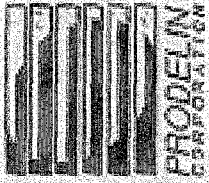
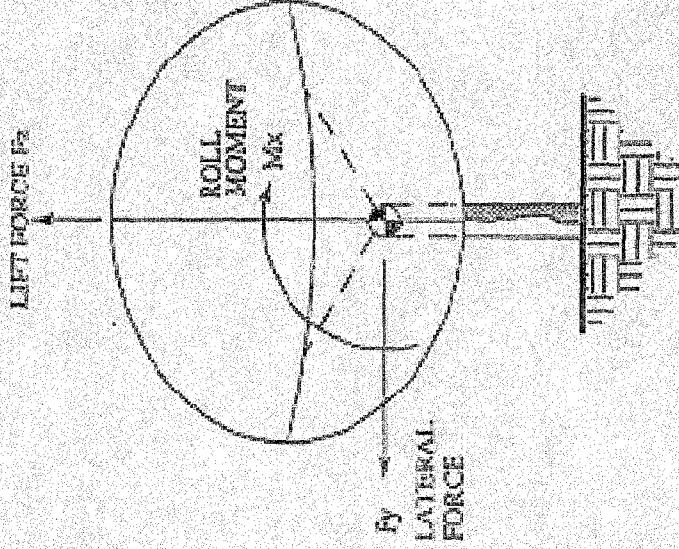


SERIES 2194 1.8M Rx/Tx HIGH WIND ANTENNA

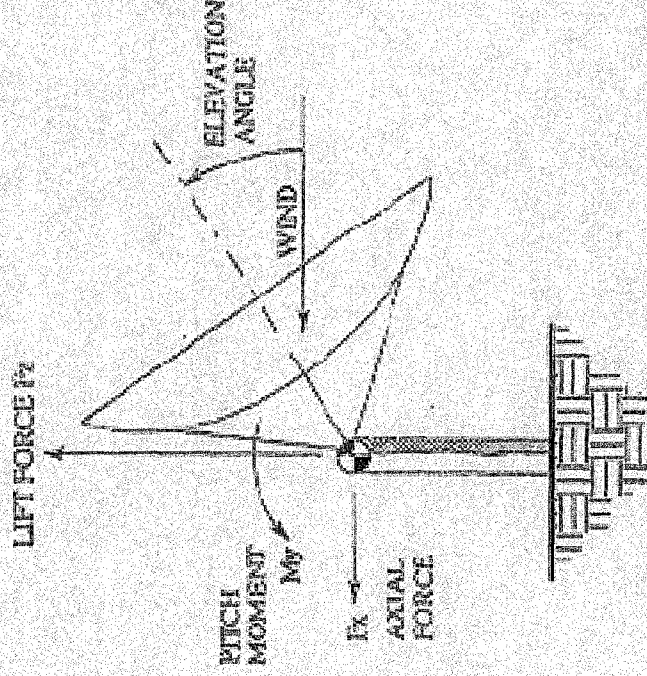


# POSITIVE SIGN CONVENTIONS FOR WIND LOAD DATA

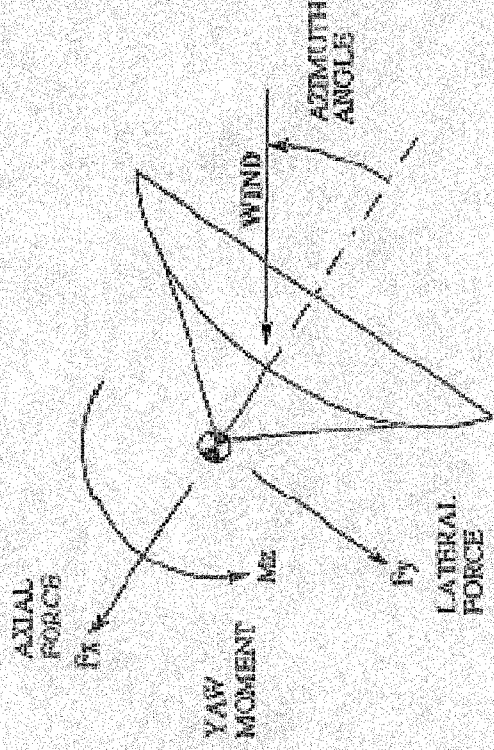
 FORCES AND MOMENTS ACT THROUGH ELEVATION AXIS



FRONT ELEVATION



SIDE ELEVATION



PLAN VIEW

Summary of results - Wind Load Program Version 2.0

1.8m High Wind @ 90mph Analysis by Prodelin 12-01-2005 09:16:46  
 Wind Speed 90.0 mph Dish Size 1.8 meters Axial Offset 1.1 feet  
 Vert Offset 0.4 feet Lat Offset 0.0 feet  
 All values shown below are maximum absolute values

a n g l e s		f o r c e s ( l b s . )			m o m e n t s ( f t . l b s . )		
		f x	f y	f z	m x	m y	m z
		axial	lateral	lift	roll	pitch	yaw
0	60	896					
0	310		848				
60	0			803			
30	320				593		
30	300					689	
0	300						1133

Summary of results - Wind Load Program Version 2.0

1.8m High Wind @ 150mph Analysis by Prodelin 12-01-2005 09:17:26

Wind Speed 150.0 mph Dish Size 1.8 meters Axial Offset 1.1 feet

Vert Offset 0.4 feet Lat Offset 0.0 feet

All values shown below are maximum absolute values

a n g l e s		f o r c e s ( l b s . )			m o m e n t s ( f t . l b s . )		
		f x	f y	f z	m x	m y	m z
		axial	lateral	lift	roll	pitch	yaw
0	60	2489					
0	310		2355				
60	0			2232			
30	320				1646		
30	300					1915	
0	300						3147