

Abbreviated Tropical Cyclone Report
Tropical Depression Ten
7-9 September 2004

Richard J. Pasch
National Hurricane Center
21 November 2004

This depression originated from a tropical wave that crossed the coast of Africa on 29 August. The wave was accompanied by a well-organized area of disturbed weather that passed just north of the Cape Verde Islands early on 30 August. The disturbance moved westward over the eastern Atlantic for a couple of days, and then turned northwestward, northward, and northeastward while becoming less organized. However, on 7 September, a low-level circulation was evident, and although southwesterly shear was displacing most of the thunderstorms from the center, the deep convection was sufficiently close to the center to qualify the system as a tropical depression by 1200 UTC that day, while centered about 630 n mi southwest of the westernmost Azores. The cyclone did not strengthen significantly, since deep convection continued to be sheared northeastward from the center. Early on 9 September, the depression's motion became slow and erratic. Meanwhile, deep convection had become sheared far enough away from the center to cause the system to degenerate to a remnant low by 1200 UTC that day. The low turned southeastward and east-southeastward, and dissipated around 1800 UTC 10 September, about 230 miles west-southwest of the southernmost Azores. Table 1 lists the "best track" of this tropical cyclone, and Fig. 1 displays this best track.

Table 1. Best track for Tropical Depression Ten, 7-9 September 2004.

Date/Time (UTC)	Latitude (EN)	Longitude (EW)	Pressure (mb)	Wind Speed (kt)	Stage
07 / 1200	31.5	39.7	1009	25	tropical depression
07 / 1800	31.7	39.3	1009	25	"
08 / 0000	32.0	38.7	1010	25	"
08 / 0600	32.3	38.1	1011	25	"
08 / 1200	32.8	37.1	1012	25	"
08 / 1800	33.8	36.0	1012	25	"
09 / 0000	35.3	35.0	1012	30	"
09 / 0600	36.2	34.3	1013	30	"
09 / 1200	36.5	33.6	1013	30	remnant low
09 / 1800	36.0	33.4	1014	30	"
10 / 0000	35.7	32.3	1014	30	"
10 / 0600	35.5	31.0	1015	25	"
10 / 1200	35.3	29.5	1016	20	"
10 / 1800					dissipated
07 / 1200	31.5	39.7	1009	25	minimum pressure
09/0000	35.3	35.0	1012	30	maximum intensity

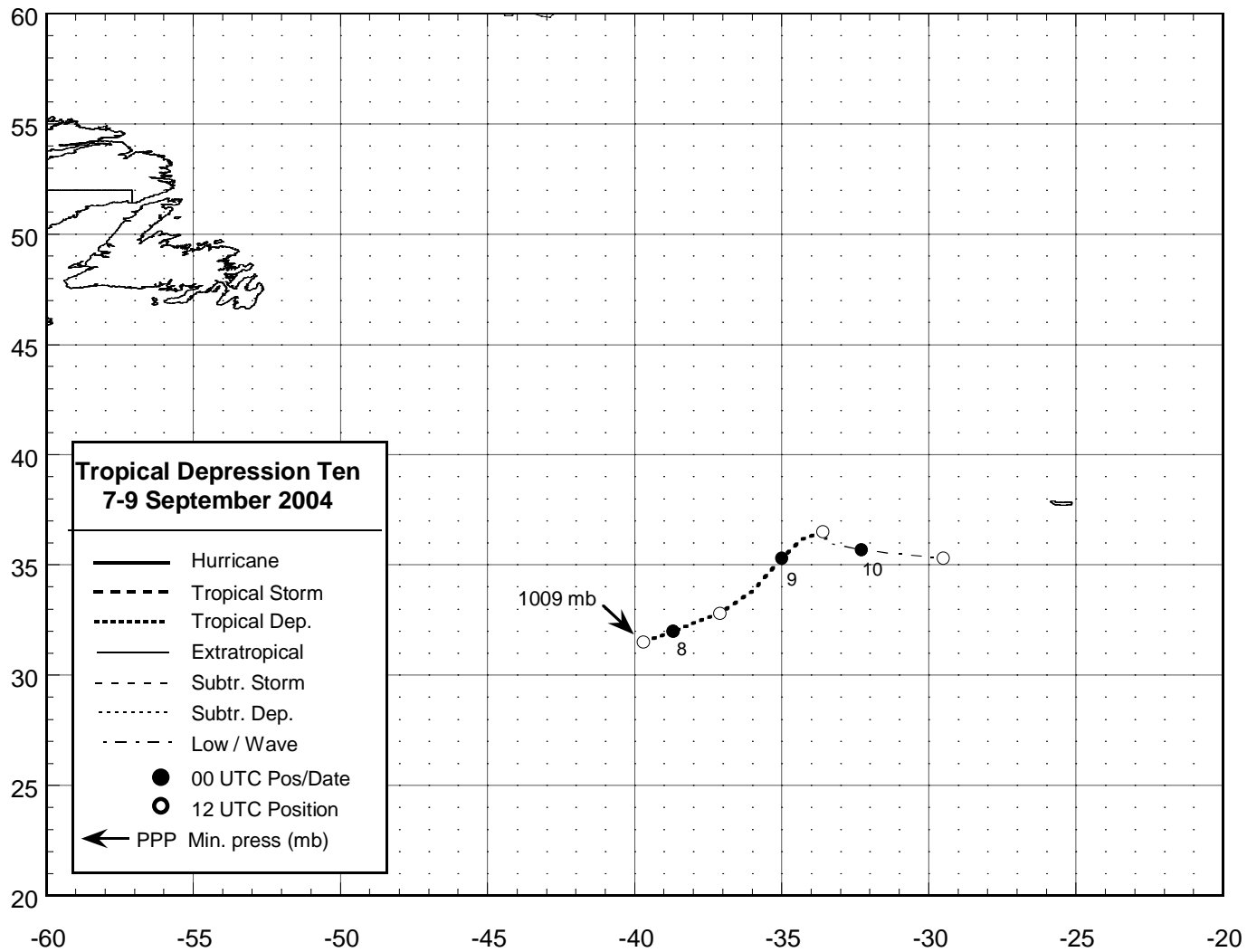


Figure 1. Best track positions for Tropical Depression Ten, 7-9 September 2004.