

TABLE 7-7 RADAR PARAMETERS OF GEMINI AND APOLLO TRACKING RADARS
(DOCKING)

CHARACTERISTIC	GEMINI	APOLLO
Frequency	L-band	X-band
Range	250 nmi	400 nmi
Range Accuracy	0.1% or 75'	1% or ±80' random
Range Rate	±500 FPS	±4900 FPS
Range Rate ACC	±5% or 1 FPS	1% OR 1 FPS random
Angular Coverage	±25° Pitch & Yaw	±55° Yaw, 225° pitch
Angular Accuracy	8.5 m RAD to 17 m RAD	2 m RAD Random + 8 m RAD Bias