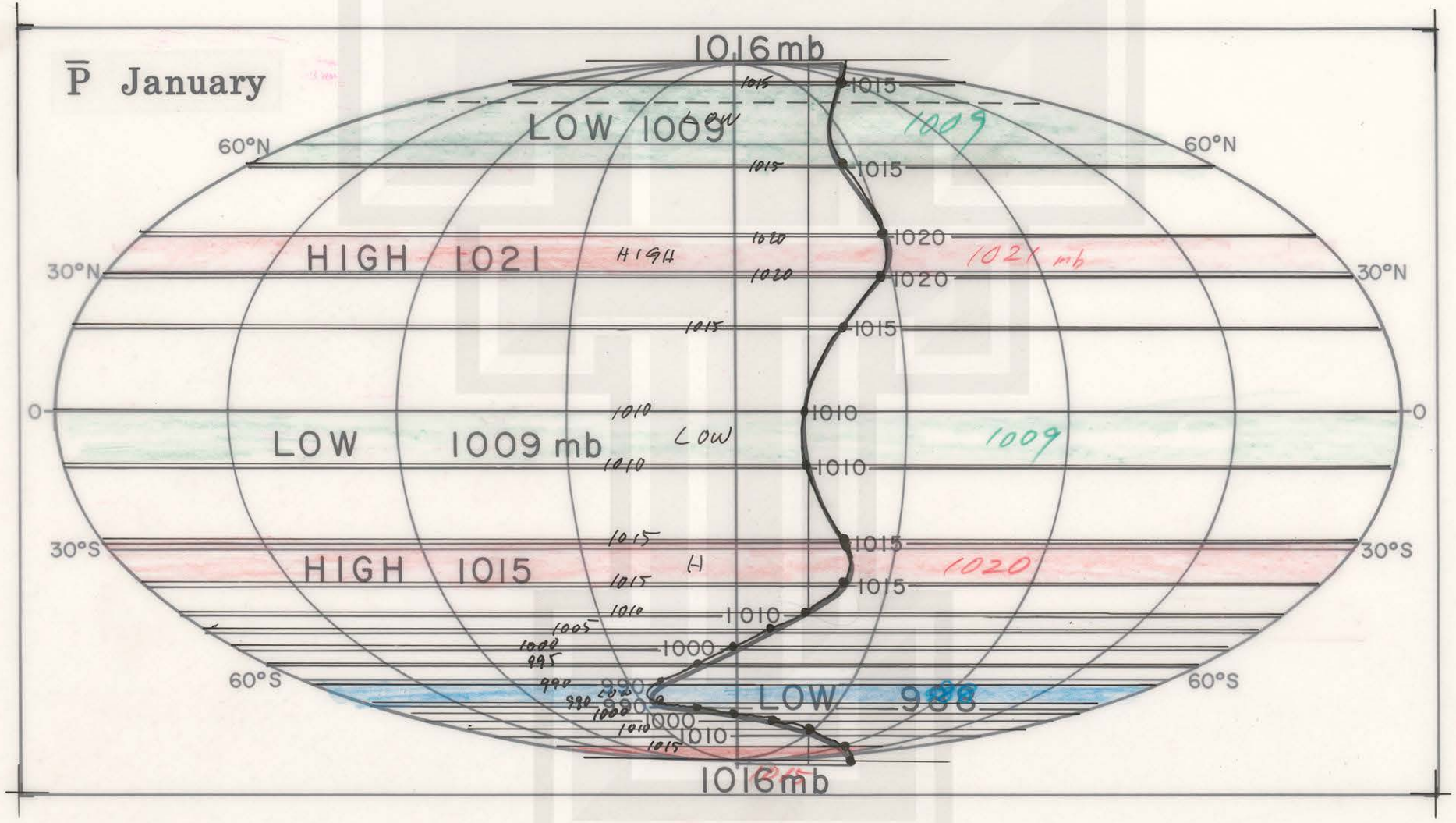
SUMMER

SUMMER



P JAN

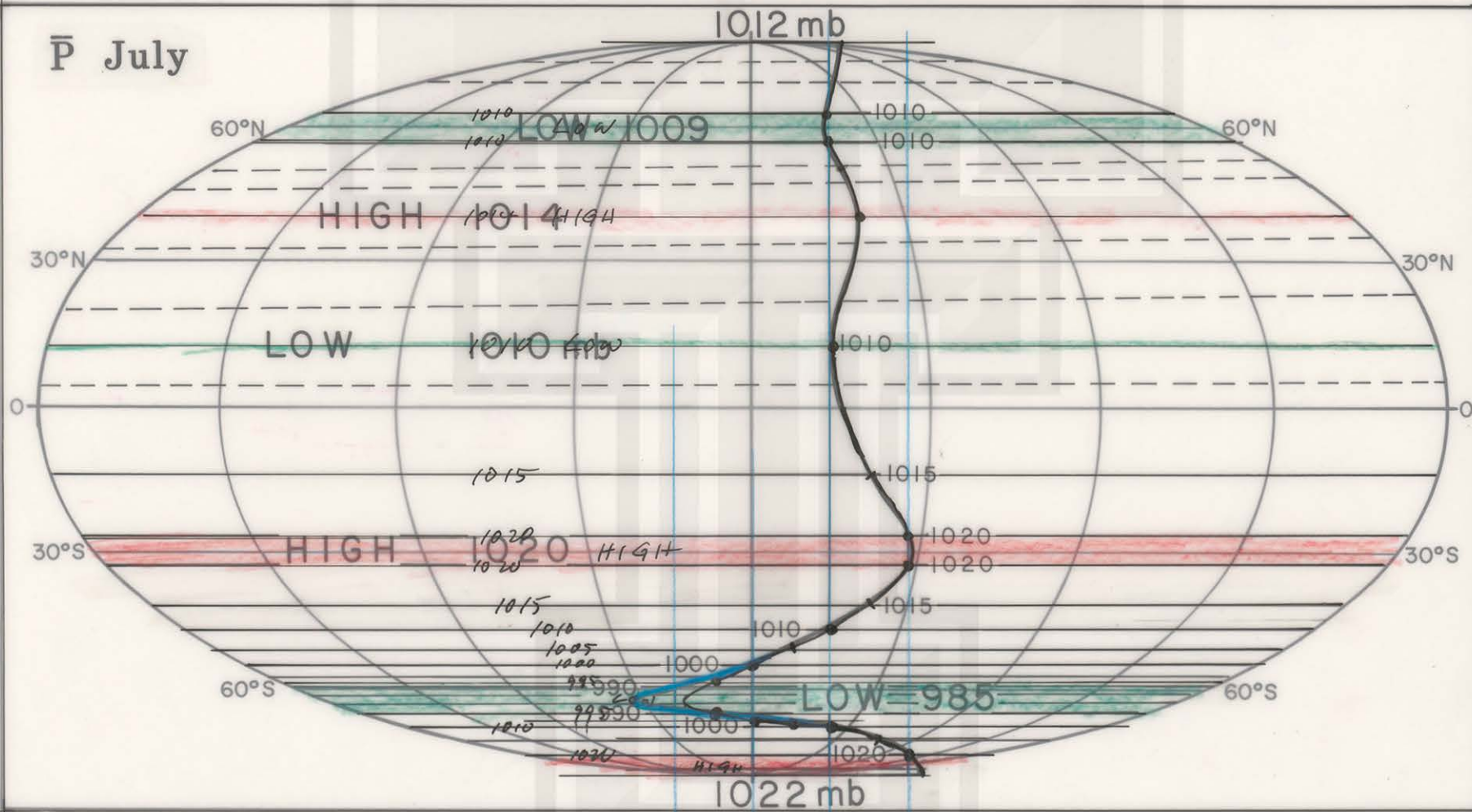
P January



JA

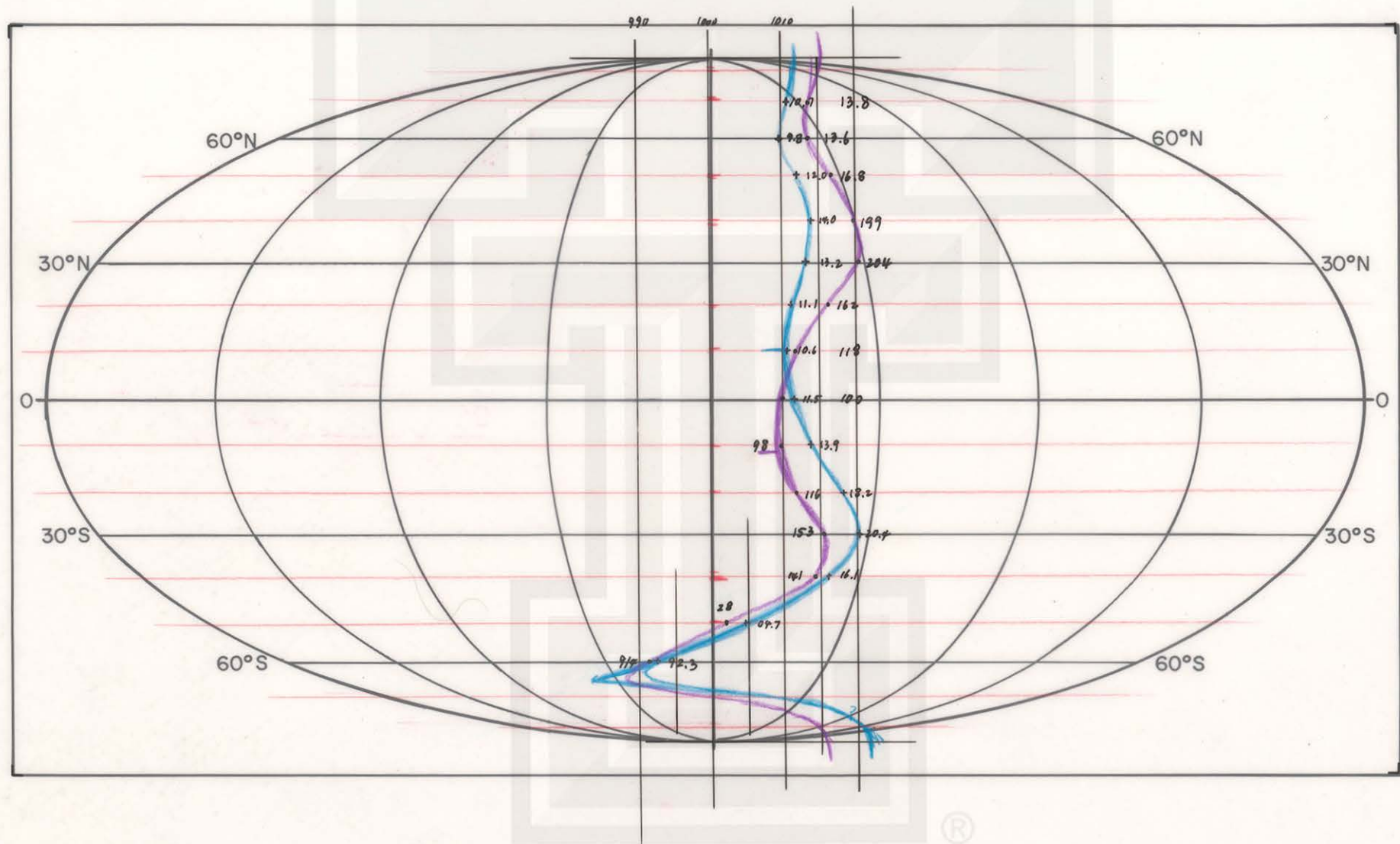
JULY

$\bar{P}$ July



• JAN

+ JUL



JANUARY

PRESENT CLIMATOLOGICAL MAP

990

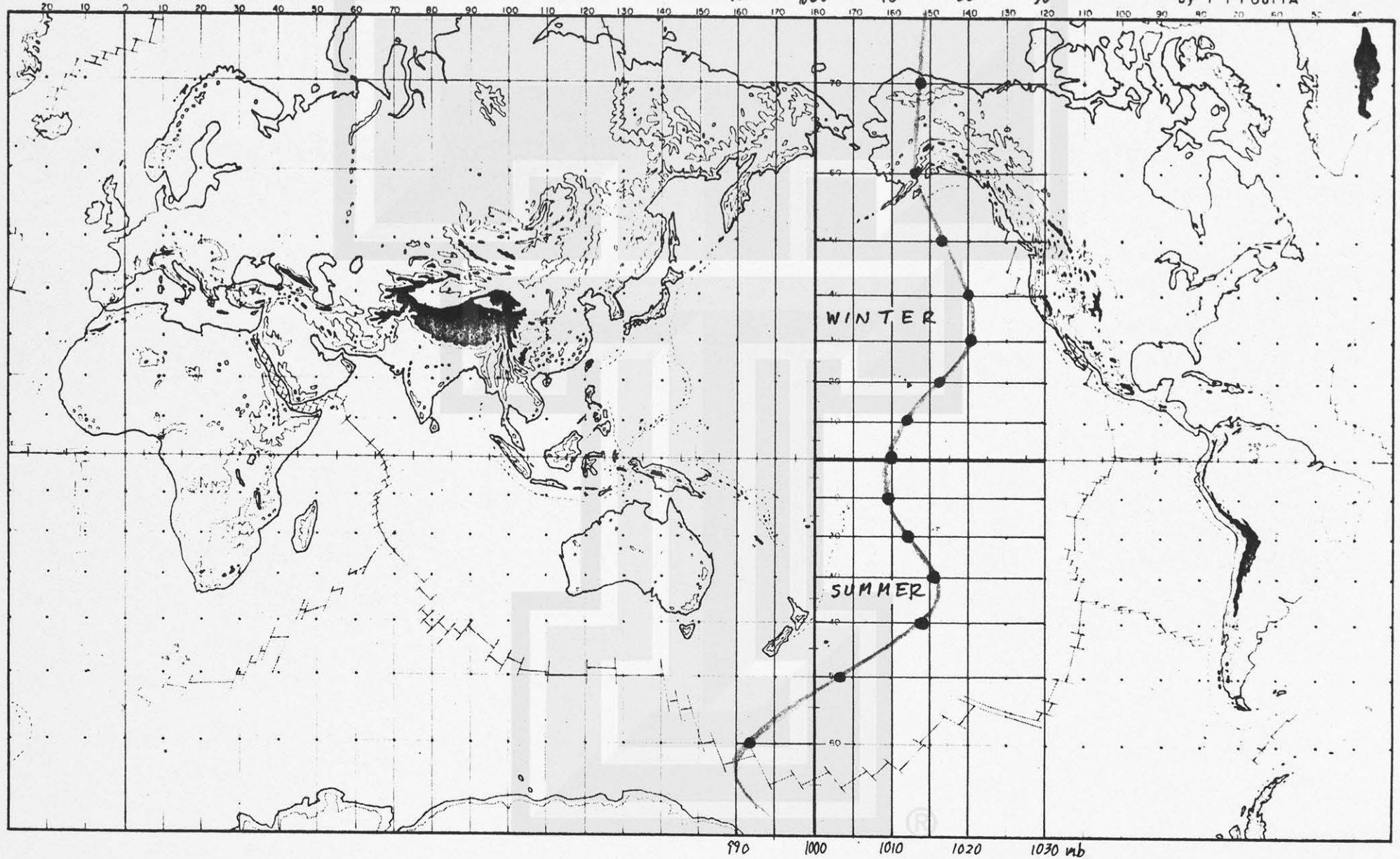
1000

10

20

30

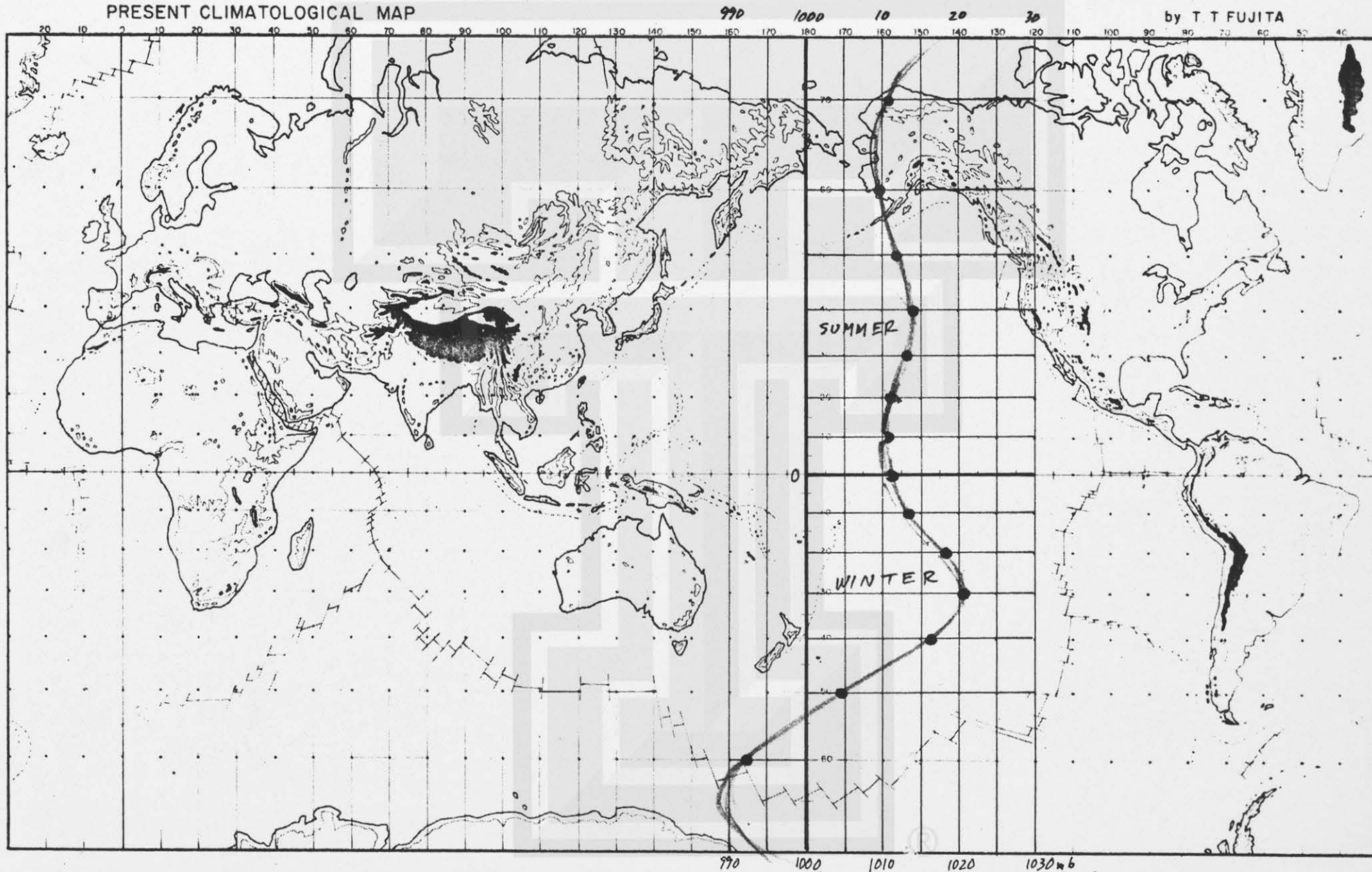
by T T FUJITA

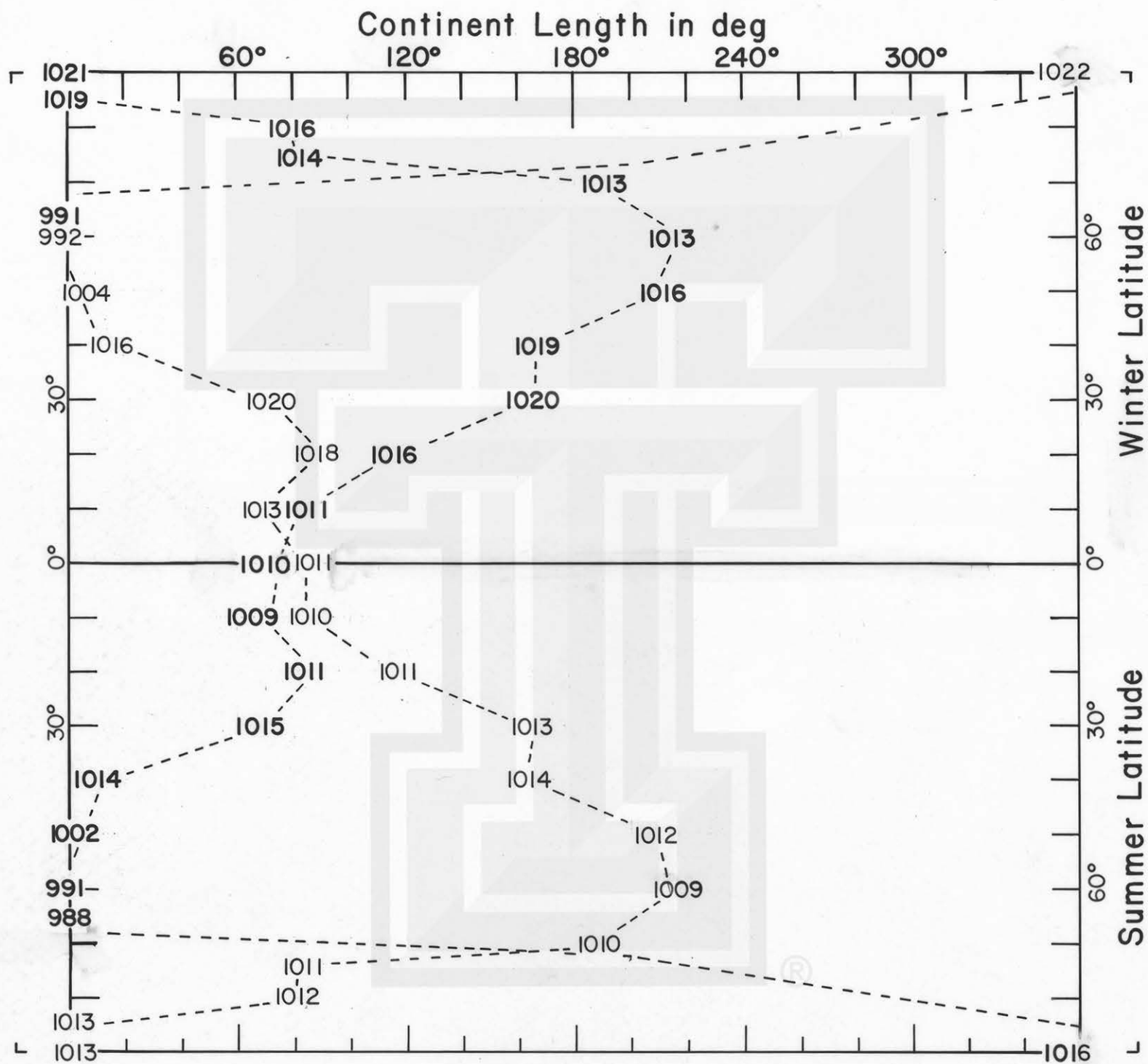


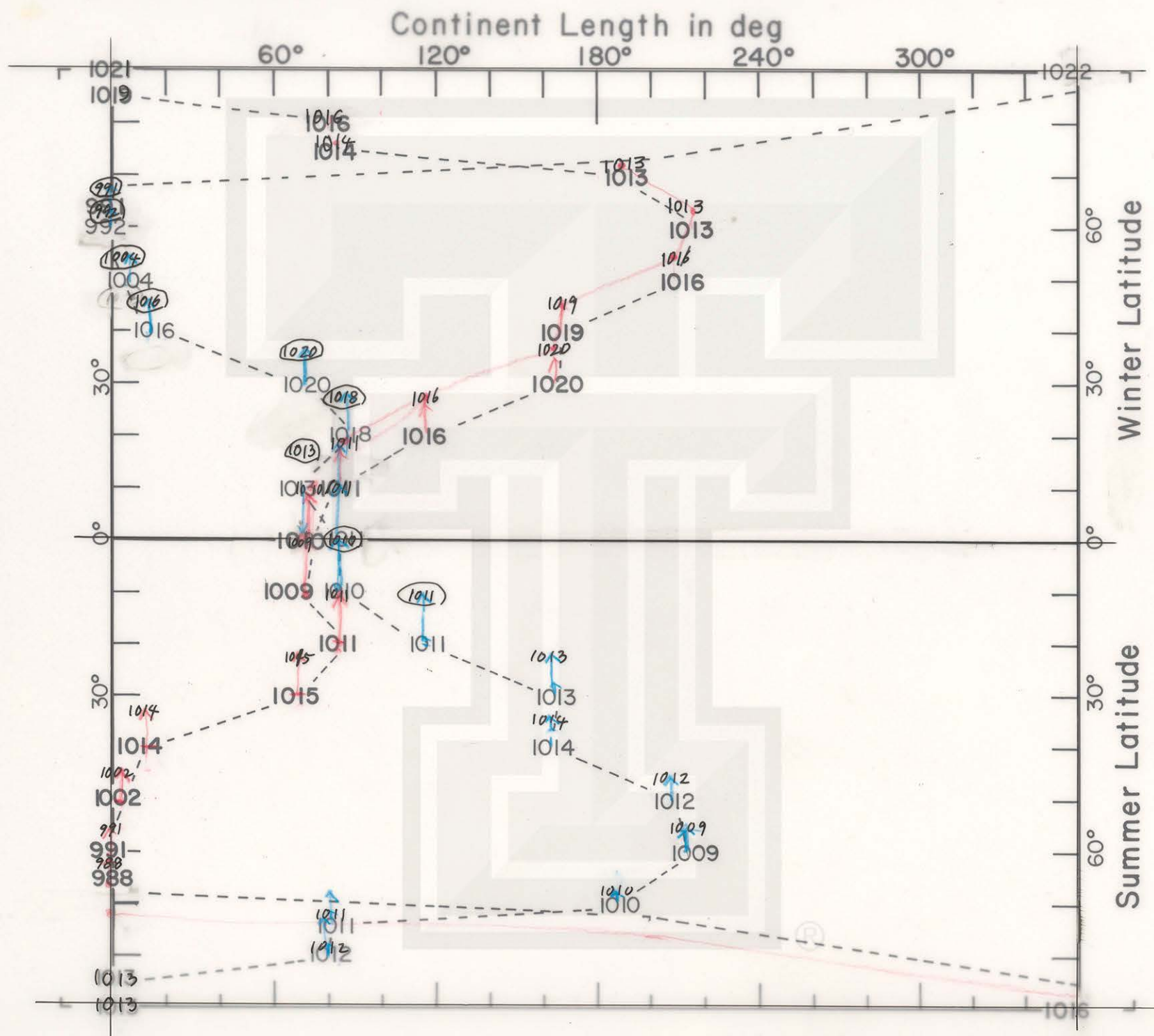
JULY

PRESENT CLIMATOLOGICAL MAP

by T. T. FUJITA

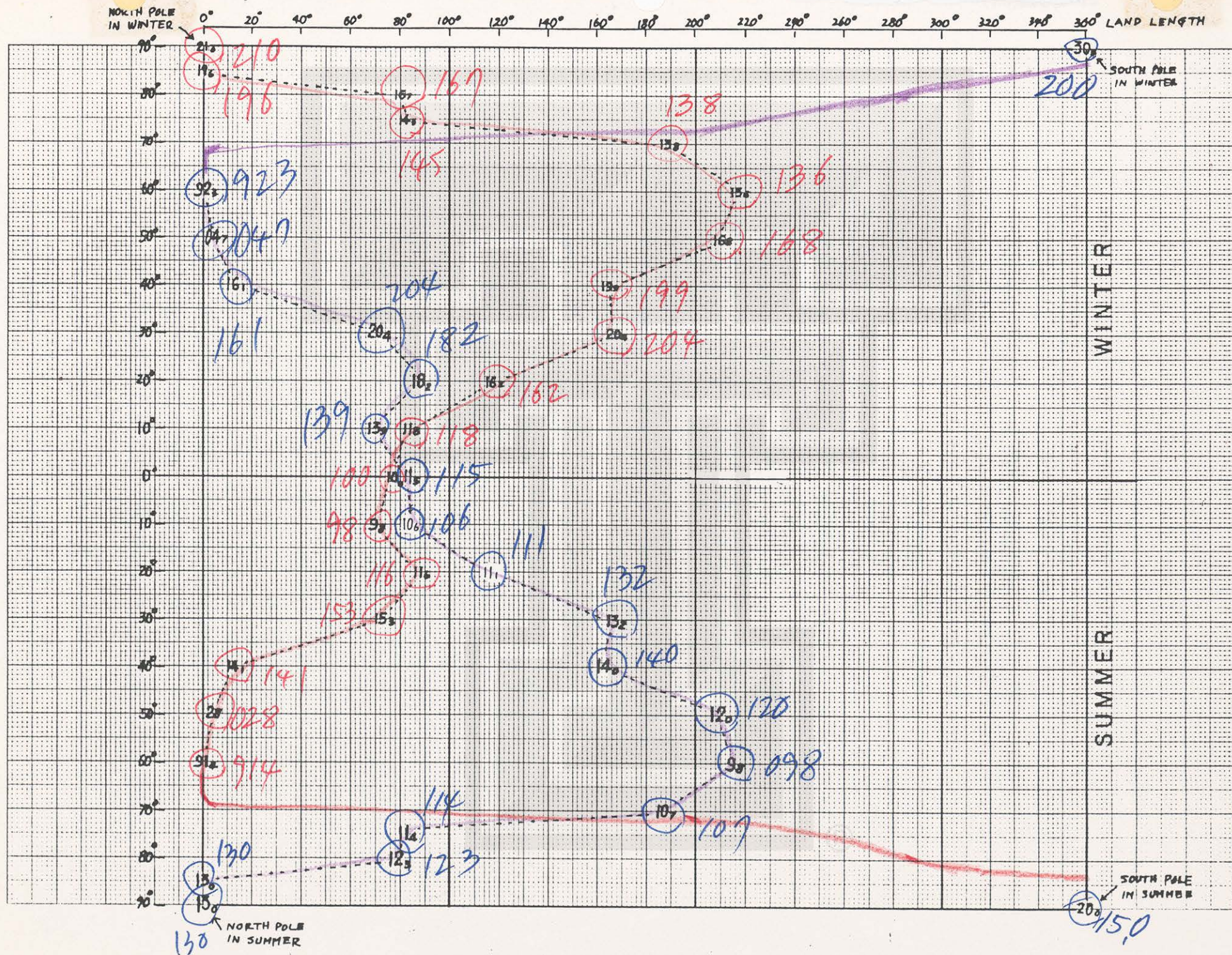


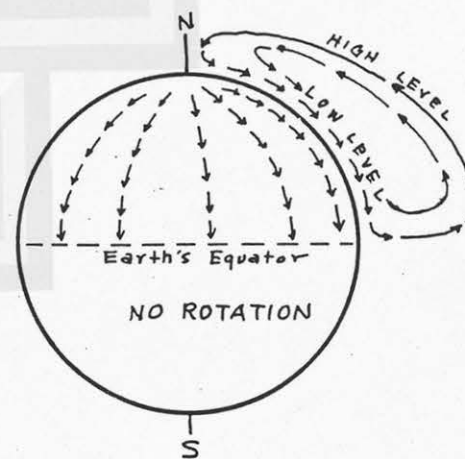
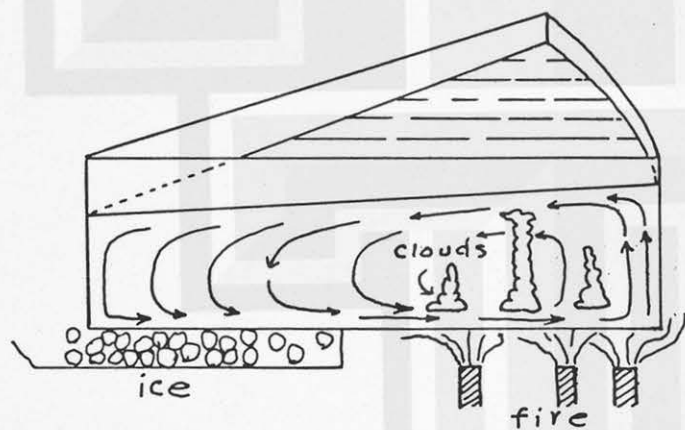


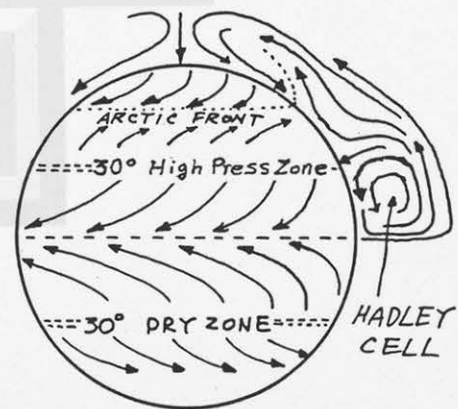
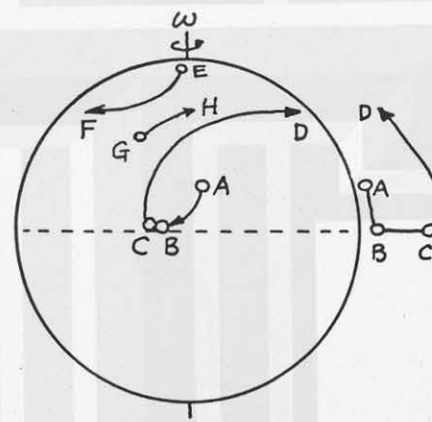
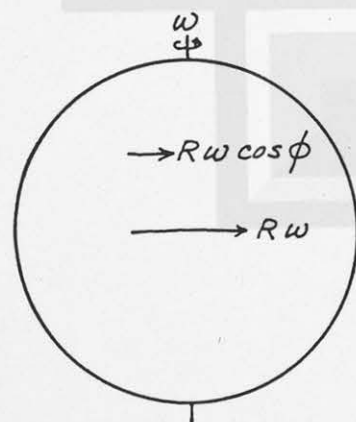


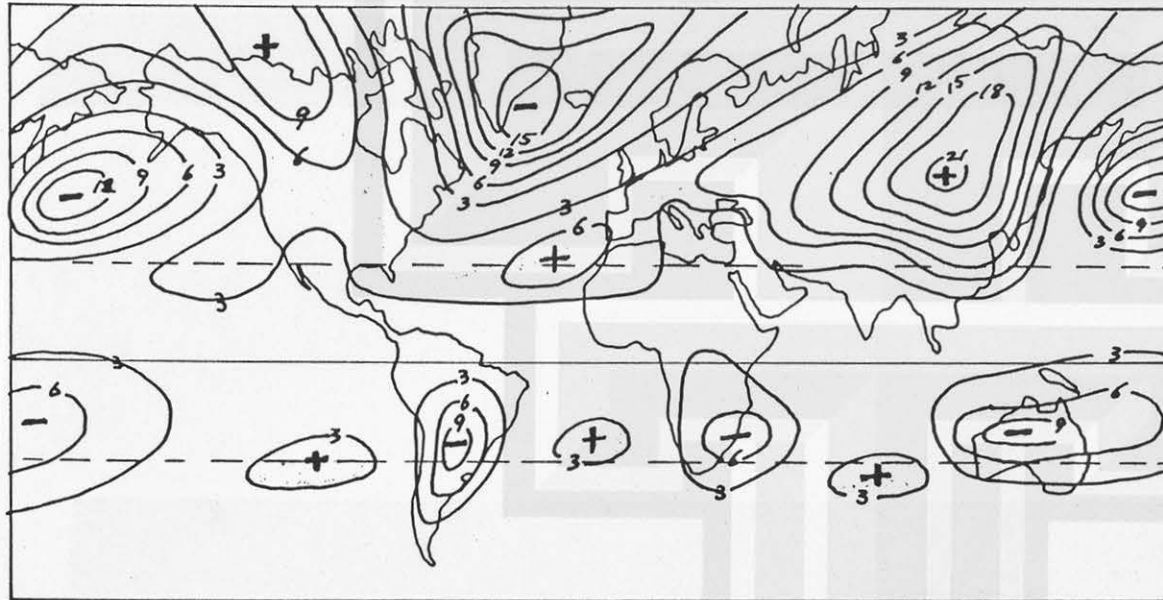
P

ZONAL MEAN SEA-LEVEL PRESSURE



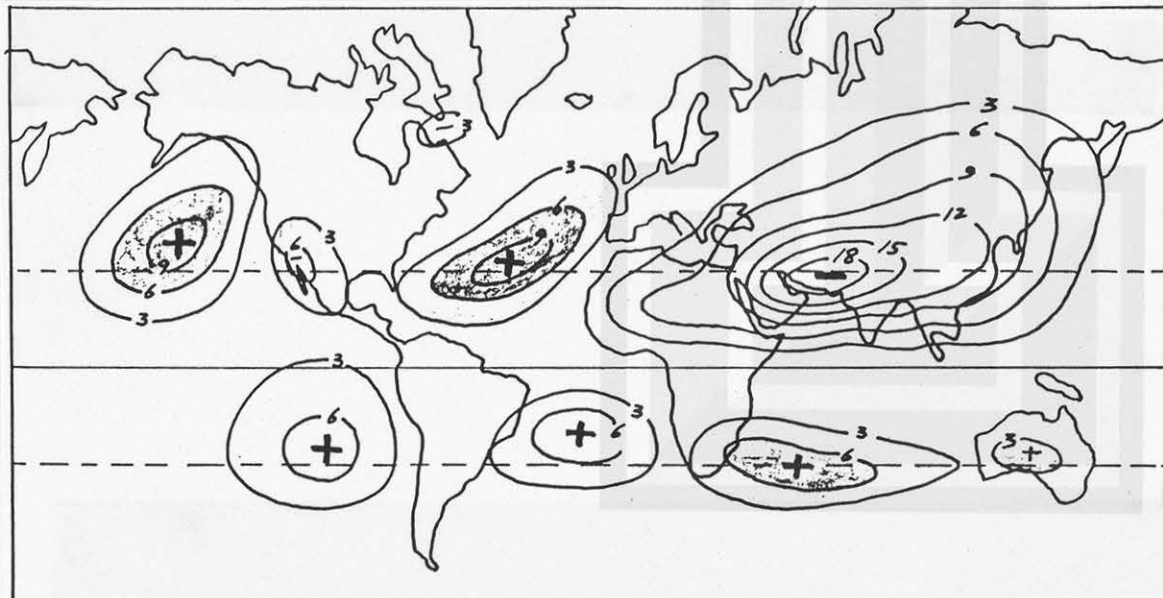






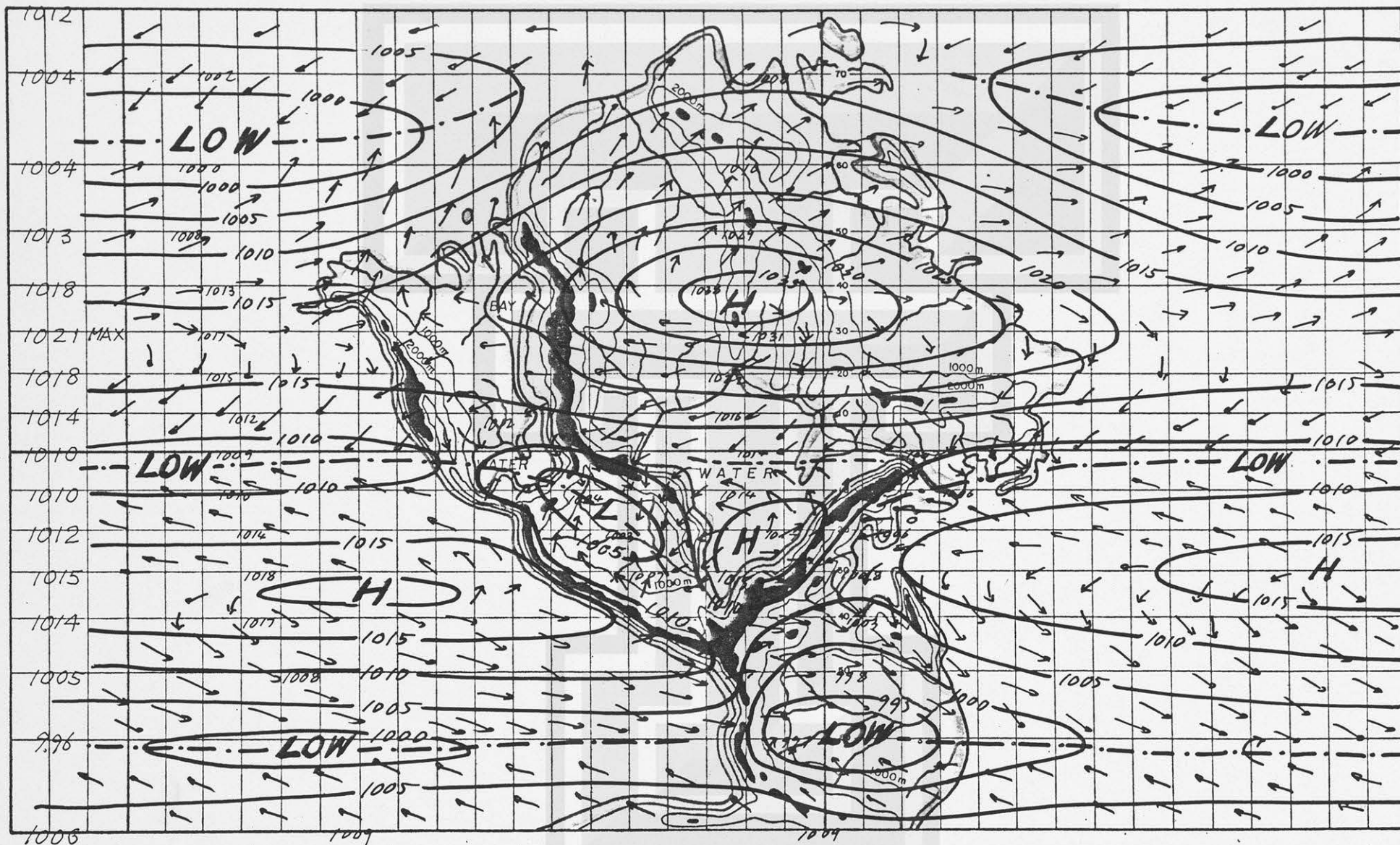
$$\Delta P = P_0 - \bar{P}$$

ΔP Jan.



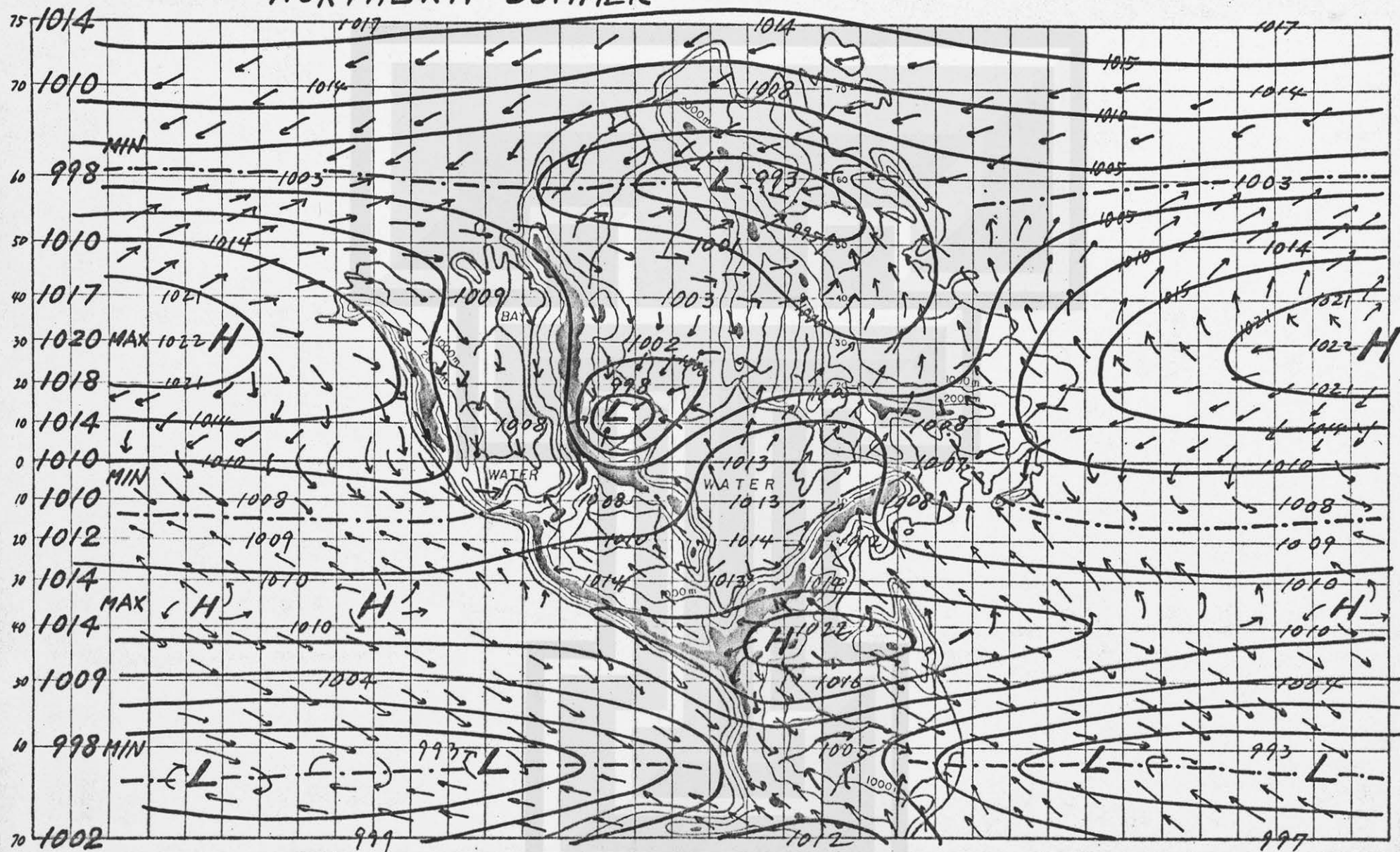
ΔP July

15

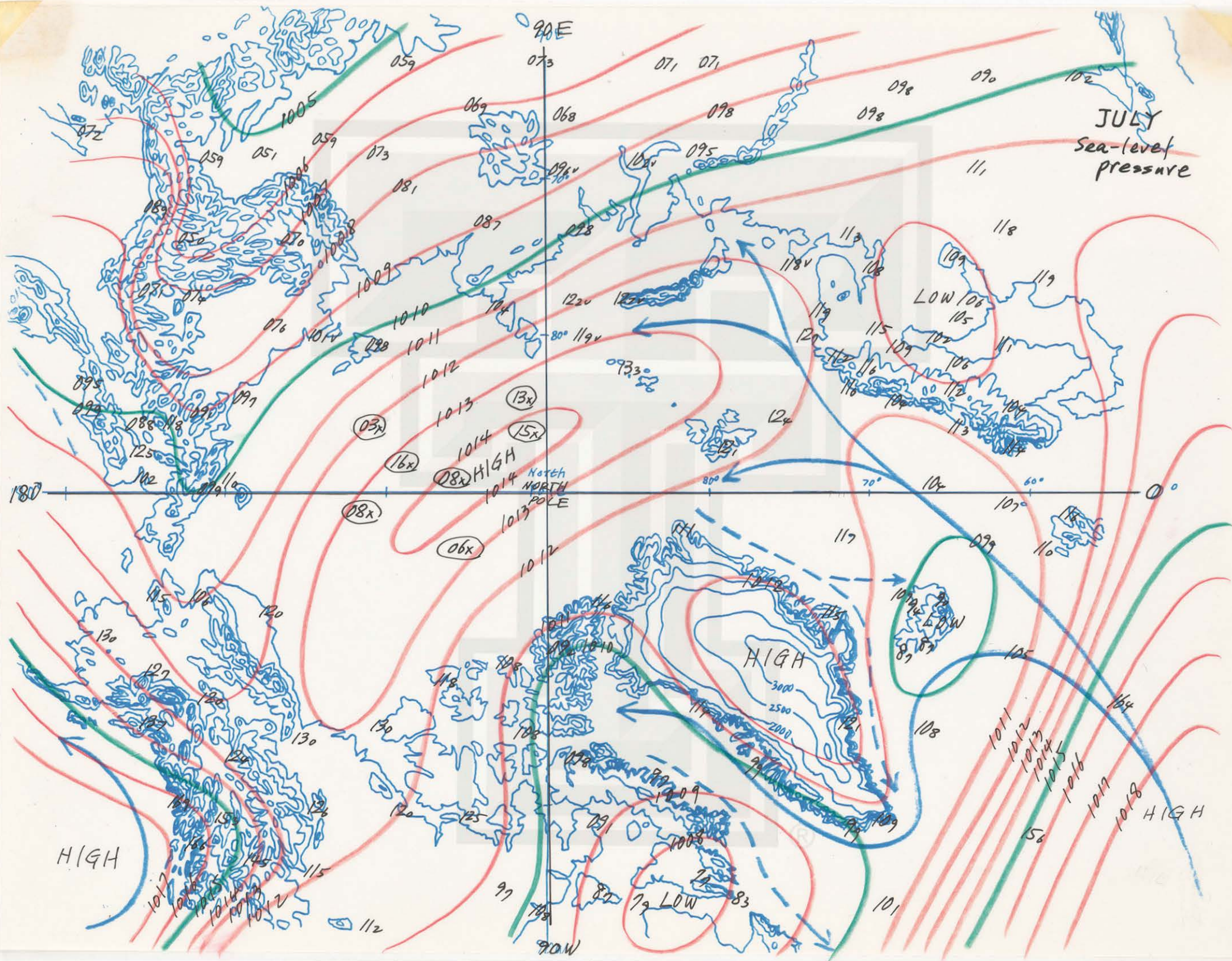


P

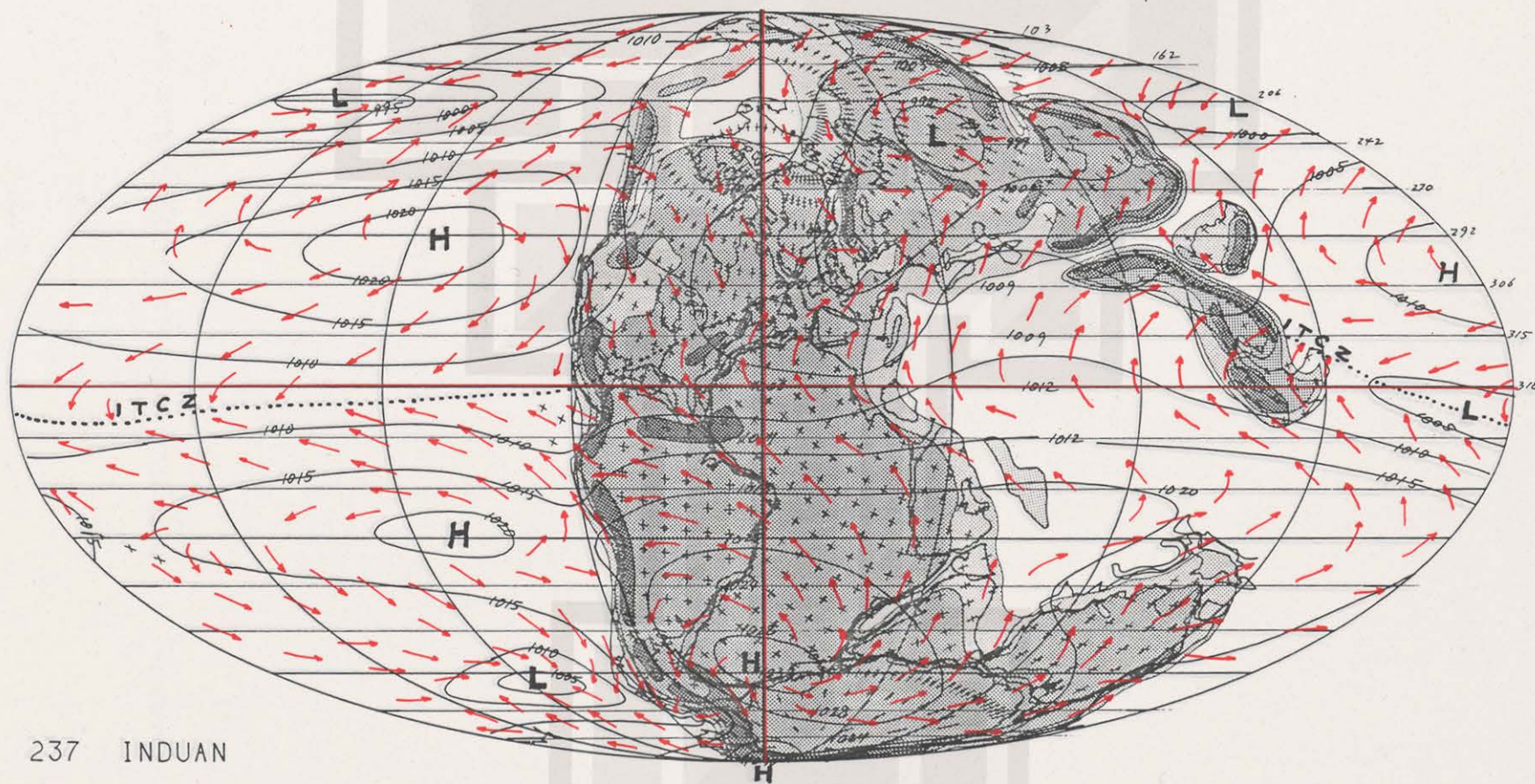
NORTHERN SUMMER



T. T. FUJITA 1983

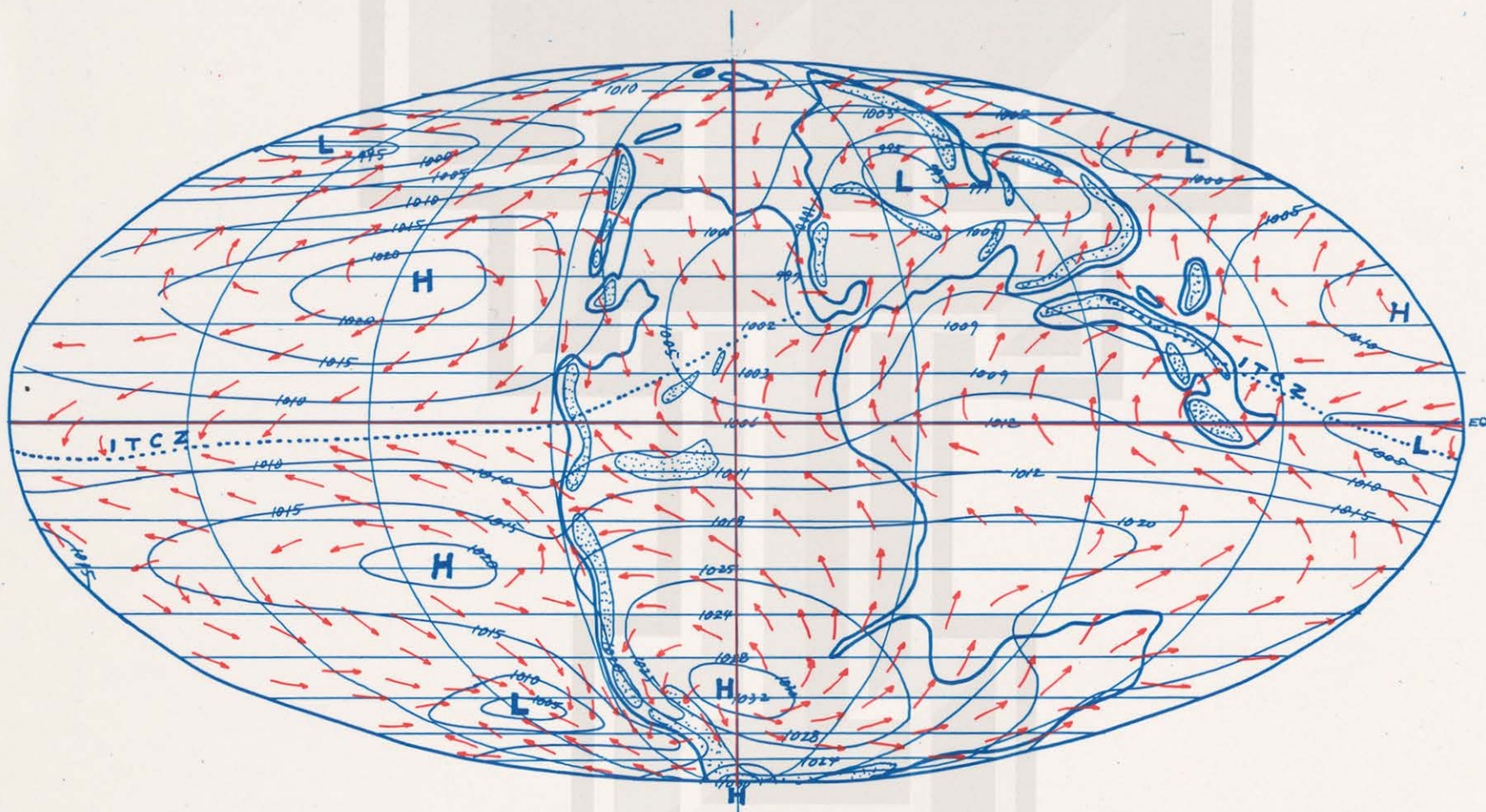


JULY



237 INDUAN

JULY



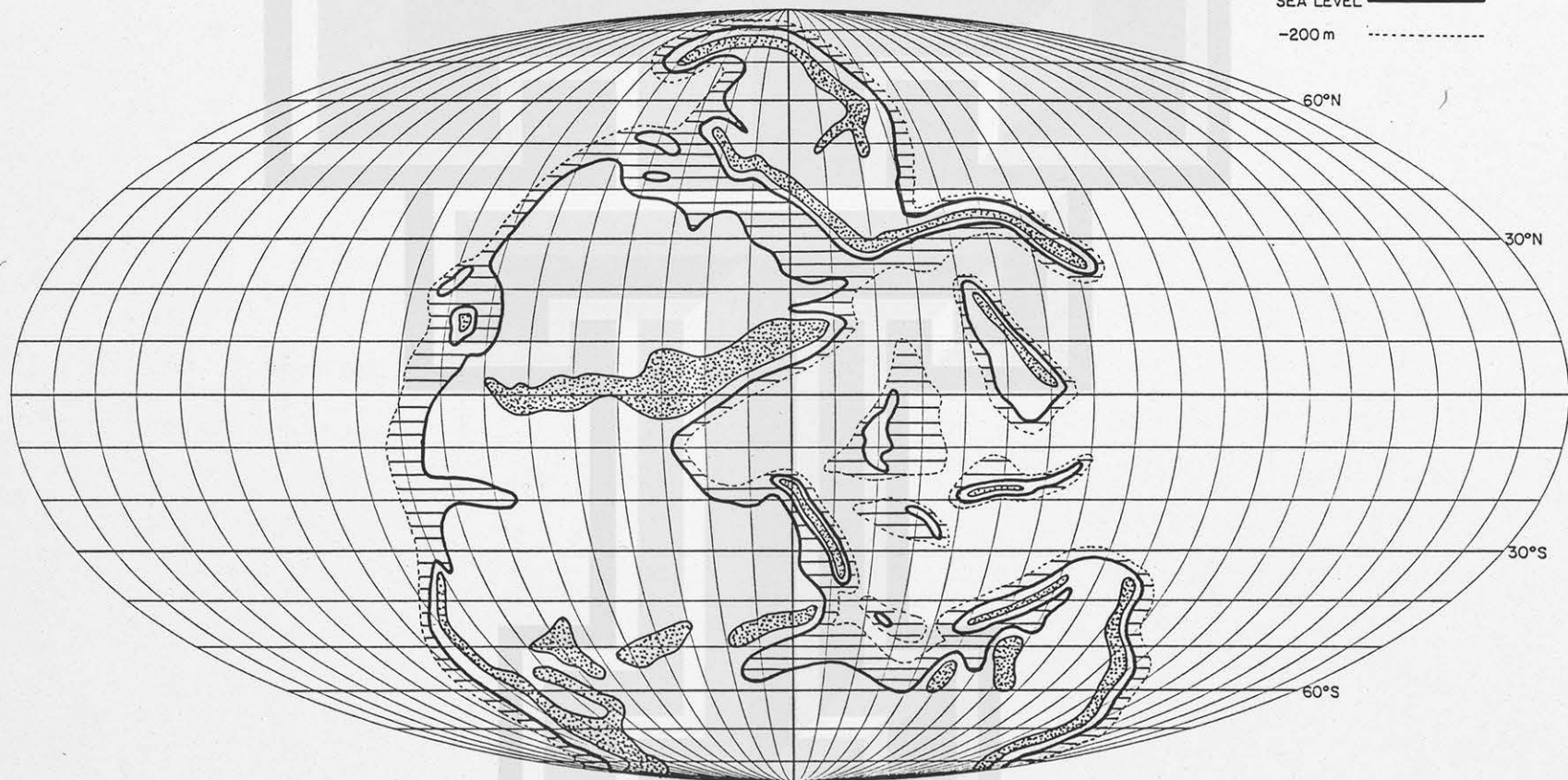


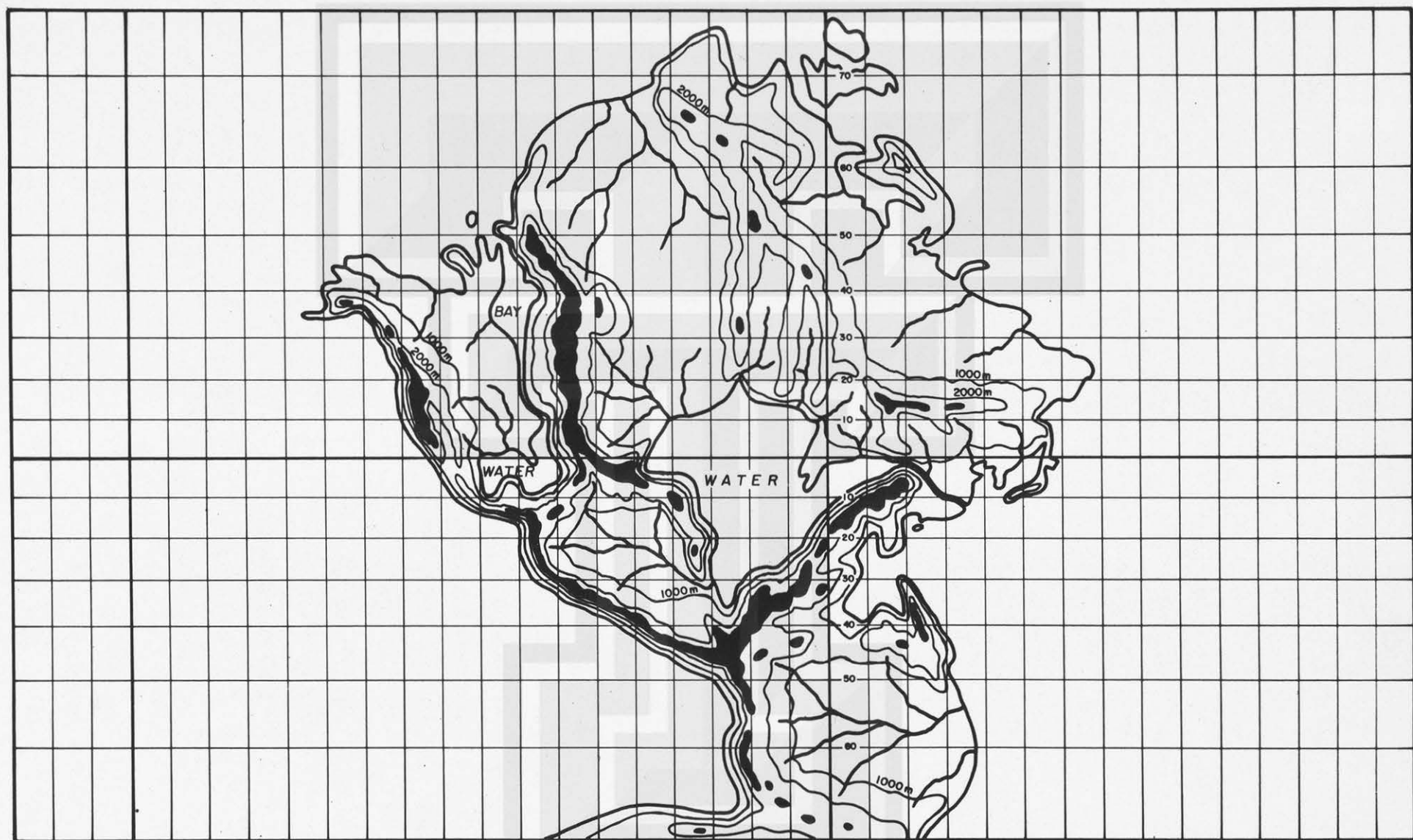
EARLY PERMIAN -270 mybp

1,000 m —————

SEA LEVEL —————

-200 m - - - - -





⁶
-280

P729 70%

SAKMARIAN JANUARY

WINTER

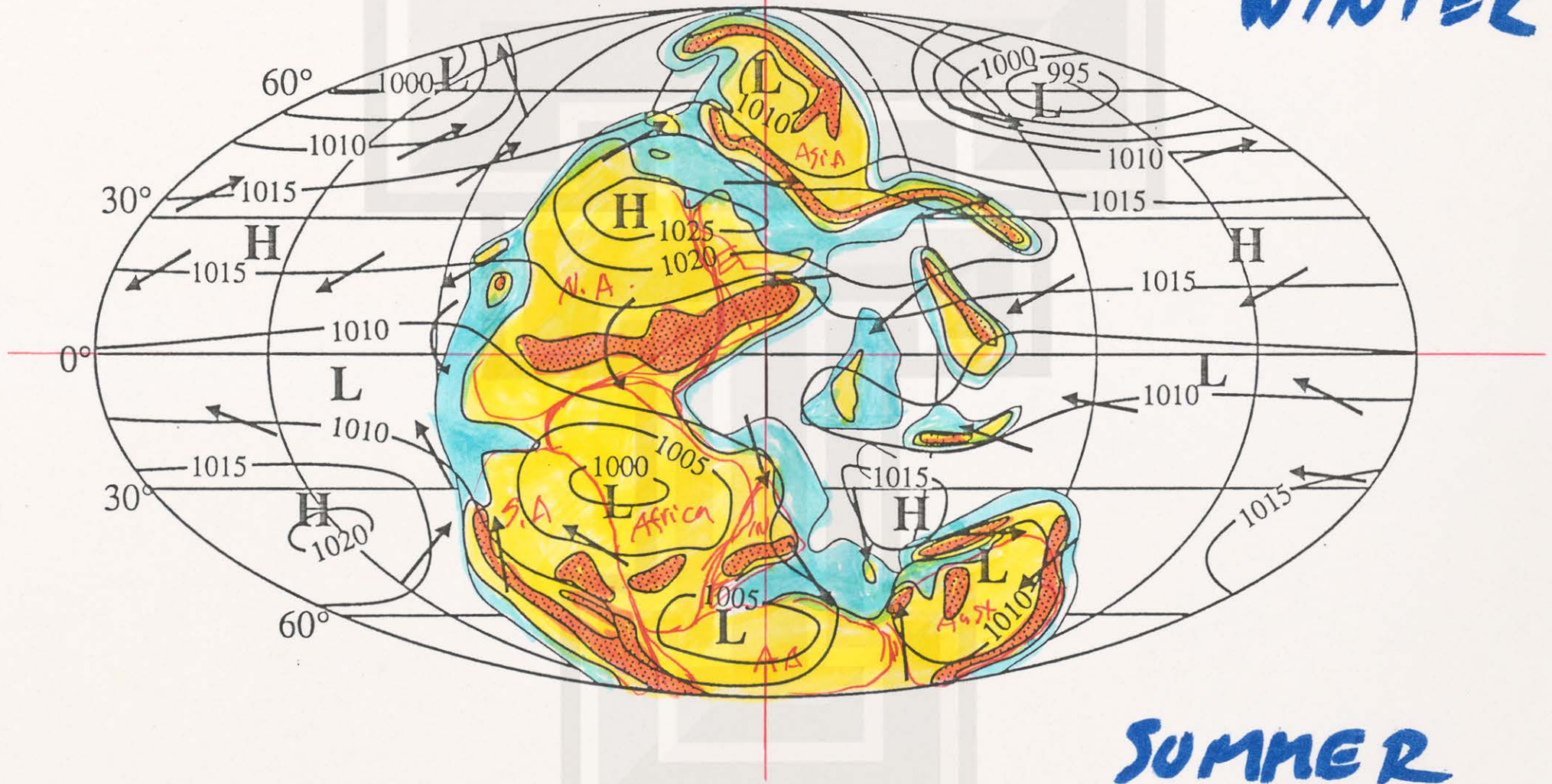
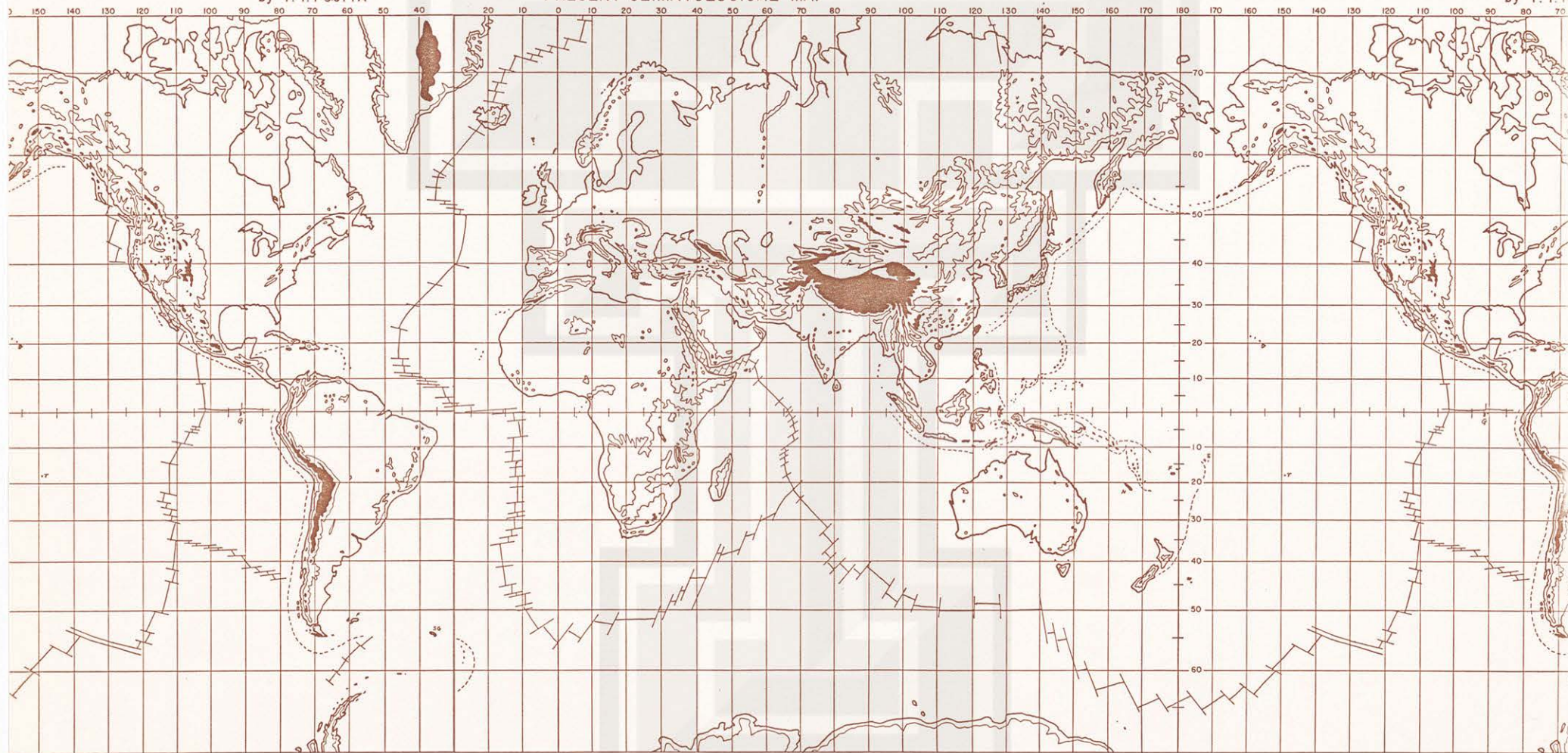


Figure 7 - Patzkowsky et al.

by T. T. FUJITA

PRESENT CLIMATOLOGICAL MAP

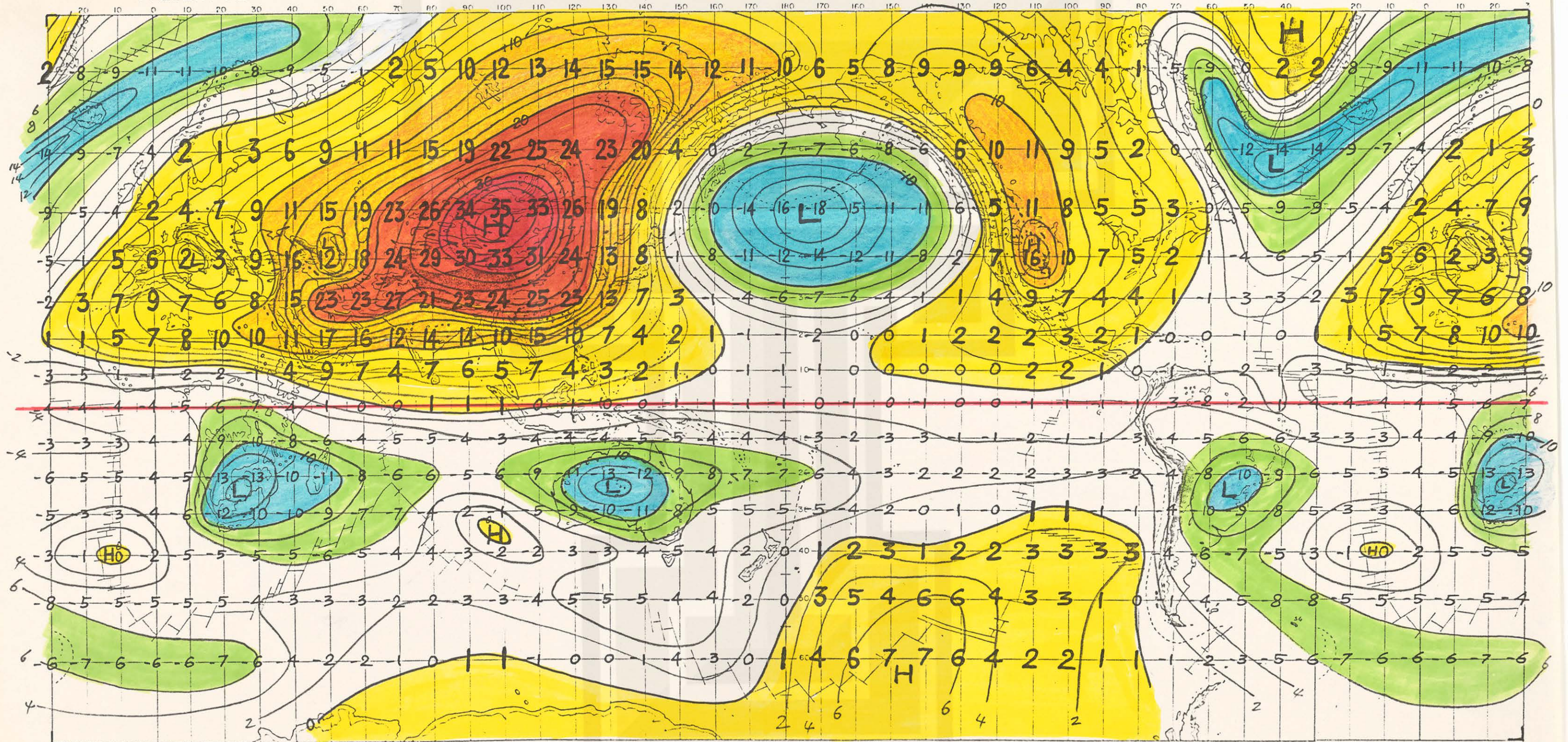
by T. T. F.



JAN - JUL SURFACE PRESSURE (mb) -15 10
Negative Positive

PRESENT CLIMATOLOGICAL MAP

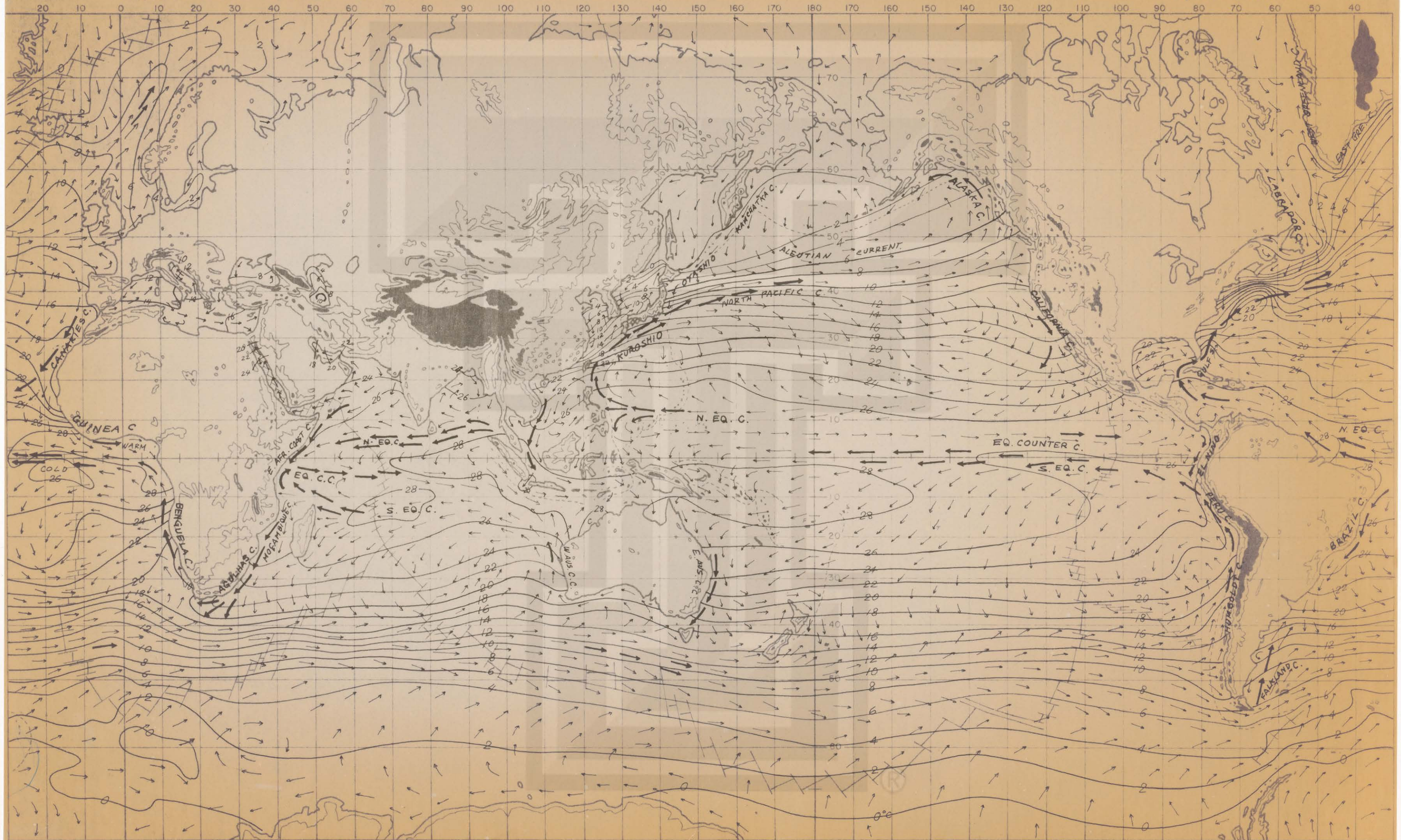
by T.T. FUJITA



PRESENT CLIMATOLOGICAL MAP

JANUARY TEMP. & CURRENT

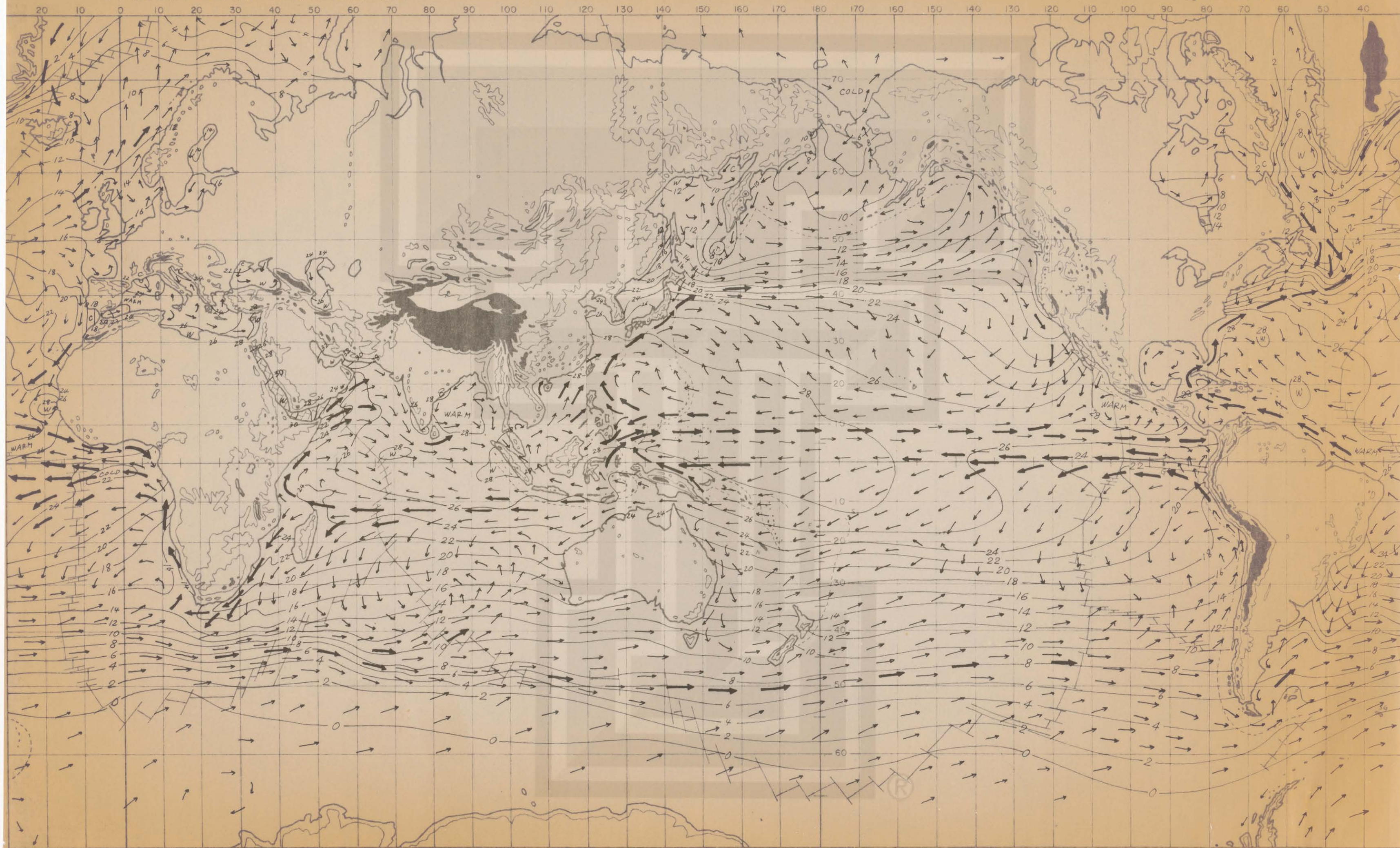
by T. T. FUJITA

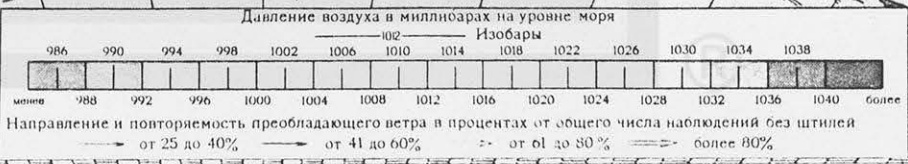
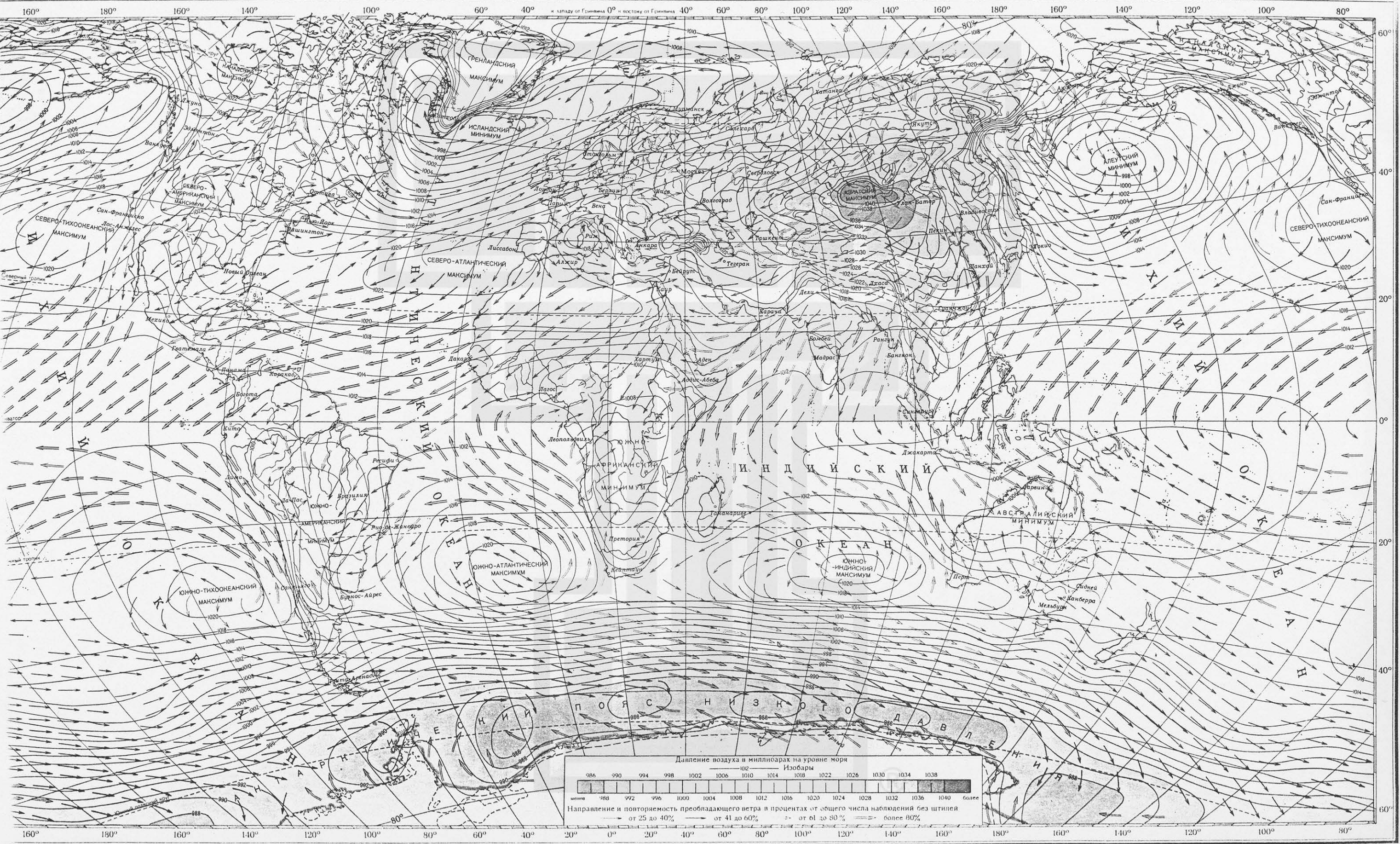


PRESENT CLIMATOLOGICAL MAP

JULY TEMP. & CURRENT

by T. T. FUJITA





Масштаб 1:80 000 000

0 800 1600 2400 3200 4000 км

Карта разработана в Главной геофизической обсерватории ГИГМС при Совете Министров СССР В.И. Липовской, В.В. Голыги, О.М. Чаловой и В.М. Шапалов под общей редакцией О.М. Чаловой и В.М. Шапалова

Составлена в Муниципальном географическом институте ГИИ ГИИ СССР по материалам ГИГМС