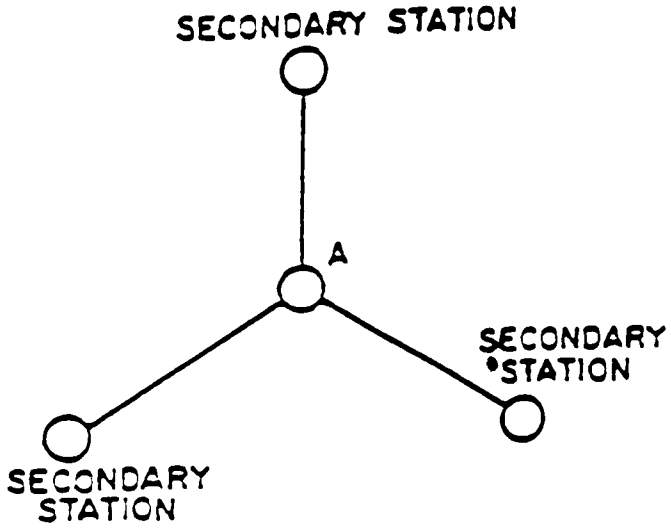
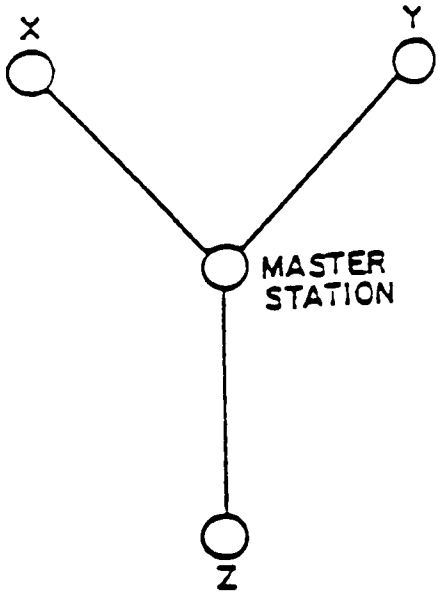
CHAPTER 3
NAVIGATION GENERAL



D001NG

D002NG: RESERVED



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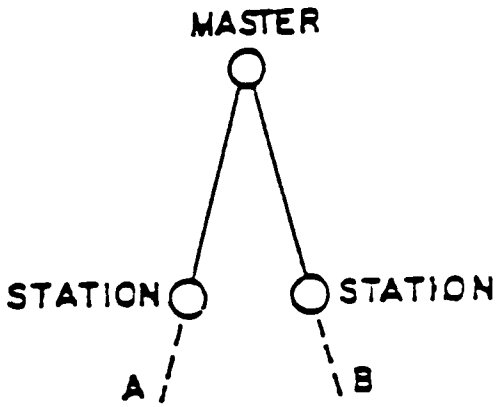

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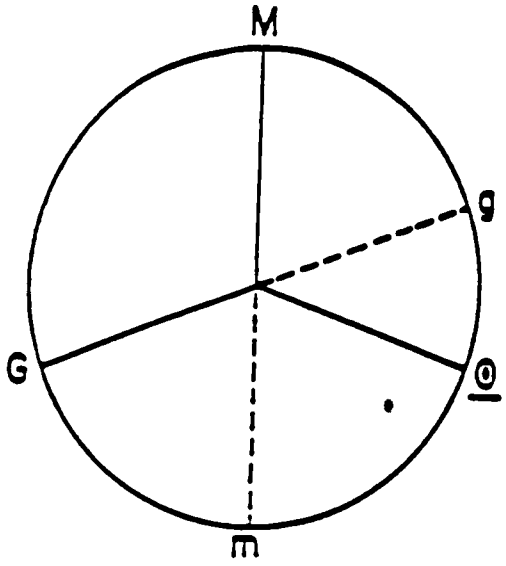

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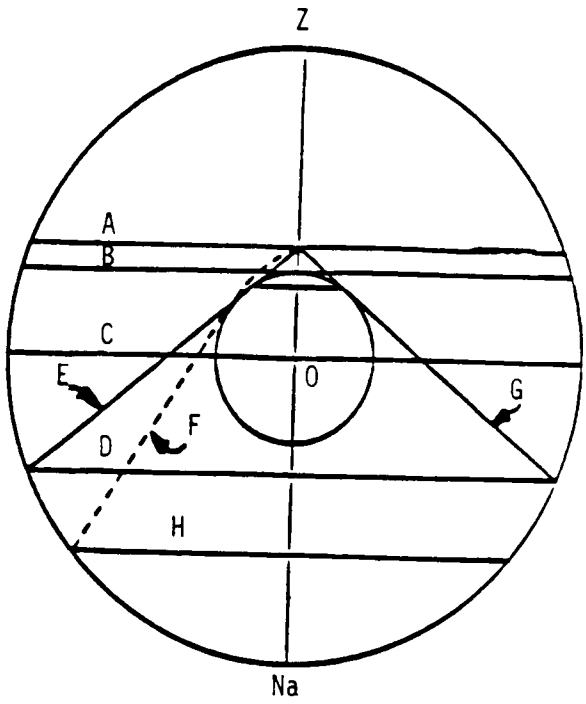

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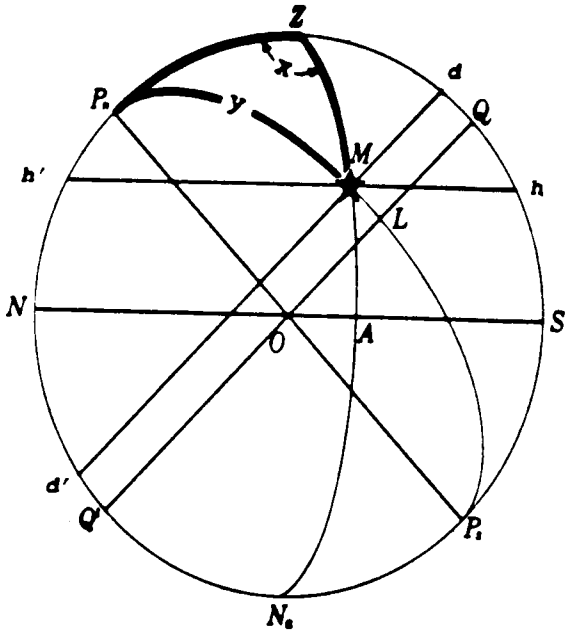

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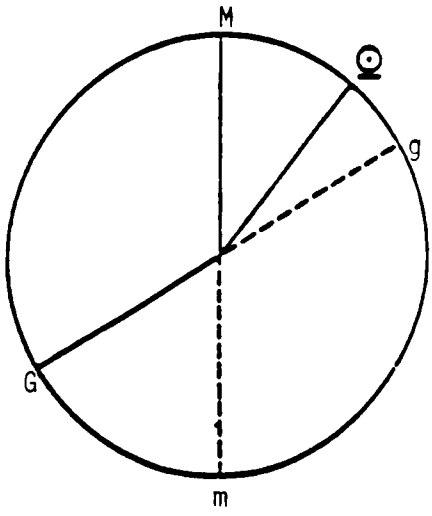

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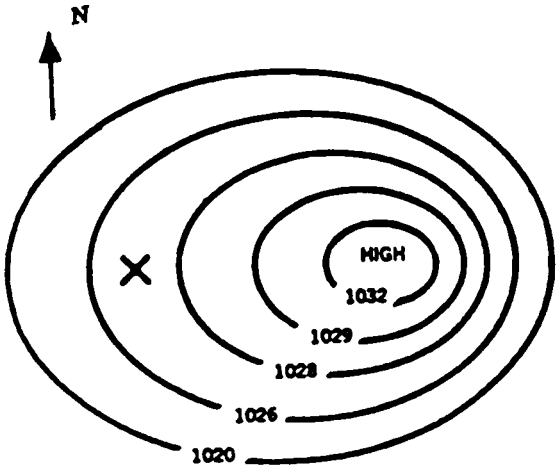

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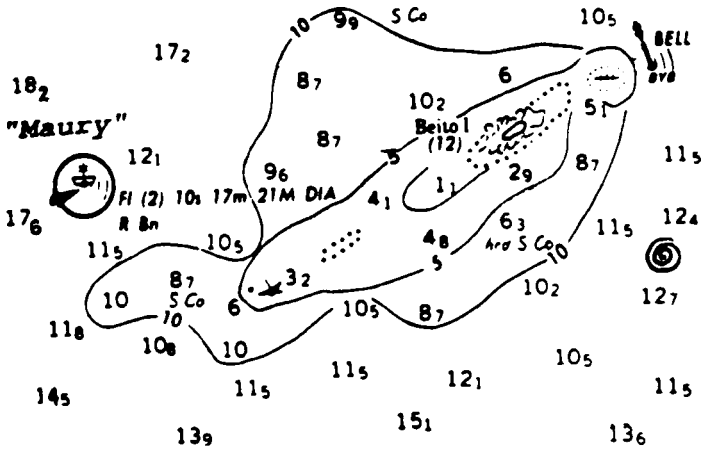

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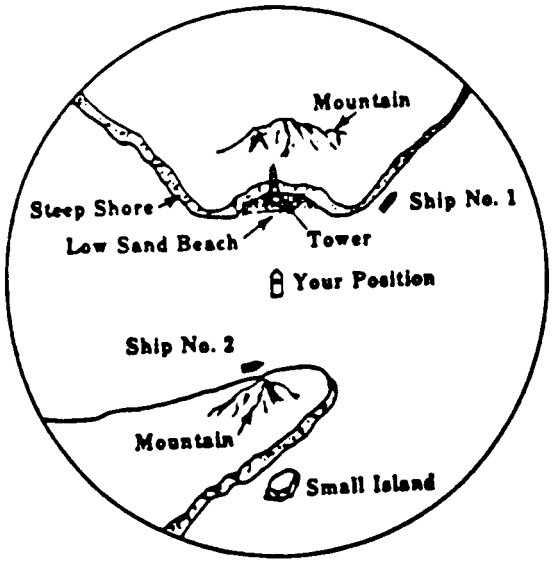

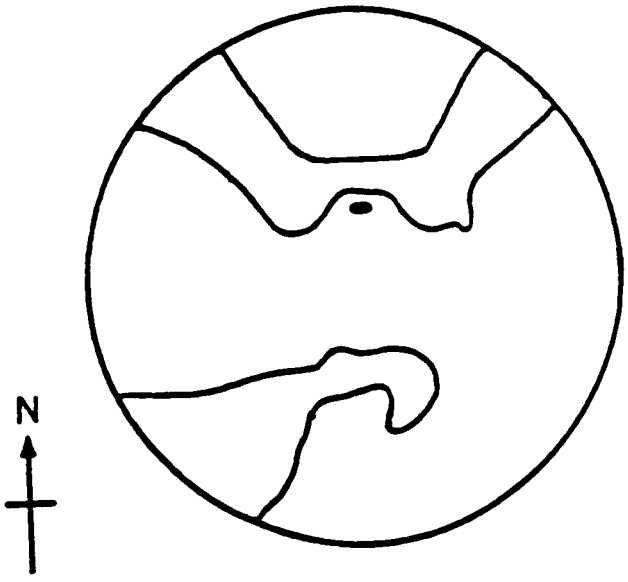

D011NG

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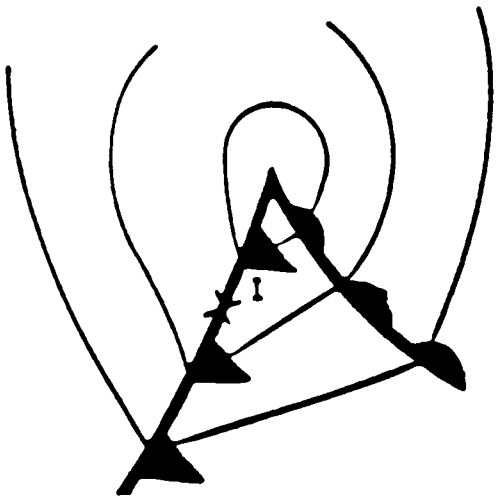
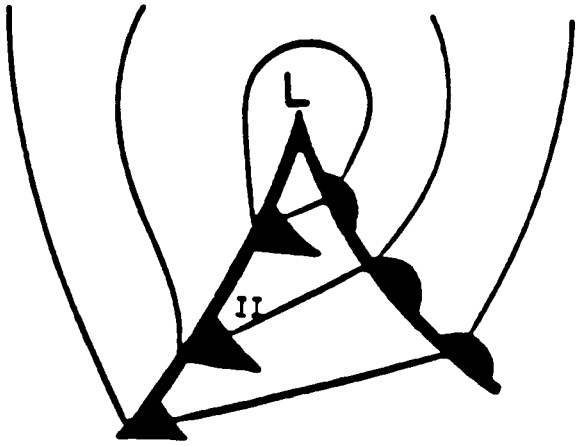


D013NG

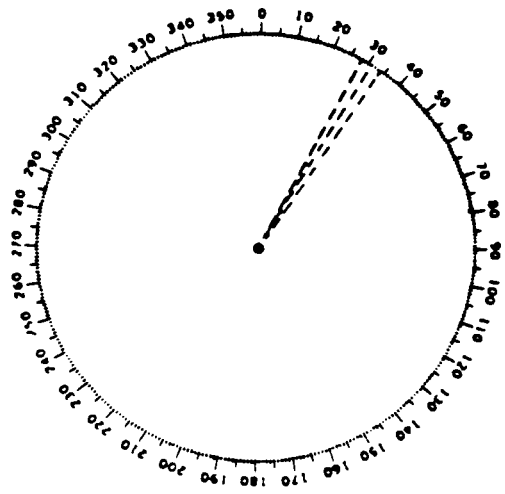


D014NG

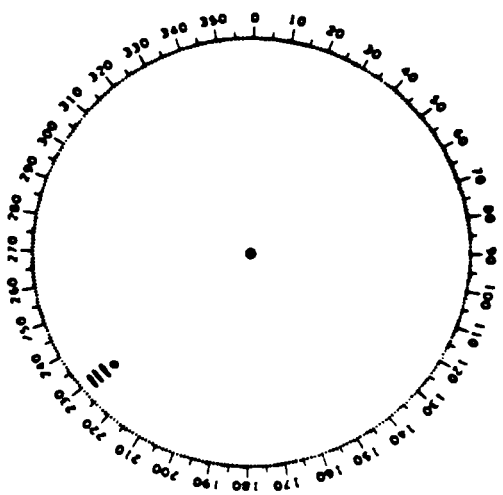
A B C D

D015NG

D016NG: RESERVED



A



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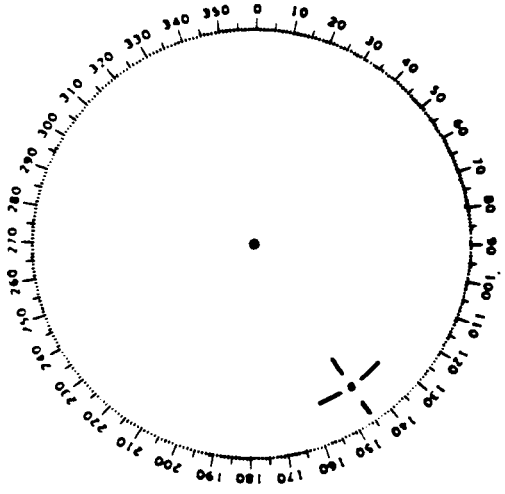

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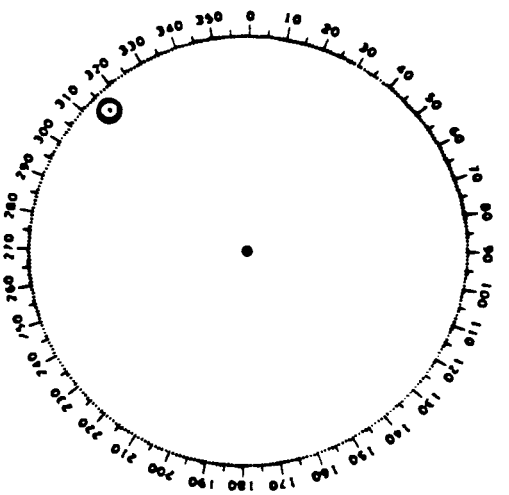
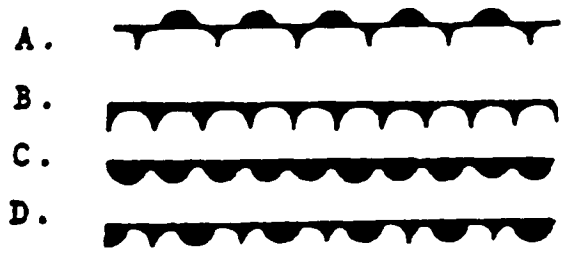
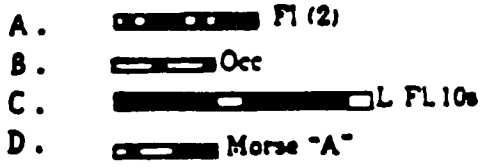


D

D017NG



D018NG



D019NG

D020NG

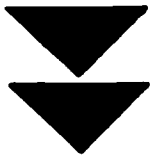
D021NG

D022NG

D023NG

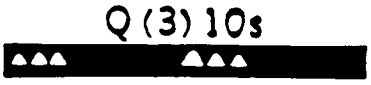
D024NG

D025NG



D026NG

D027NG



D028NG

D029NG: RESERVED

D030NG

A B C D

D031NG

A. S

B. SW

C. RW

D. RW

D032NG

D033NG

A. 

C. 

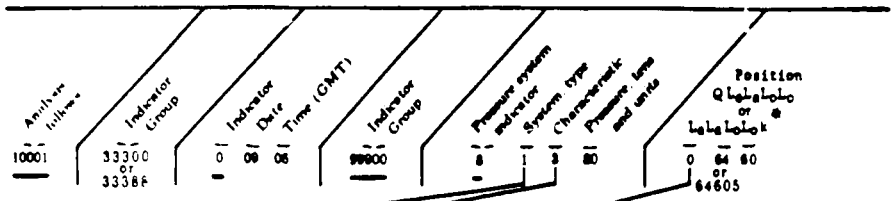
B. 

D 

D034NG

DECODE FOR SURFACE ANALYSIS MESSAGES RECEIVED IN THE ABBREVIATED

INTERNATIONAL ANALYSIS CODE, IAC FLEET, FM 46



P_t – Pressure type

0 Complex low
1 Low
2 Secondary
3 Trough
4 Wave
5 High
6 Area of uniform pressure
7 Ridge
8 Col
9 Tropical storm

P_c – Pressure characteristics

0 No specification
1 LOW filling or HIGH weakening
2 Little change
3 LOW deepening or HIGH intensifying
4 Complex
5 Forming or existance suspected
6 Filling or weakening but not disappearing
7 General rise
8 General fall
9 Position doubtful

Q – Octant of globe

0	0° – 90°W	Northern Hemisphere
1	90°W – 180°	
2	180° – 90°E	
3	90°E – 0°	
5	0° – 90°W	Southern Hemisphere
6	90°W – 180°	
7	180° – 90°E	
8	90°E – 0°	

k – Indicator used to specify half-degrees

0	Take $L_aL_aL_oL_o$ as sent	east long. (0° – 99°) or west long. (100° – 180°)
1	Add ½ degree to L_aL_a	
2	Add ½ degree to L_oL_o	
3	Add ½ degree to L_aL_a & L_oL_o	
4	See note below	
5	Take $L_aL_aL_oL_o$ as sent	west long. (0° – 99°) or east long. (100° – 180°)
6	Add ½ degree to L_aL_a	
7	Add ½ degree to L_oL_o	
8	Add ½ degree to L_aL_a & L_oL_o	
9	See note below	

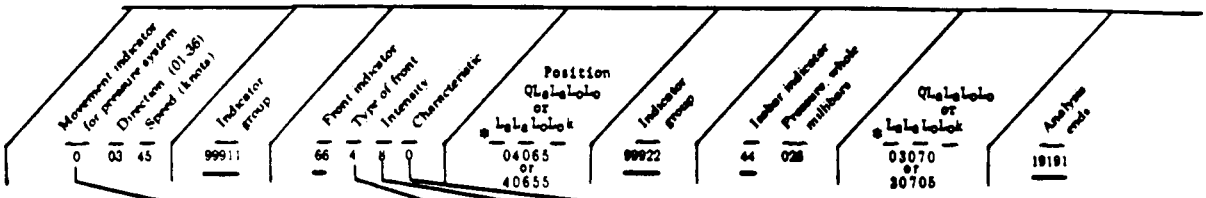
Note: When k = 4 or 9, the values of L_aL_a and L_oL_o are accurate to the nearest whole degree only; for all other values of k, the accuracy is to the nearest ½ degree.

Indicator Groups

33300 Positions in form $L_aL_aL_oL_ok$, in northern hemisphere (L_aL_a = latitude; L_oL_o = longitude; k is used to specify the half-degrees, if any, to be added to L_aL_a or L_oL_o)
33388 Positions in form $QL_aL_aL_oL_o$ (Q = Octant of the globe)
99900 Pressure systems follow
99911 Frontal systems follow
99922 Isobar section follows

Indicator Figures

0 – Indicator for date and time group
8 – Indicator for pressure system group
44 – Indicator for isobar group
66 – Indicator for frontal system group



m – Movement indicator

0 No specification
1 Stationary
2 Little change
3 Becoming stationary
4 Retarding
5 Curving to left
6 Recurving
7 Accelerating
8 Curving to right
9 Expected to recurve

F_t – Frontal type

0 Quasi-stationary front at surface
1 Quasi-stationary front above the surface
2 Warm front at the surface
3 Warm front above the surface
4 Cold front at the surface
5 Cold front above the surface
6 Occlusion
7 Instability line
8 Intertropical front
9 Convergence line

F_i – Frontal intensity

0 No specification
1 Weak, decreasing
2 Weak, little or no change
3 Weak, increasing
4 Moderate, decreasing
5 Moderate, little or no change
6 Moderate, increasing
7 Strong, decreasing
8 Strong, little or no change
9 Strong, increasing

F_c – Frontal characteristics

0 No specification
1 Frontal activity – decreasing
2 Frontal activity – little change
3 Frontal activity – increasing
4 Intertropical
5 Forming or existance suspected
6 Quasi-stationary
7 With waves
8 Diffuse
9 Position doubtful

D035NG