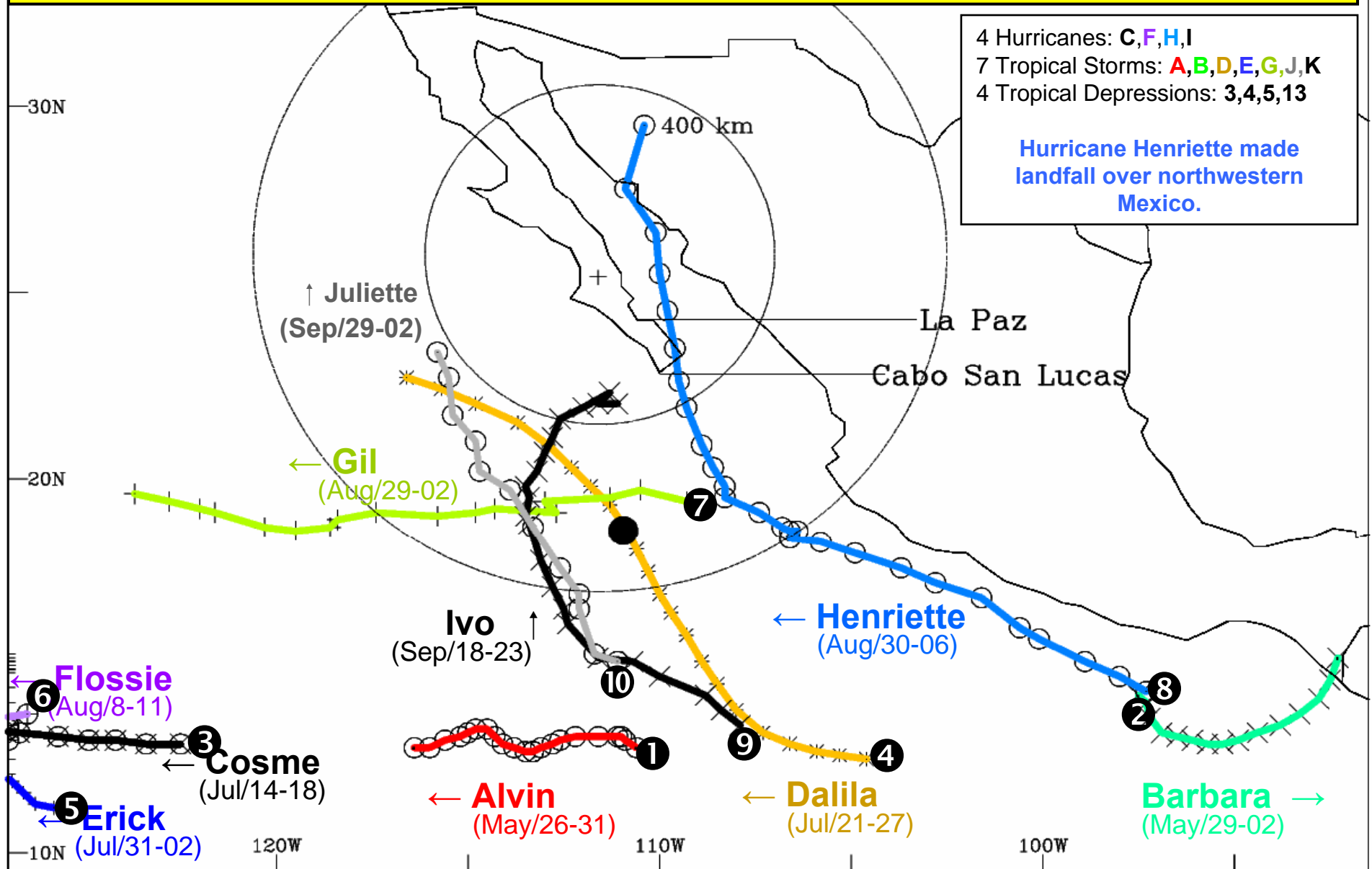
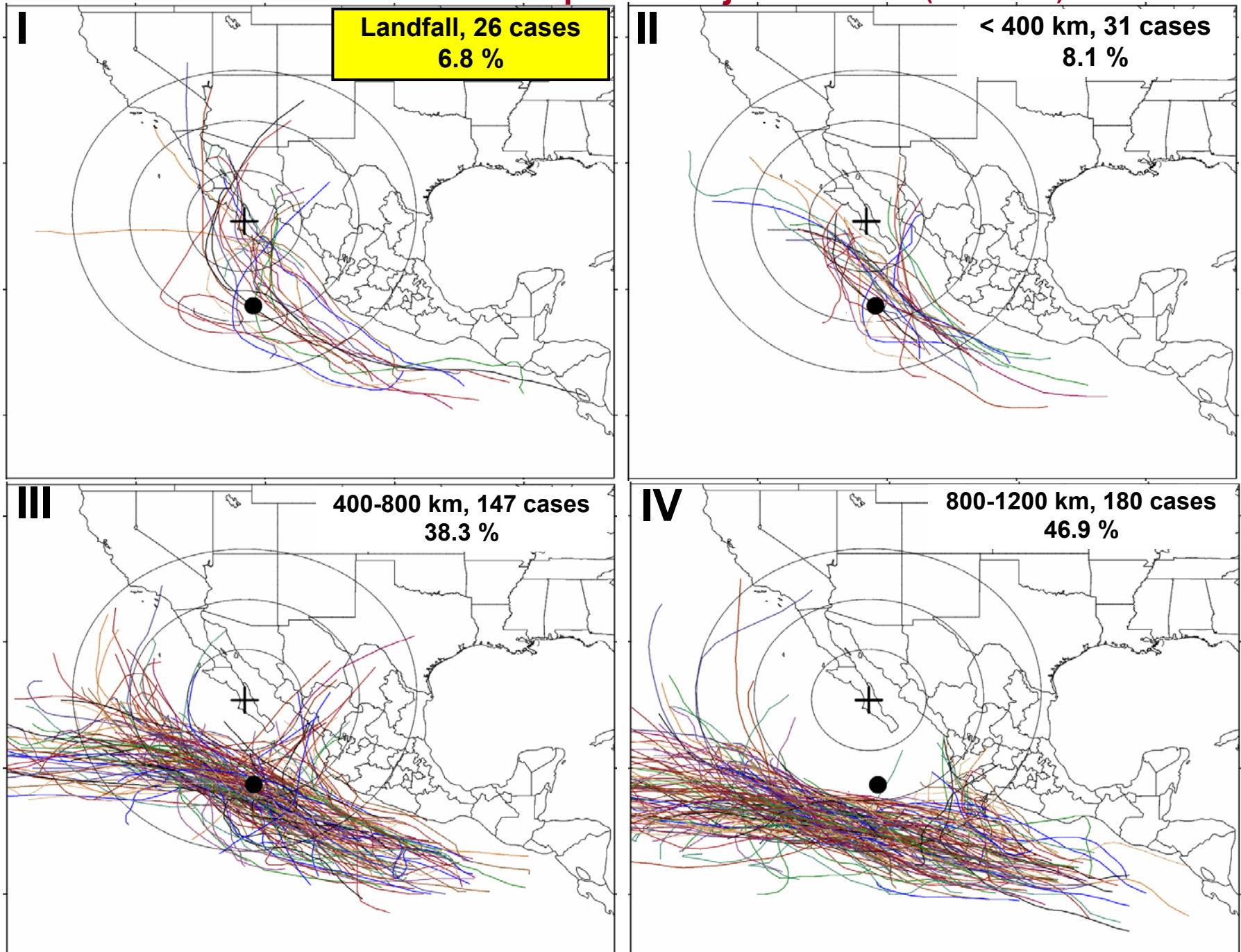


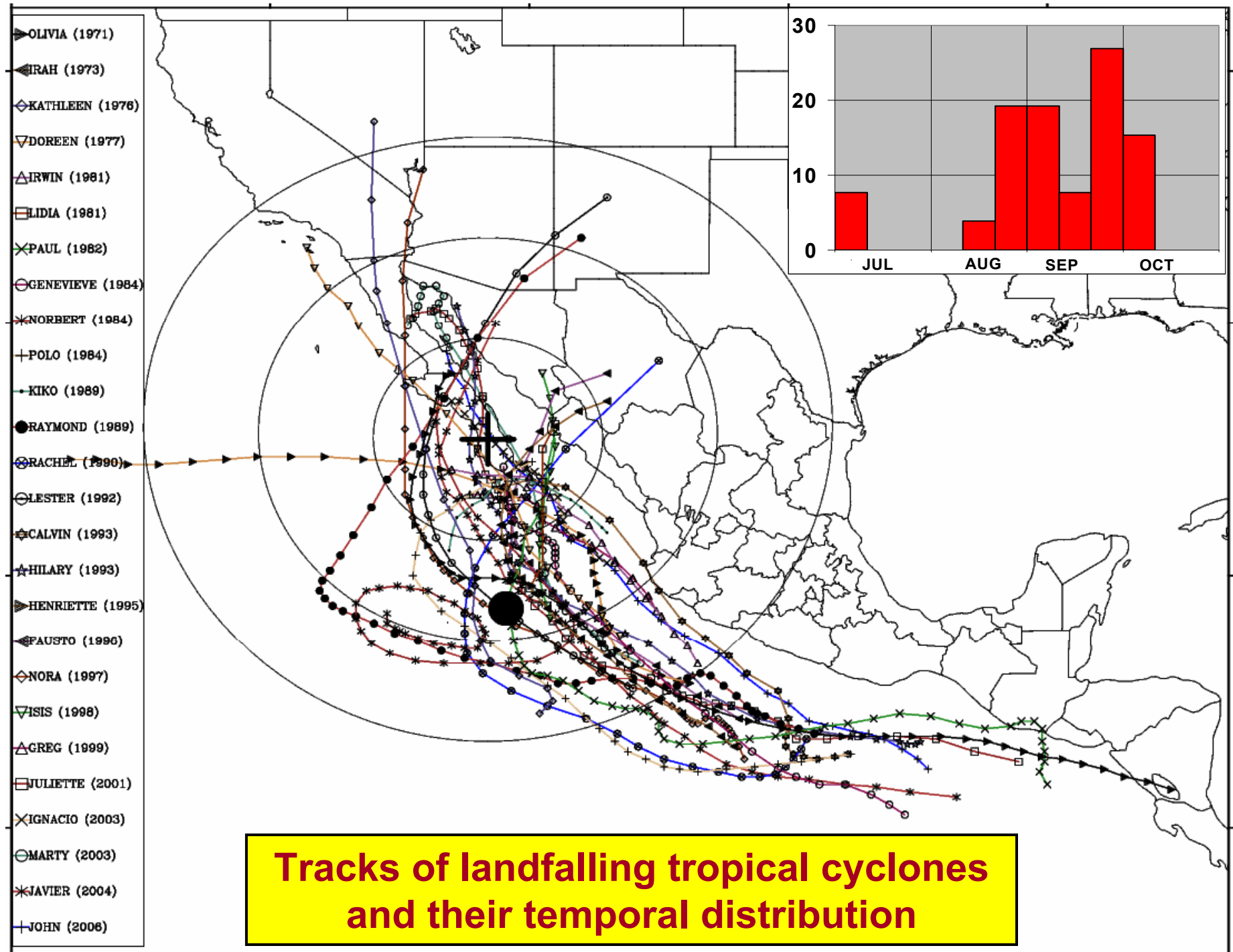
A WEATHER ANALYSIS SYSTEM FOR THE BAJA CALIFORNIA PENINSULA: TROPICAL CYCLONE SEASON OF 2007

Luis M. Farfán and M.A. Cosío
CICESE, La Paz, Mexico.



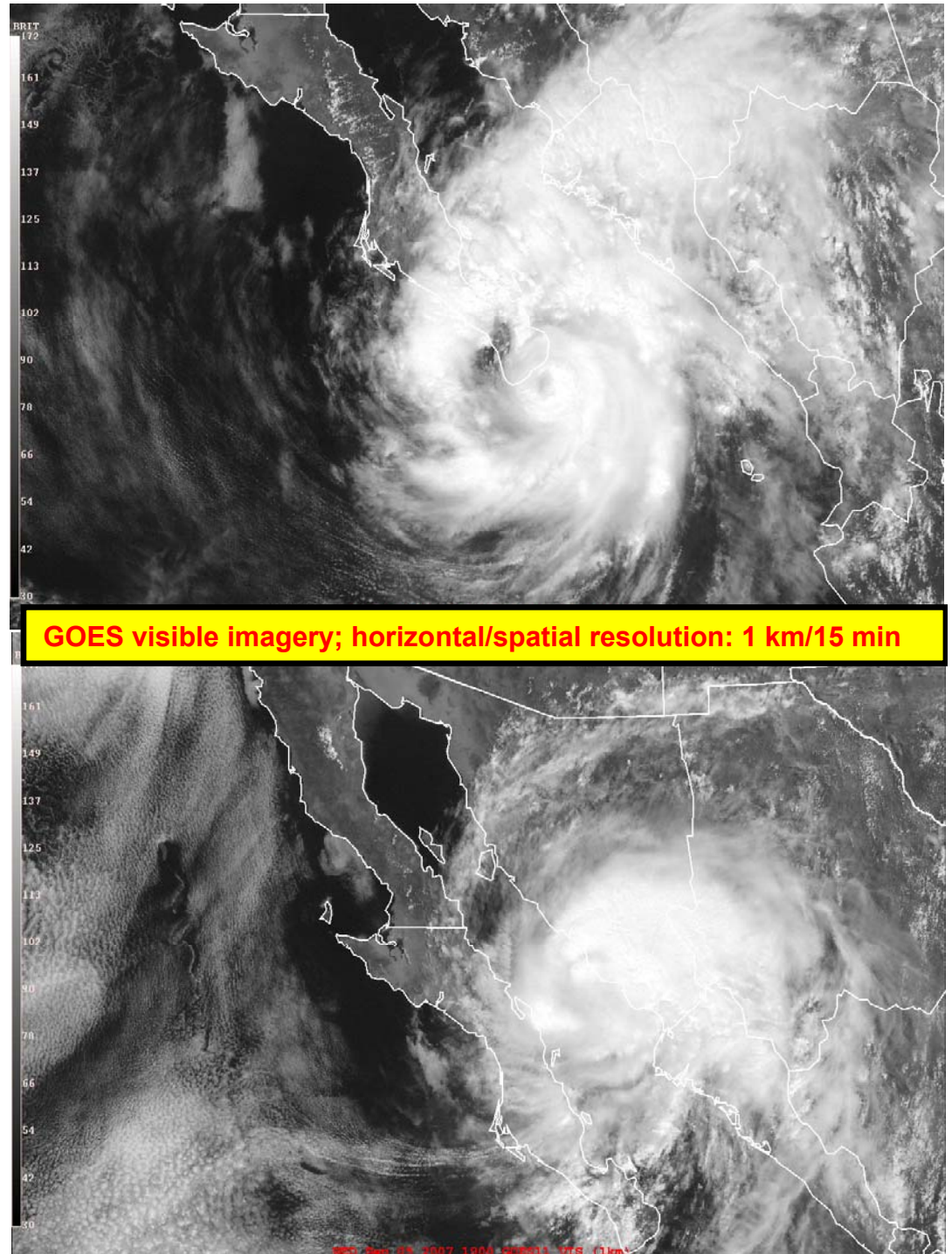
Track distribution with respect to Baja California (1970-2006)





Hurricane Henriette

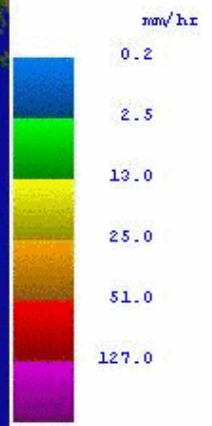
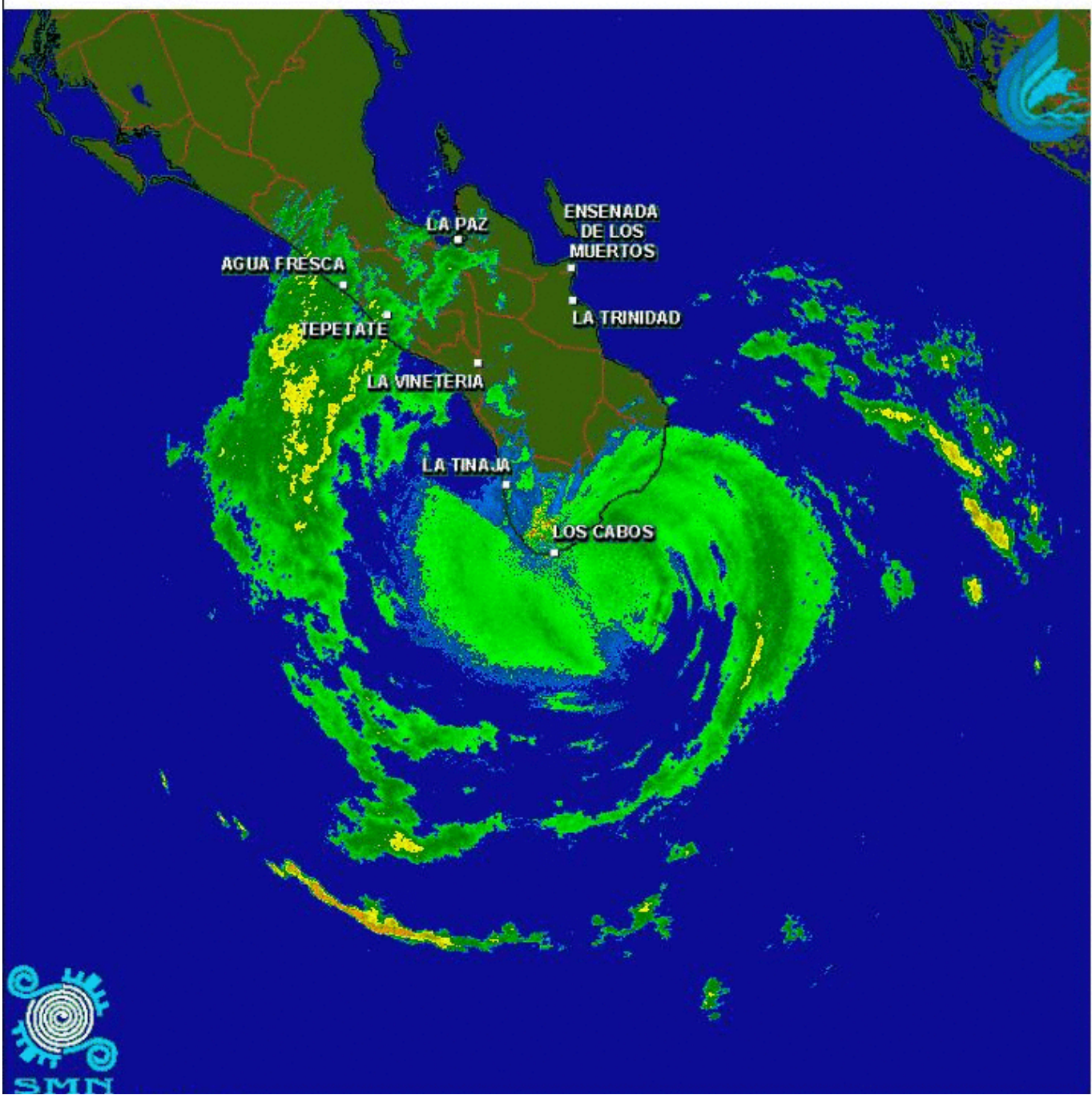
- Formed on 30 August, 2007
- Maximum intensity 140 km/h (category 1 hurricane)
- Made landfall in San José del Cabo and Guaymas, Mexico
- Heavy rainfall over Baja California and mainland
- Nine fatalities reported:
 - 6 near Acapulco
 - 1 in Baja California
 - 2 in Sonora.



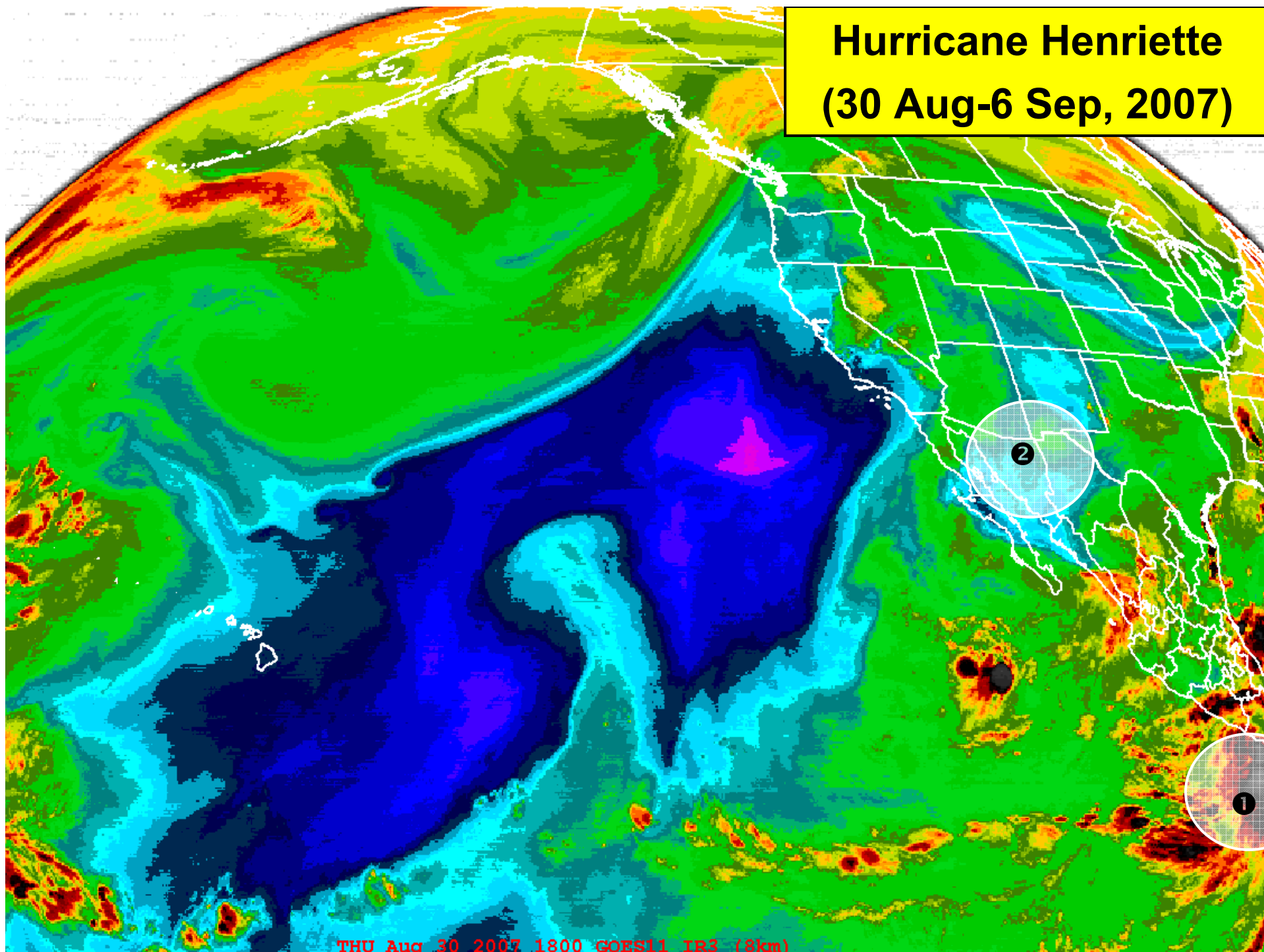
09/04/07 19:04:12

04 Sep 2007

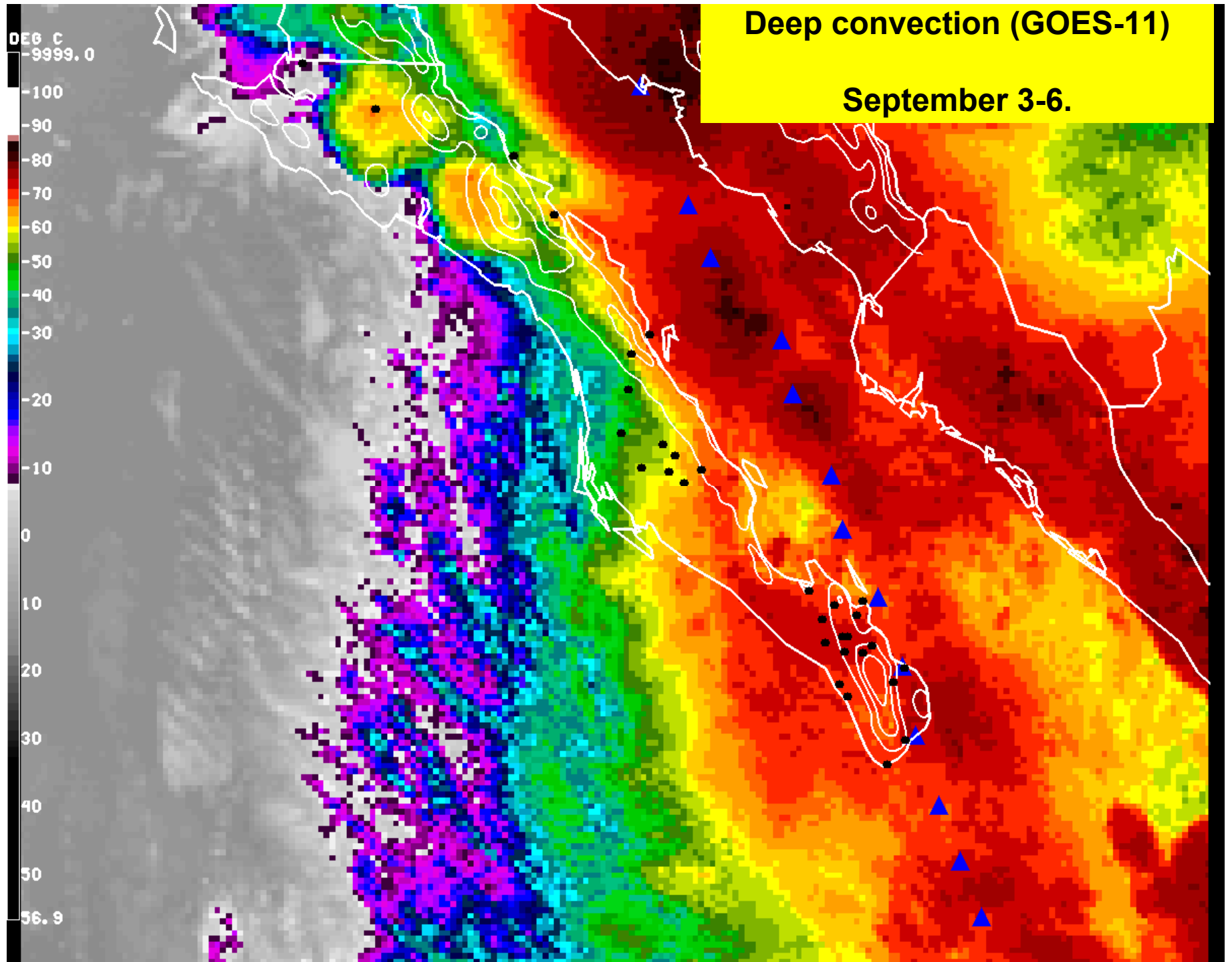
PPI
Rain Rate
240 km range
El: 4.0°



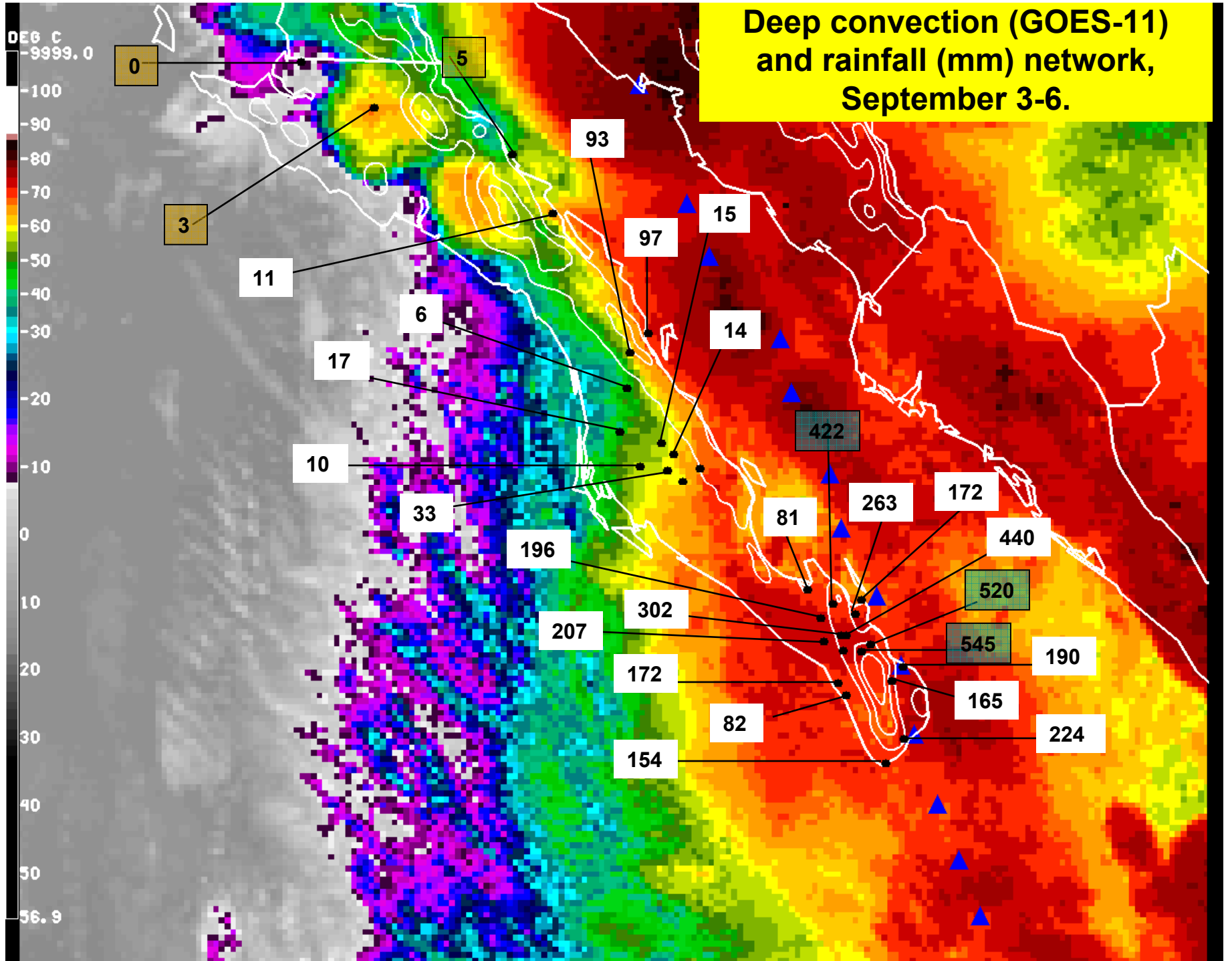
Hurricane Henriette (30 Aug-6 Sep, 2007)

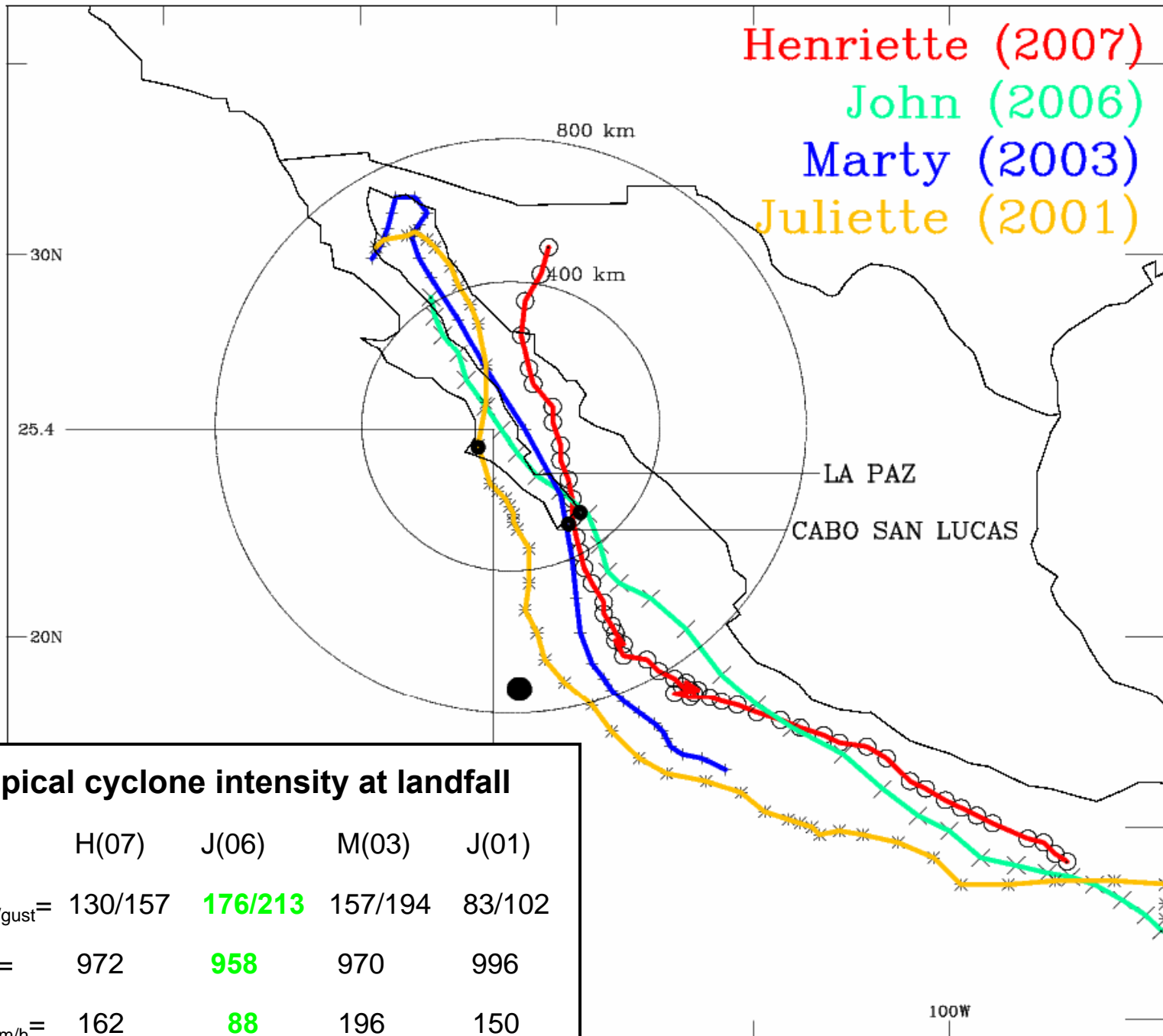


THU Aug 30 2007 1800 GOES11 IR3 (8km)



**Deep convection (GOES-11)
and rainfall (mm) network,
September 3-6.**



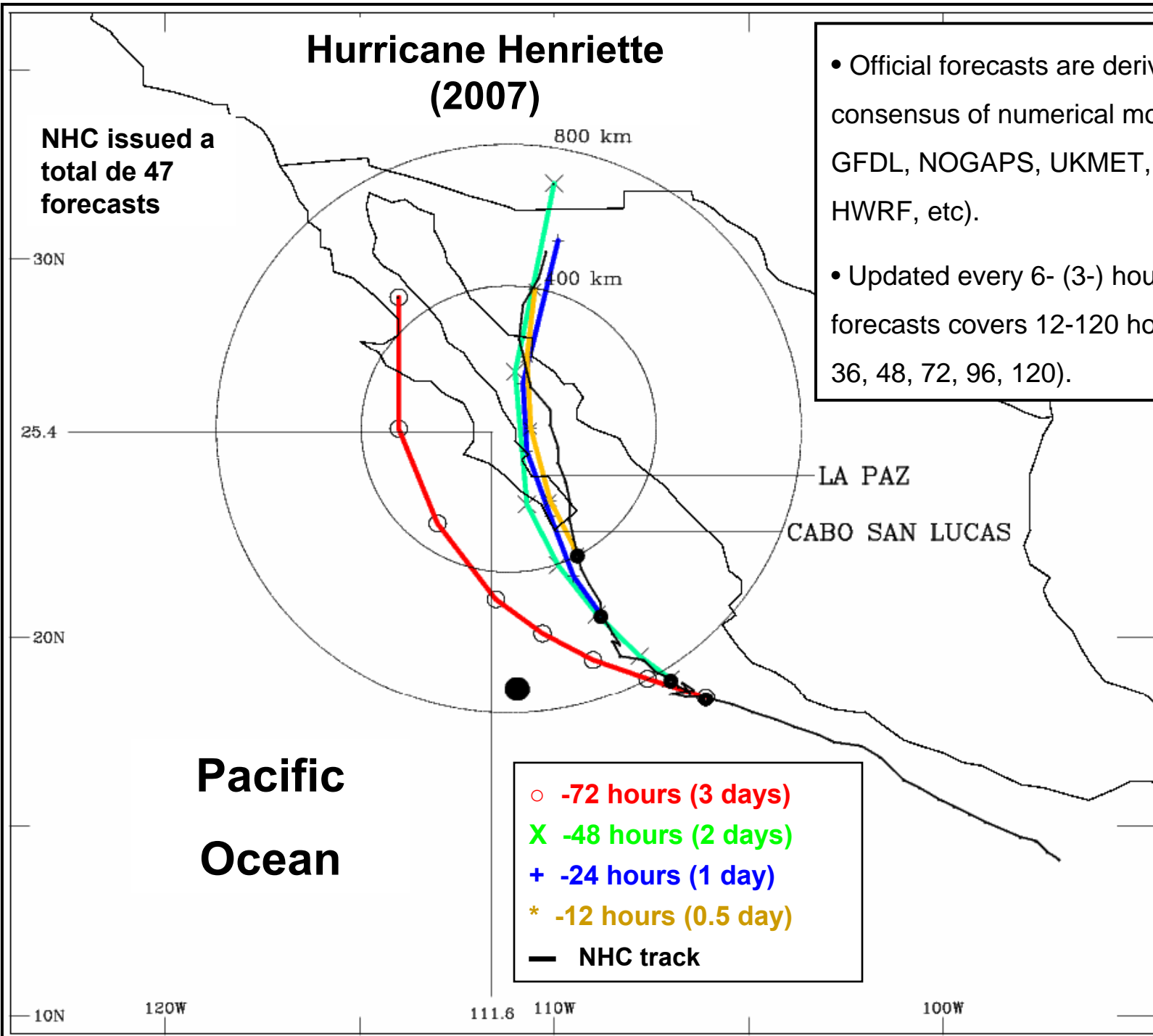


Tropical cyclone intensity at landfall

	H(07)	J(06)	M(03)	J(01)
$V_{\text{sus/gust}} =$	130/157	176/213	157/194	83/102
$P_{\text{min}} =$	972	958	970	996
$R_{61\text{km/h}} =$	162	88	196	150

Hurricane Henriette (2007)

NHC issued a
total de 47
forecasts

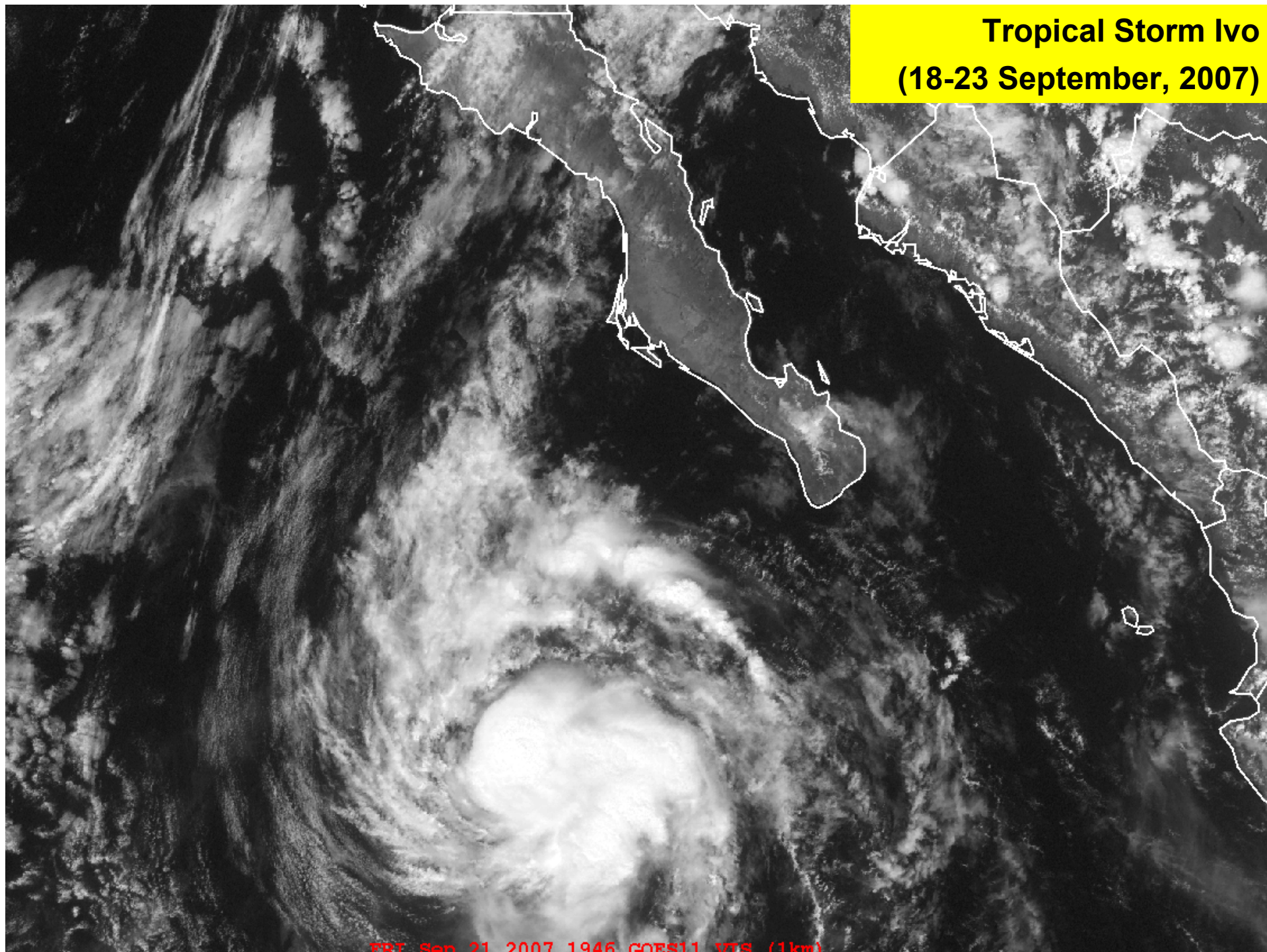


- Official forecasts are derived from a consensus of numerical models (GFS, GFDL, NOGAPS, UKMET, ECMWF, HWRF, etc).
- Updated every 6- (3-) hours and each forecasts covers 12-120 hours (12, 24, 36, 48, 72, 96, 120).

- -72 hours (3 days)
- X -48 hours (2 days)
- + -24 hours (1 day)
- * -12 hours (0.5 day)
- NHC track

Pacific
Ocean

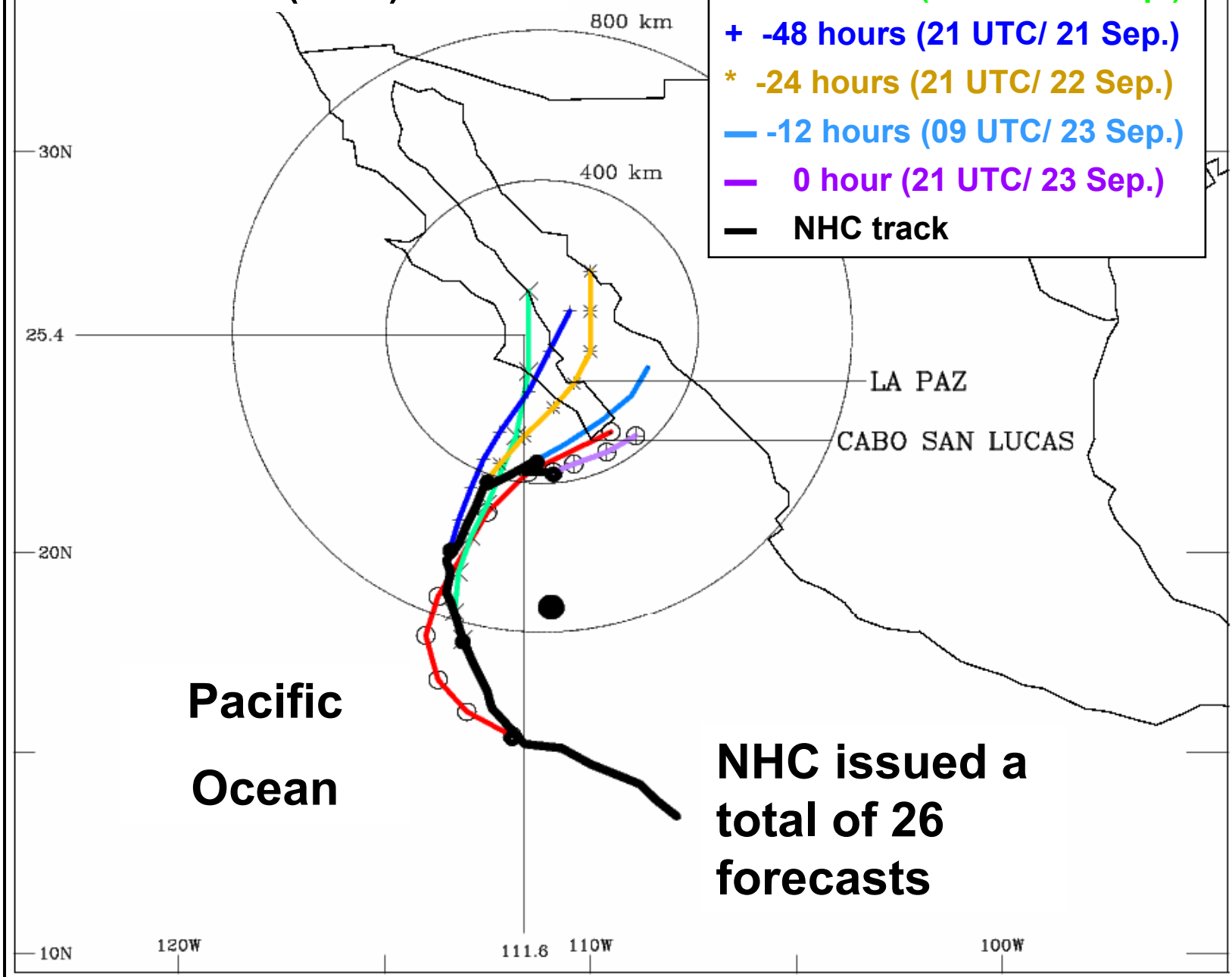
**Tropical Storm Ivo
(18-23 September, 2007)**



IRI Sep 21 2007 1946 GOES11 VTS (1km)

Tropical Storm Ivo (2007)

- -96 hours (21 UTC/ 19 Sep.)
- X -72 hours (21 UTC/ 20 Sep.)
- + -48 hours (21 UTC/ 21 Sep.)
- * -24 hours (21 UTC/ 22 Sep.)
- -12 hours (09 UTC/ 23 Sep.)
- 0 hour (21 UTC/ 23 Sep.)
- NHC track



Pacific
Ocean

NHC issued a
total of 26
forecasts

10N 120W 111.8 110W 100W



XII AYUNTAMIENTO DE LA PAZ

Dirección de Comunicación Social

**Support to
local, emergency
managers**

BOLETÍN DE PRENSA 1617

21 de Septiembre del 2007

Ante el debilitamiento del huracán “Ivo” a tormenta tropical y por la tarde del sábado a depresión tropical, según el reporte del meteorológico nacional, su llegada a tierra de la península sólo podría dejar lluvias benéficas para la producción agrícola y ganadera; afirmó Luís Farfán Molina -doctor investigador y especialista en meteorología del CICESE- durante la segunda reunión del Consejo de Protección Civil Municipal presidida por el alcalde Víctor Castro Cosío.



Plans for the warm season of 2008: June-October

- Install equipment to collect observations:
 - a) digital raingauge in southern mountains
 - b) surface stations at 5 locations (real time!)

- Install and operate Unidata's software:
 - a) LDM to receive regional-scale information
 - b) GEMPAK, McIDAS and IDV to visualize weather observations and forecasts

- Participate in emergency manager's meetings.

