

Dvorak Pattern and Trend Exercises

Objective: To determine cloud patterns and 24 hour development trends of the following examples of tropical weather systems.

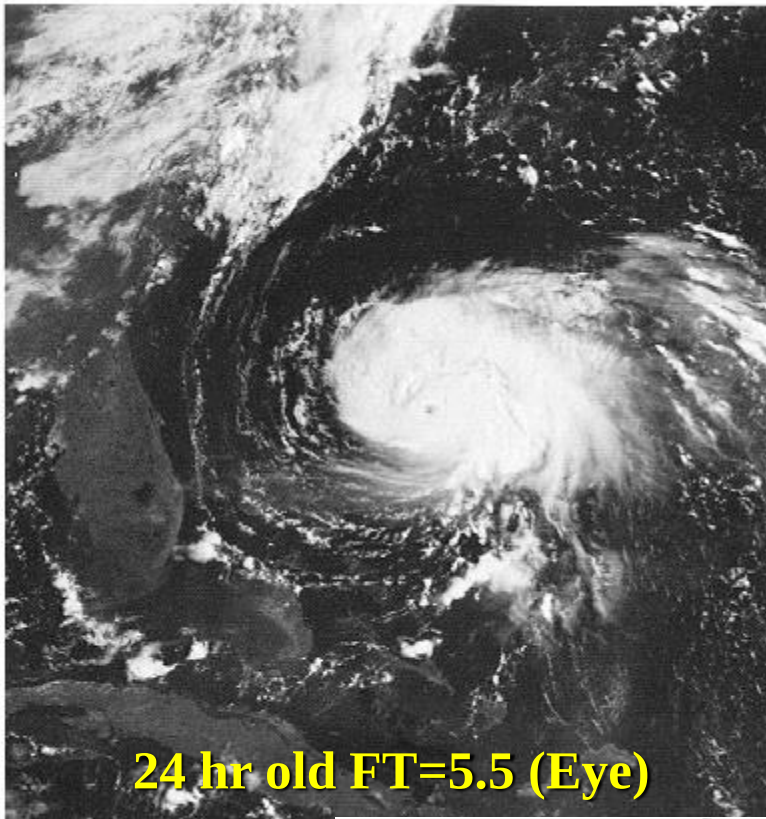
Clicker Instructions

A) Developing Trend (D)

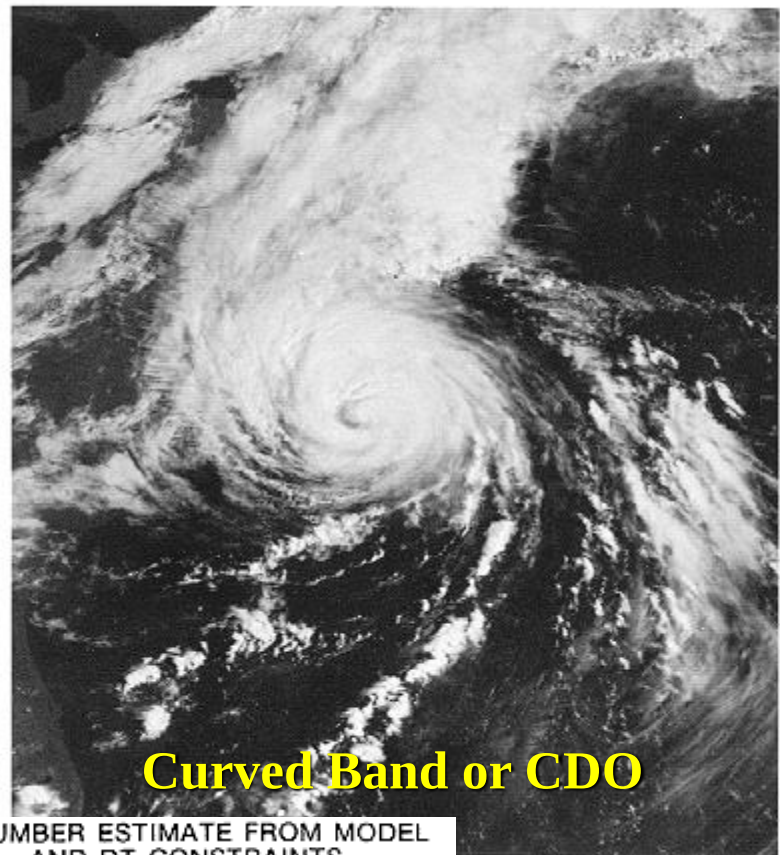
B) Weakening Trend (W)

C) Steady – No Trend (S)

Pattern and Trend Exercise 1



24 hr old FT=5.5 (Eye)

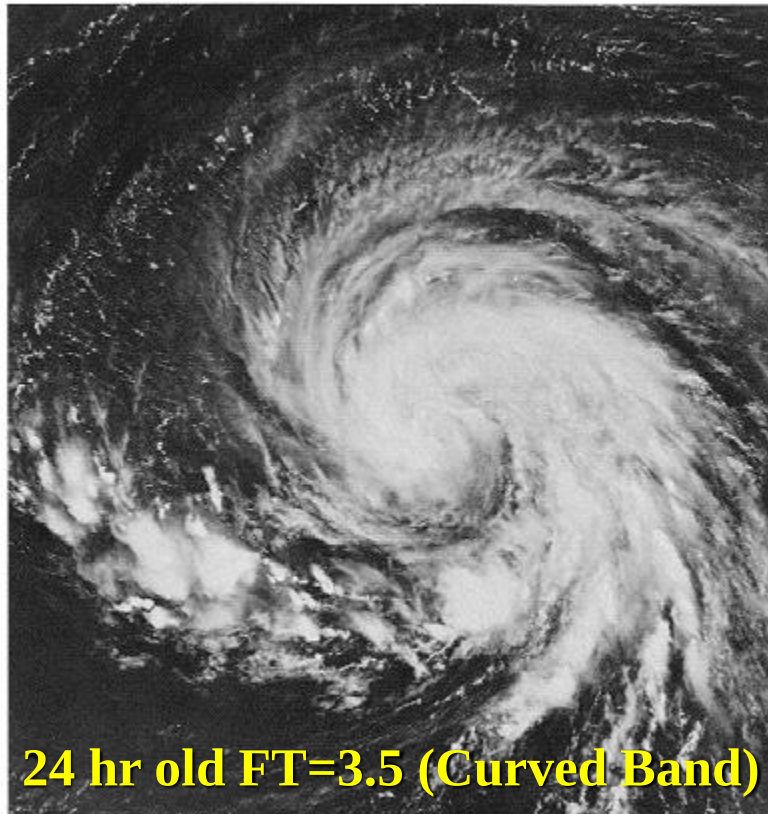


Curved Band or CDO

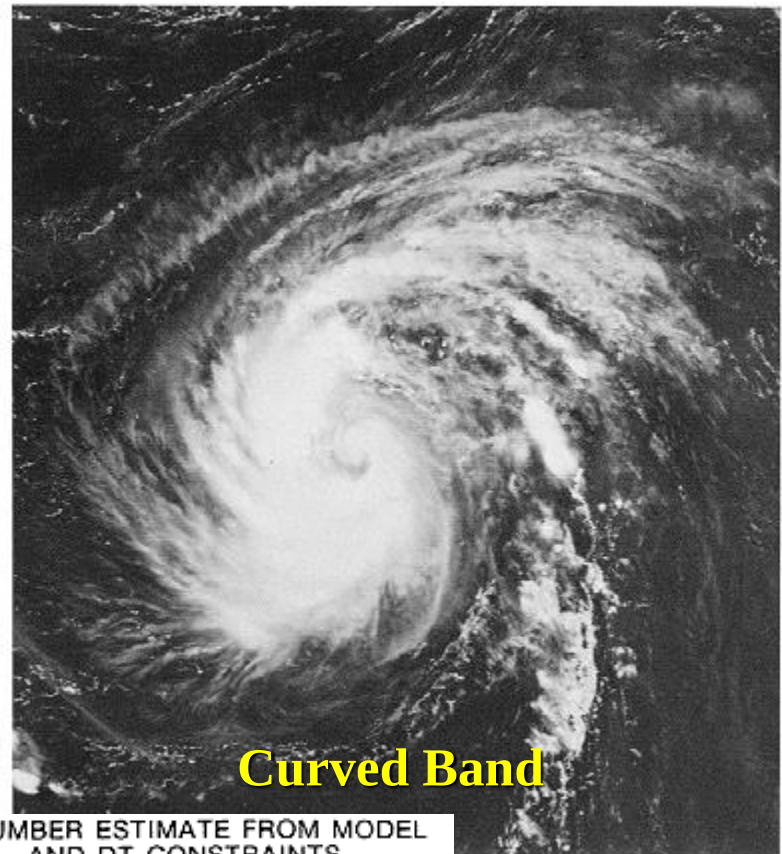
1400 GMT 8 August 1976.

MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number		3	4	5	6	7,8	9	10				
E Adj = CF		CDO	Emb. Centr	Computation		CCC	Trend	MET								

Pattern and Trend Exercise 2

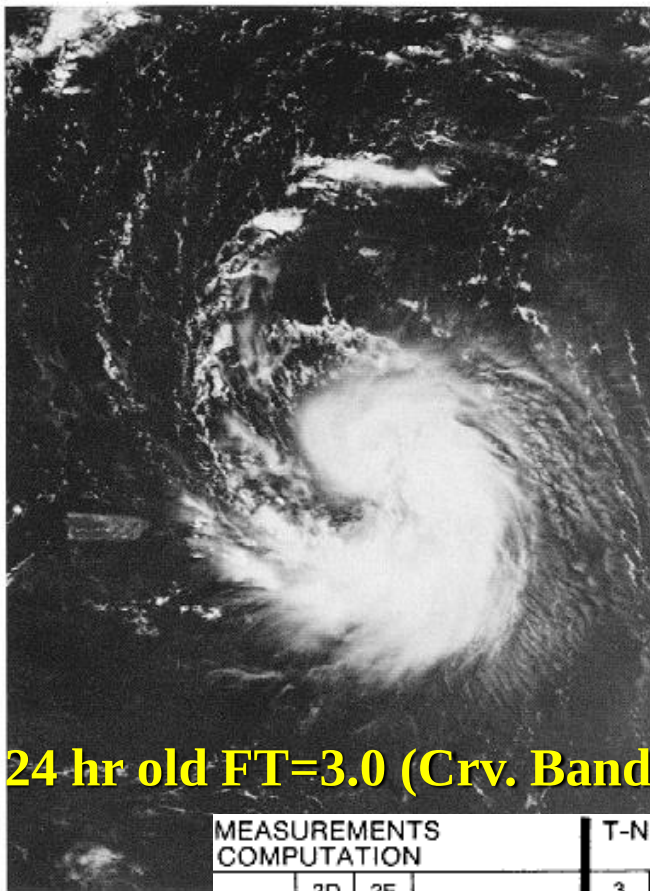


1648 GMT 29 August 1976.

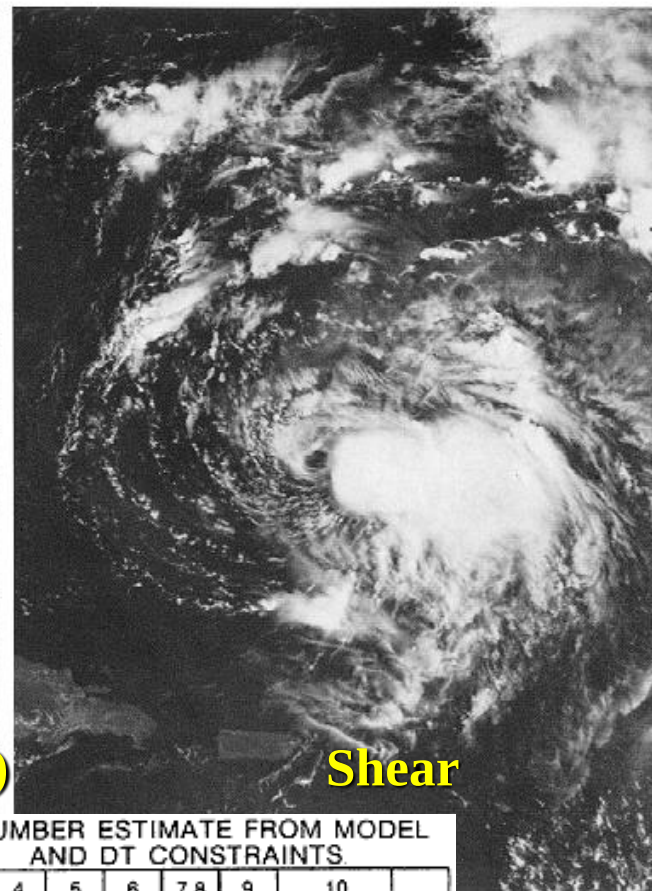


MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				
EAdj=CF		CDO	Emb. Centr	CF+BF=DT												

Pattern and Trend Exercise 3



24 hr old FT=3.0 (Crv. Band)

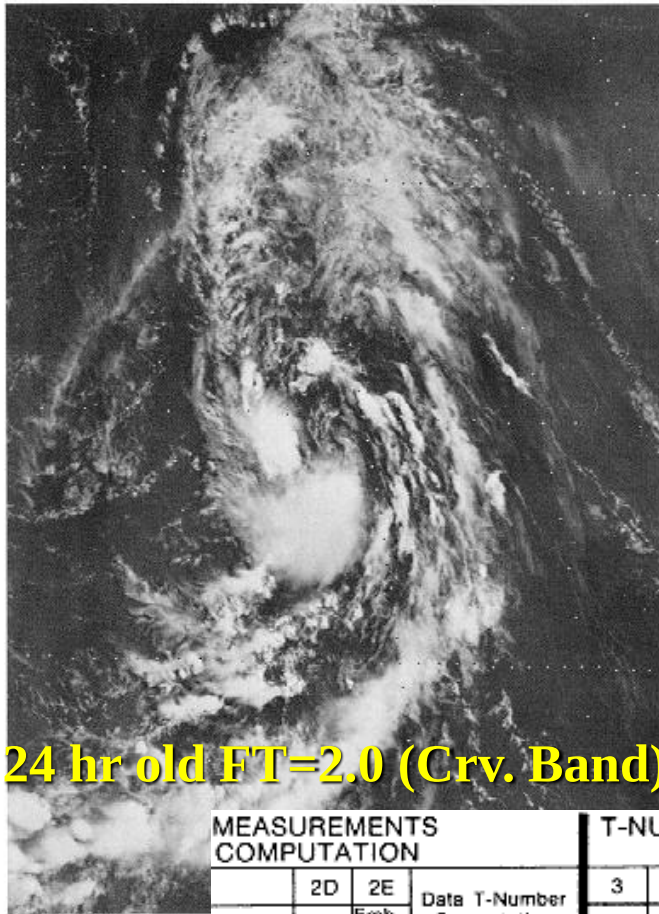


Shear

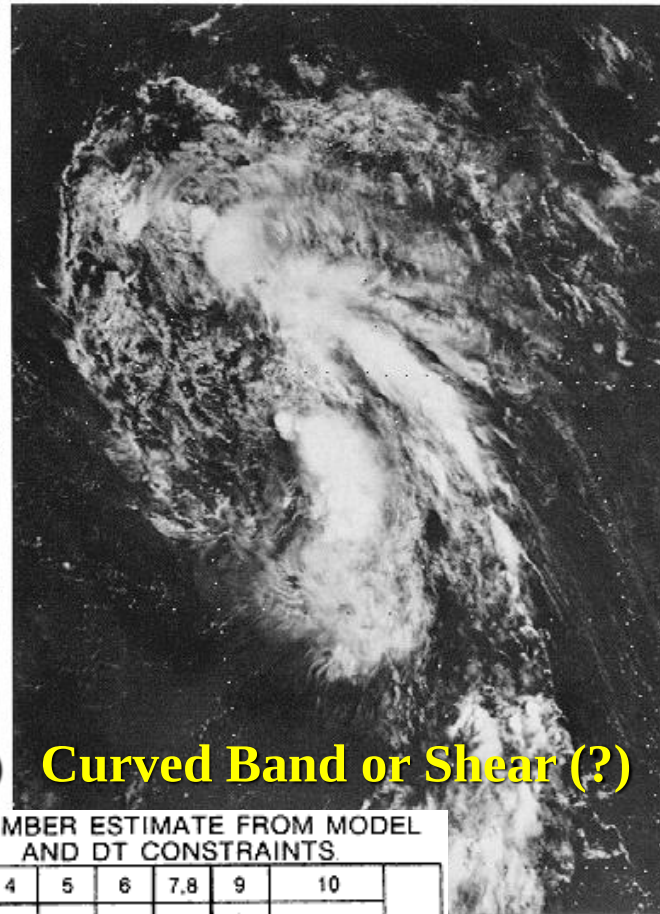
1403 GMT 23 August 1

MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				

Pattern and Trend Exercise 4



24 hr old FT=2.0 (Crv. Band)

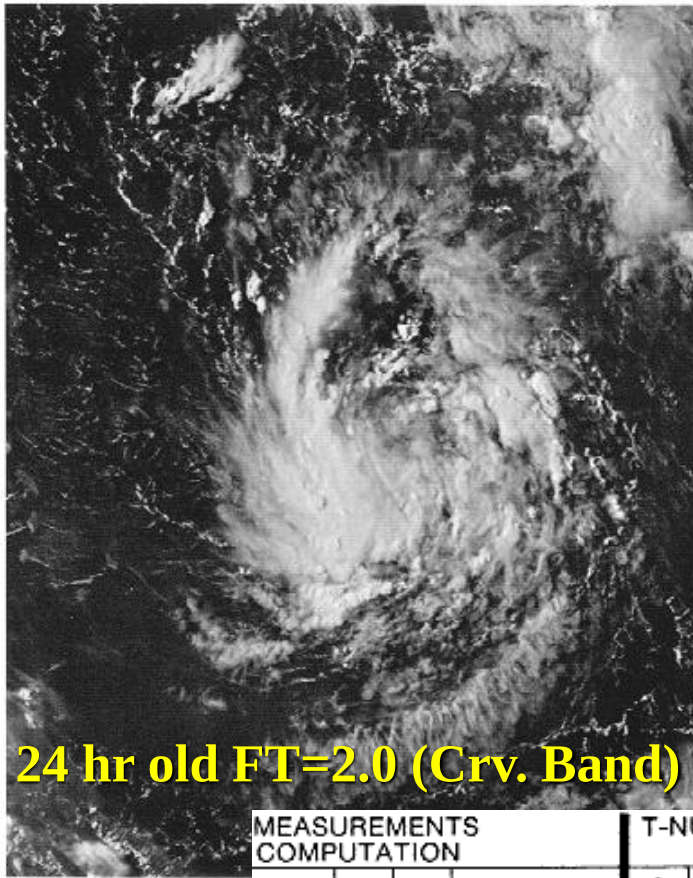


Curved Band or Shear (?)

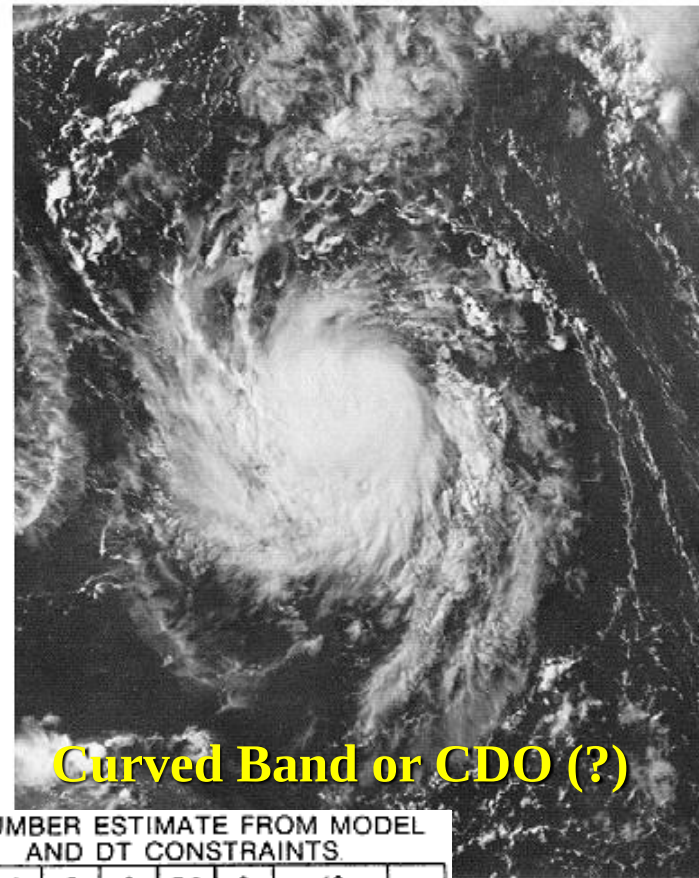
1304 GMT 4 September

MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				

Pattern and Trend Exercise 5



24 hr old FT=2.0 (Crv. Band)

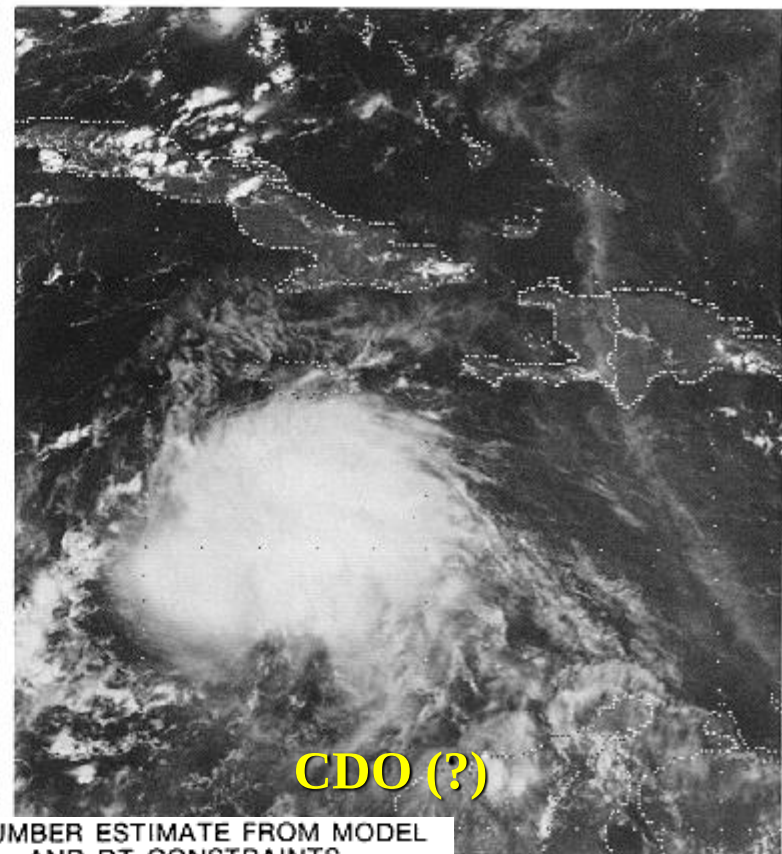
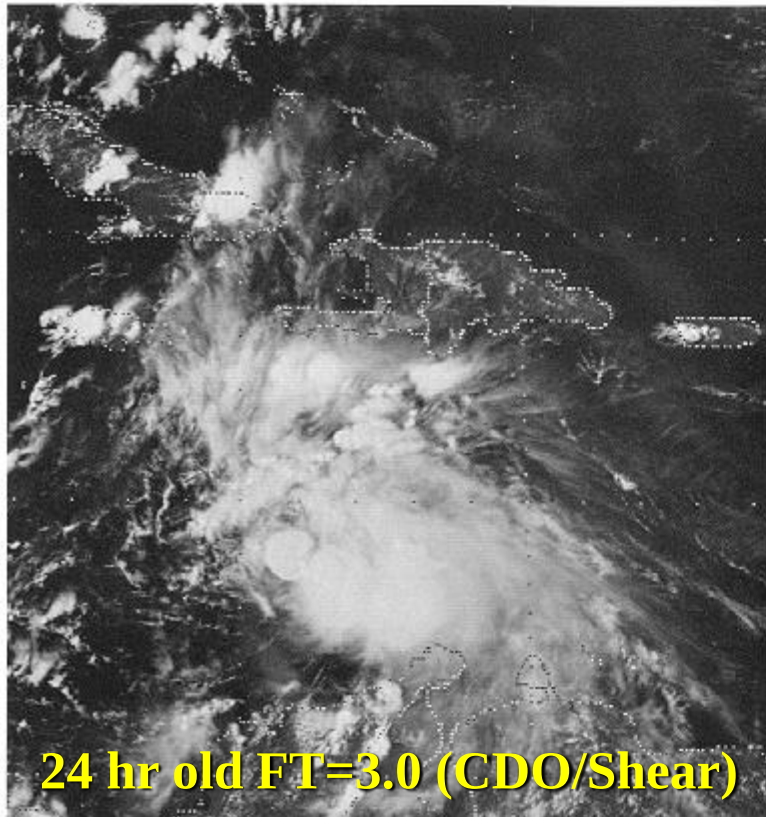


Curved Band or CDO (?)

2000 GMT 21 August 1976.

MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				

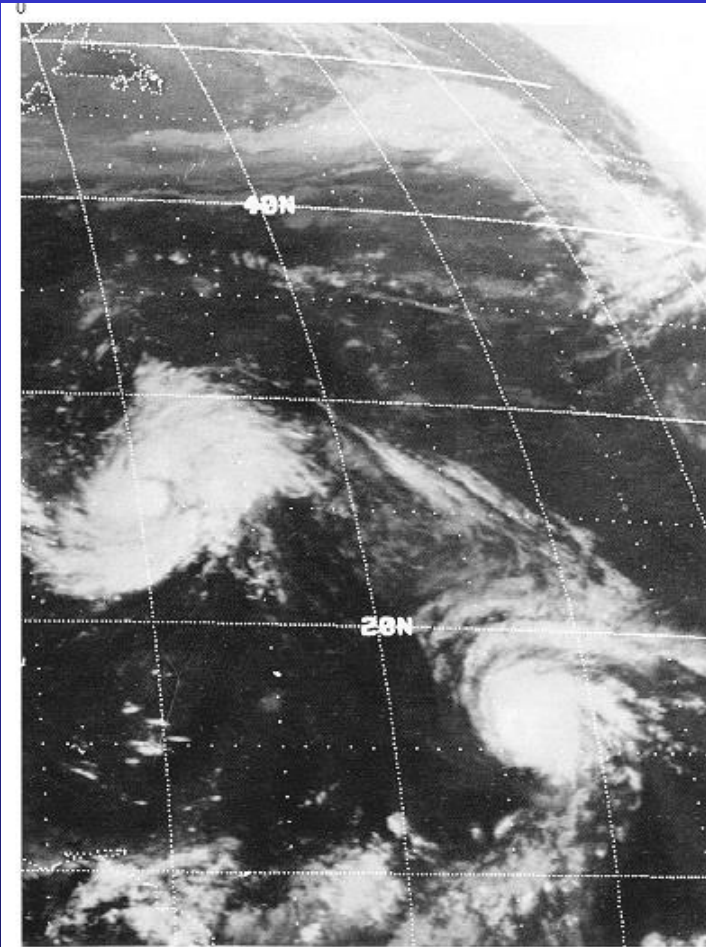
Pattern and Trend Exercise 6



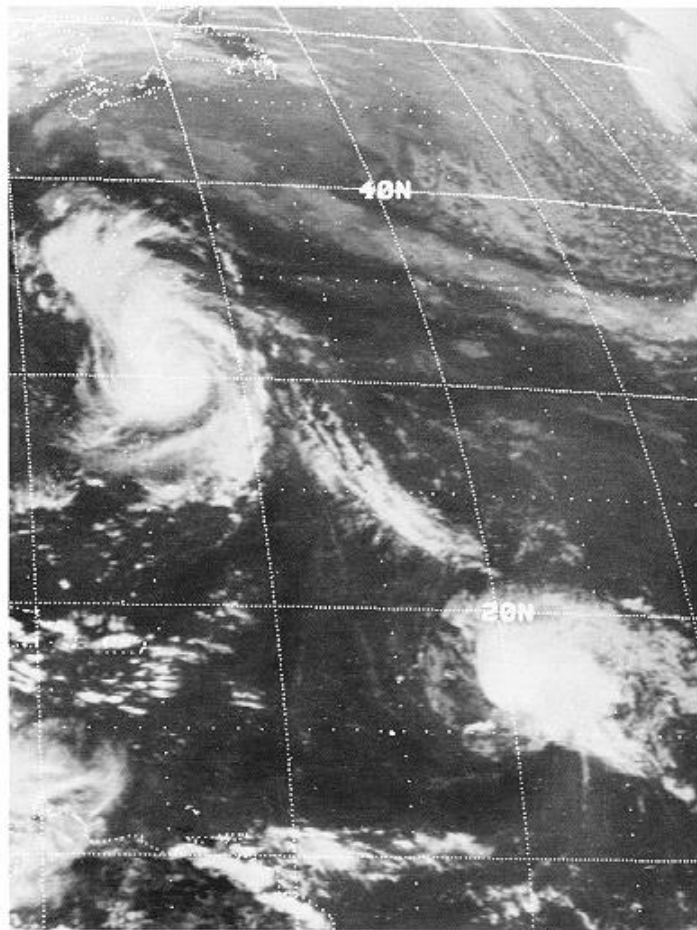
1903 GMT 15 September 1978.

MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
E _{Adj} -CF		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				
		CDO														

Pattern and Trend Exercise 7



1800 GMT 25 September 1975.



1800 GMT 26 September 1975.

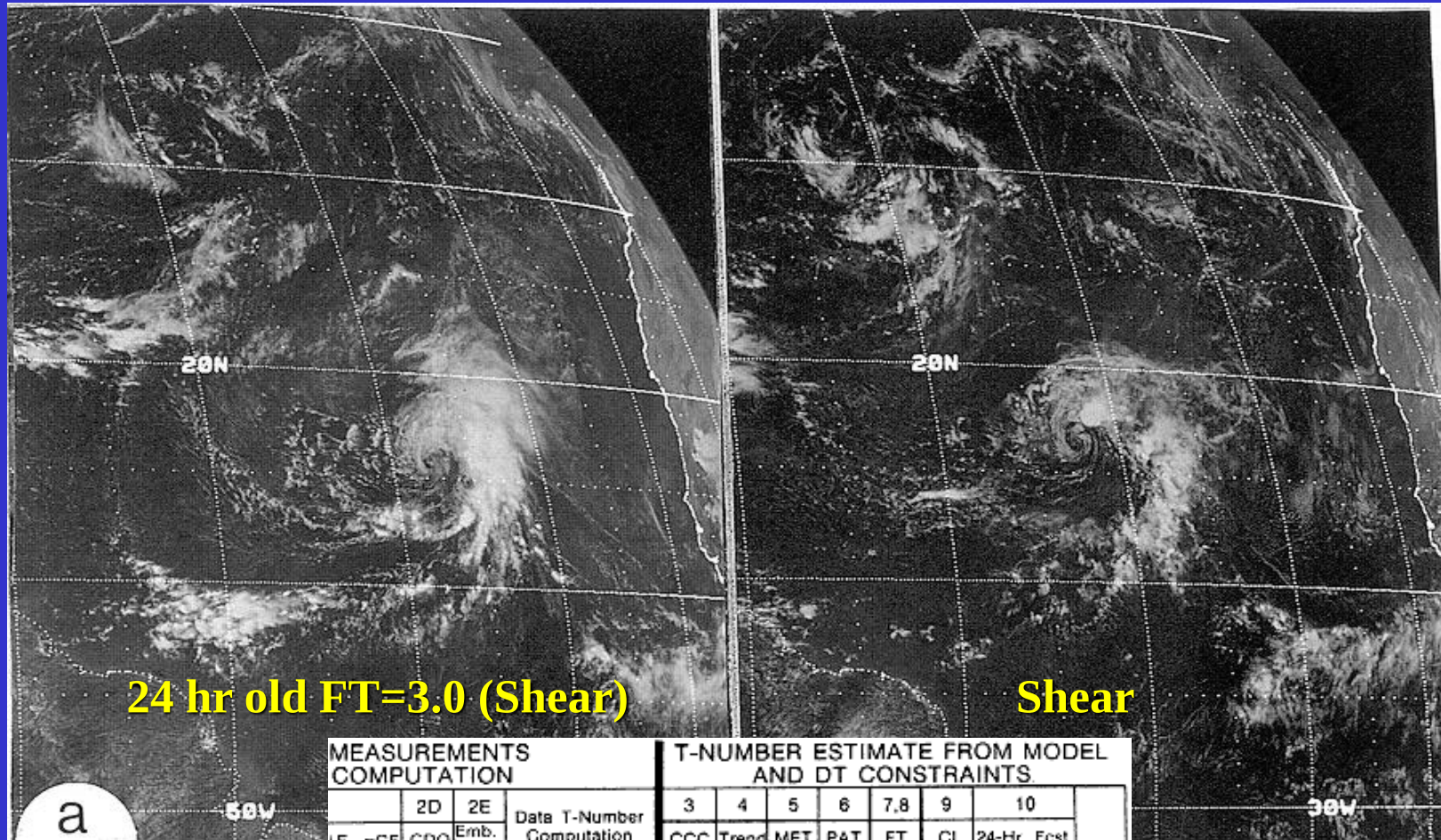
?

?

D

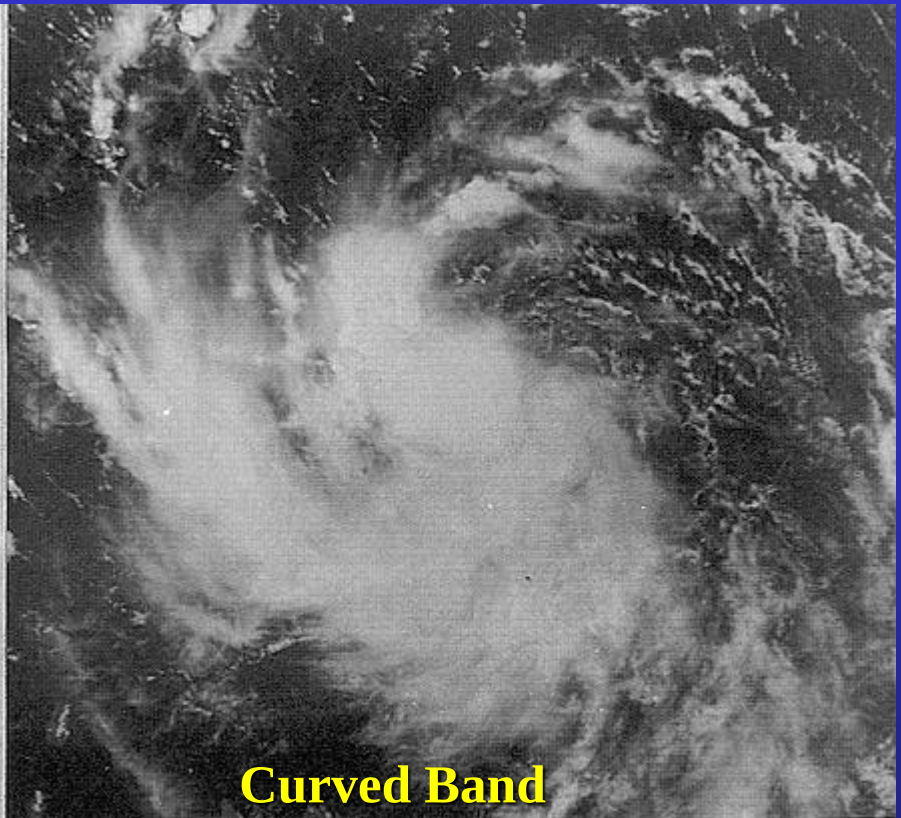
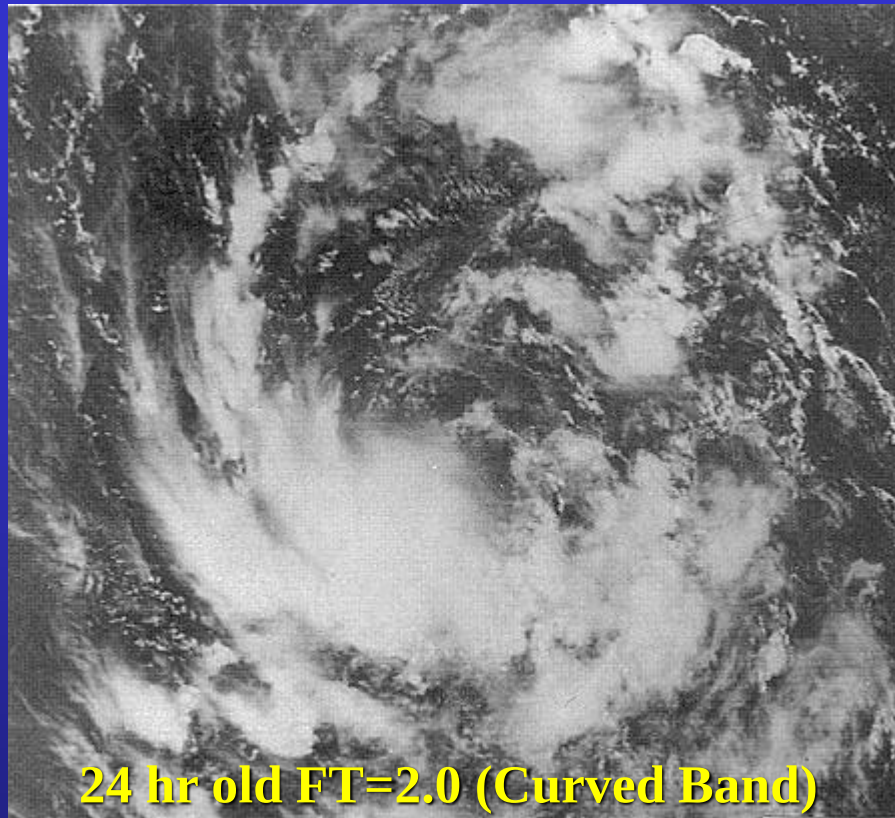
S or W

Pattern and Trend Exercise 8



MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				
E _{Adj} -CF		CDO	Emb. Centr.	CF+BF=DT		CCC	Trend									

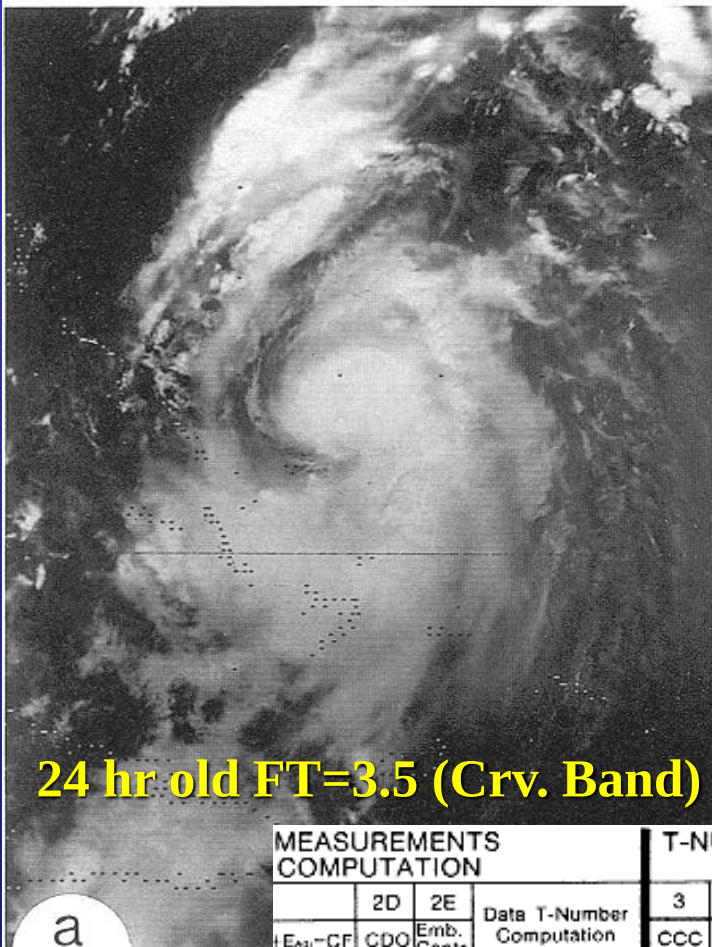
Pattern and Trend Exercise 9



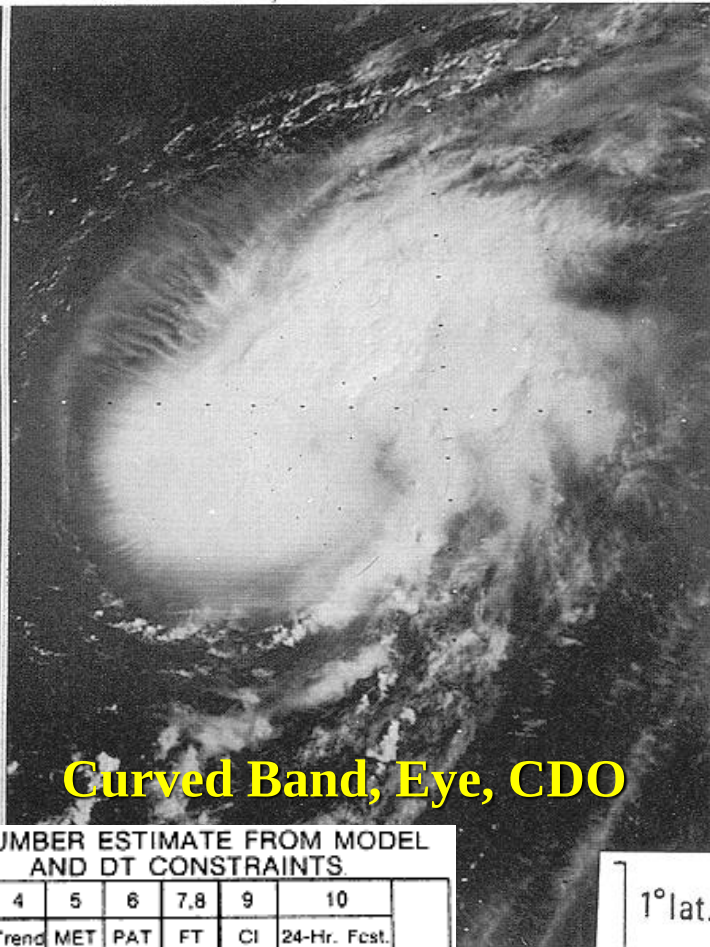
a

MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				
E _{Adj} -CF		CDO	Emb. Centr	CF+BF=DT		CCC	Trend	MET	PAT	FT	CI	24-Hr. Fcst.				
Rules	Eye Definition	Use Size	Use Surrounding Temperature	CF+BF=DT		Use Rules	24-Hr change	MET	PAT	Use Rules	Current Intensity Number	Adj. Model Fcst. if nec.</				

Pattern and Trend Exercise 10



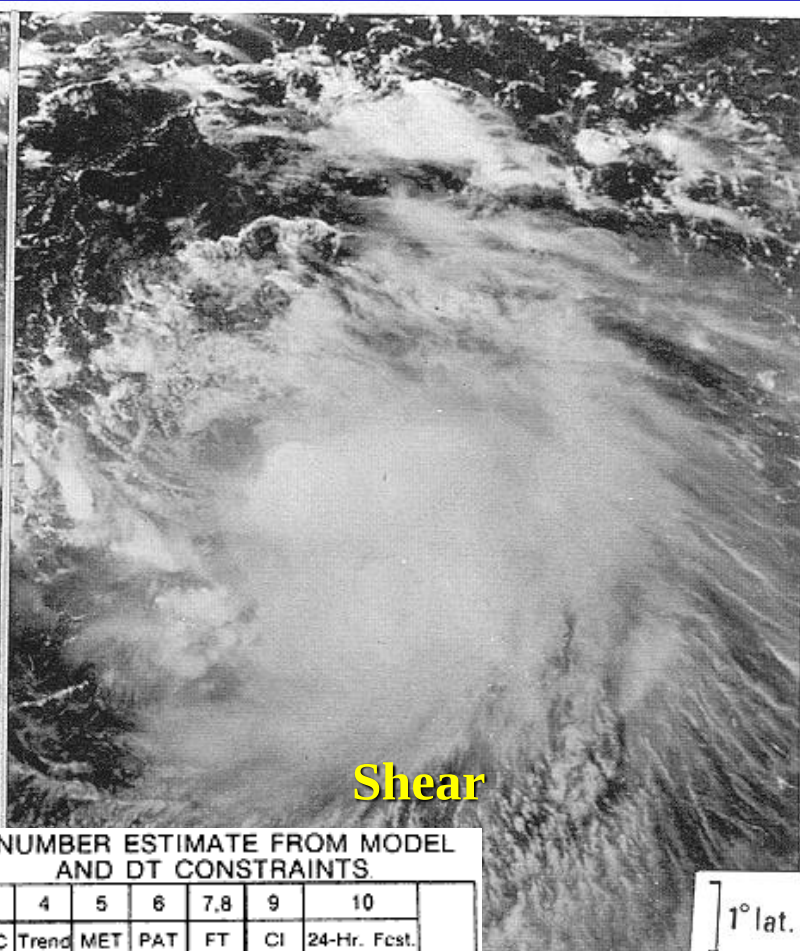
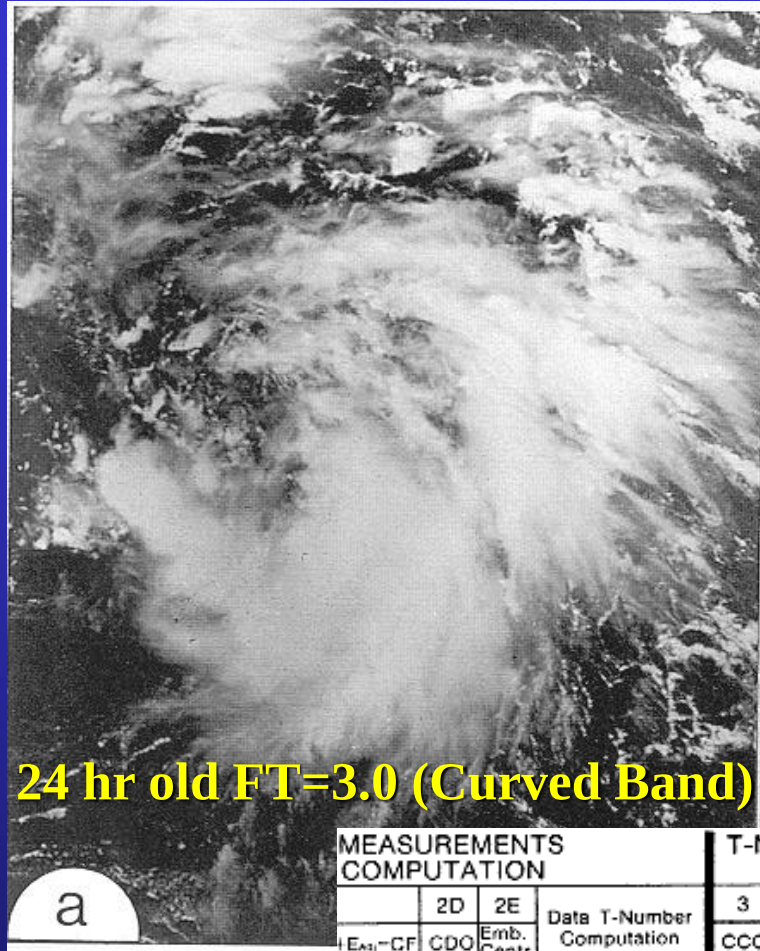
24 hr old FT=3.5 (Crv. Band)



Curved Band, Eye, CDO

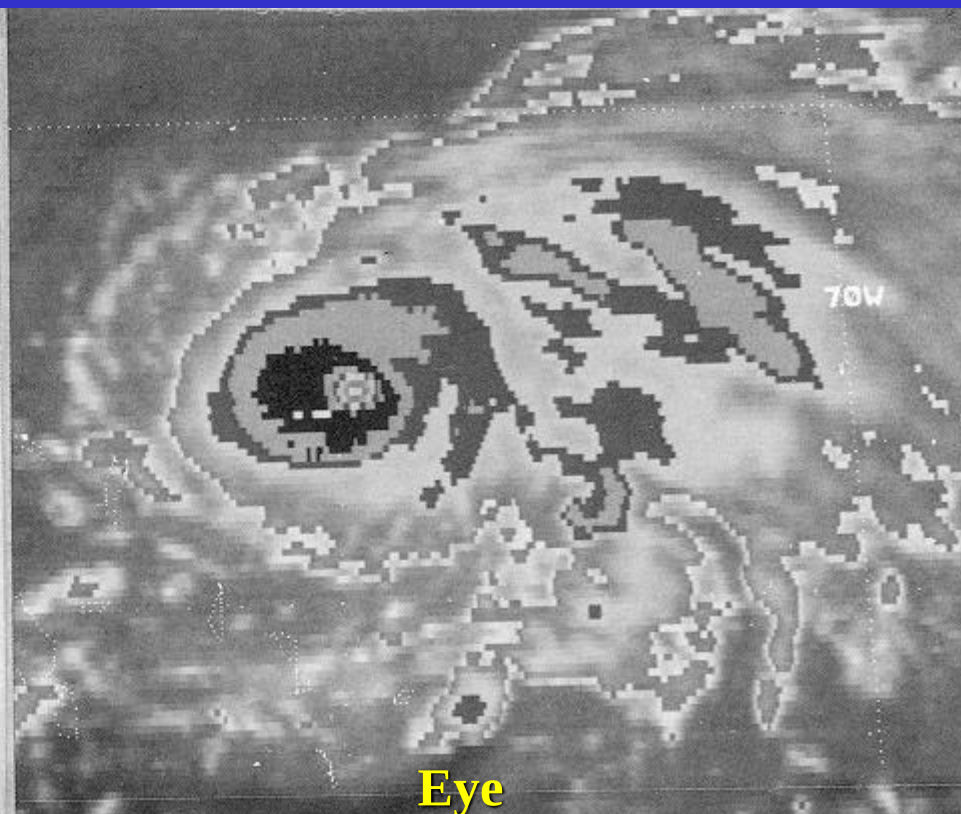
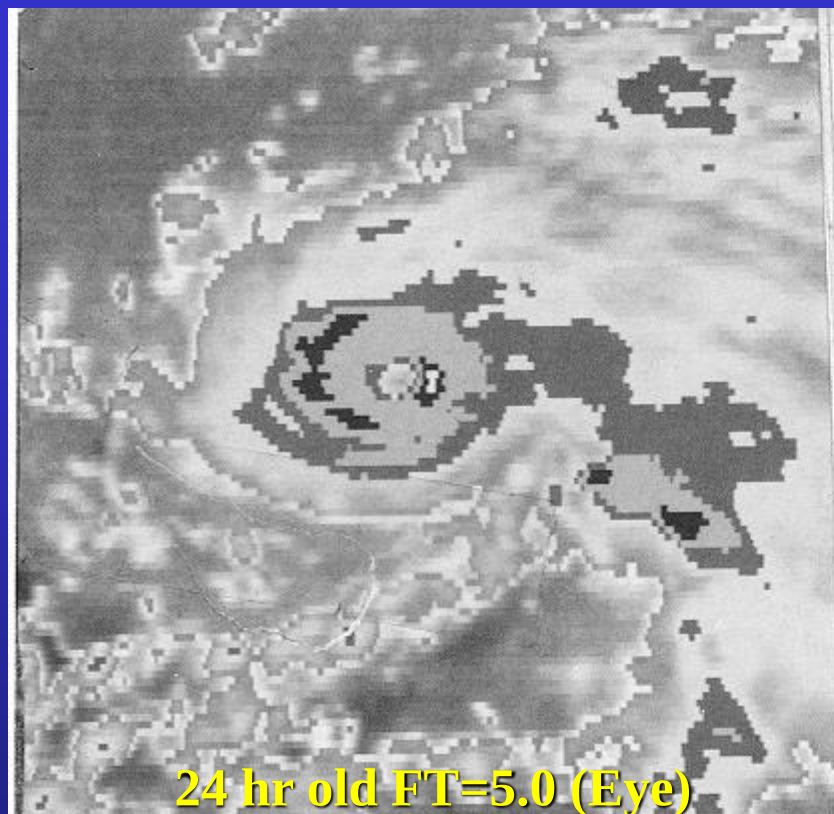
MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				

Pattern and Trend Exercise 11



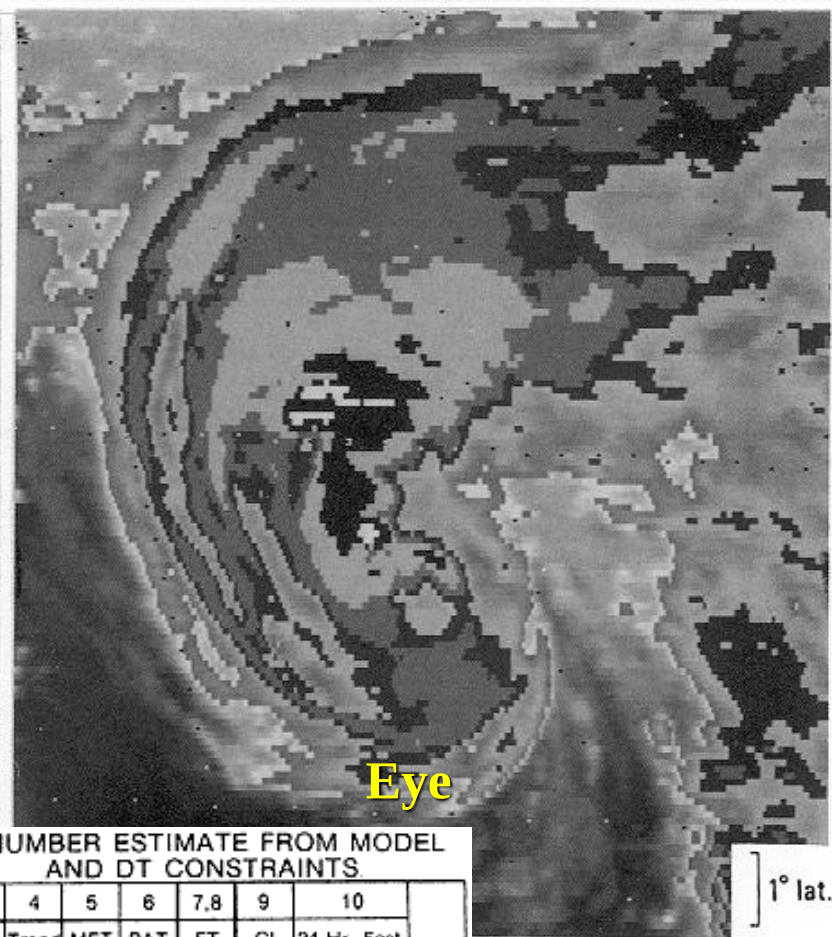
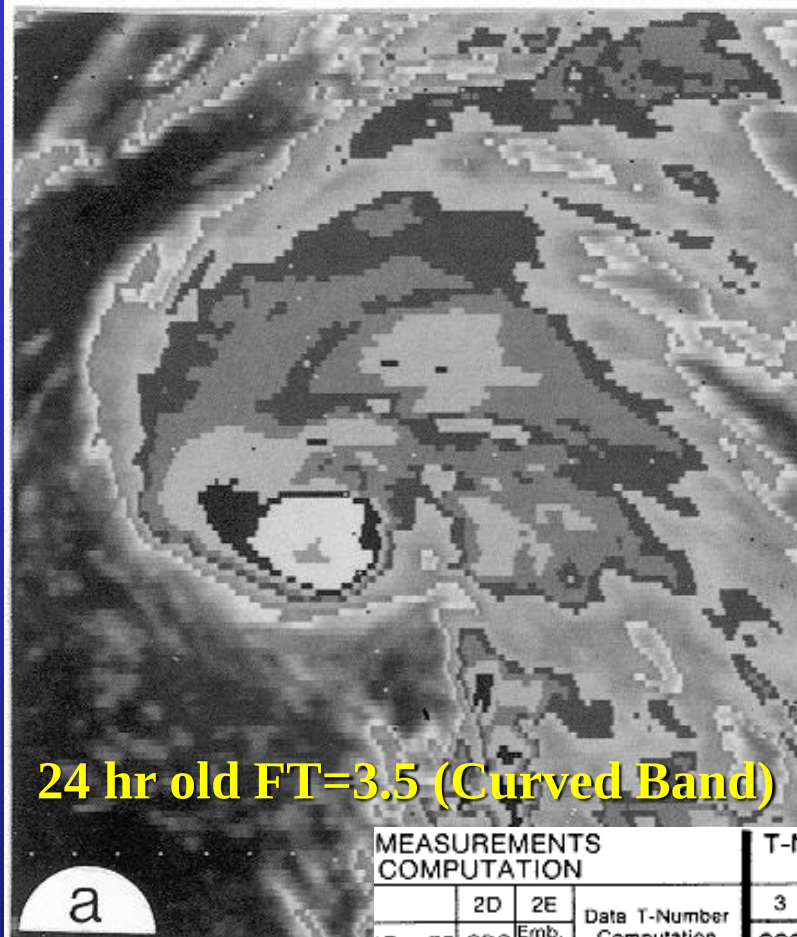
MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number		3	4	5	6	7,8	9	10				
E Adj		CF	CDO	Emb. Centr	CF+BF=DT	CCC	Trend	MET	PAT							

Pattern and Trend Exercise 12



MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				
EAdj-CF		C														

Pattern and Trend Exercise 13



MEASUREMENTS COMPUTATION						T-NUMBER ESTIMATE FROM MODEL AND DT CONSTRAINTS										INITIALS
		2D	2E	Data T-Number Computation		3	4	5	6	7,8	9	10				
EAdj=CF		CDO	Emb. Centr	CF+BF=DT												