




# MODIS

## Integrated Mission Timeline

August 12, 1998  
MODIS Instrument Operations Team




# MODIS

## Mission Timeline

DAYS AFTER LAUNCH: 0  
Enable Survival Heaters

Activity #	Name	Real-Time Commanding?	Other
MOD-00	Launch	N/A	
MOD-10	Survival Mode	Yes, 2 min.	4-6 hours after launch



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 7  
Start Active Outgassing

Activity #	Name	Real-Time Commanding?	Other
MOD-20	On State	Yes, 5 min.	Should occur during the same contact
MOD-30	Standby Mode	Yes, 3 min.	
MOD-40*	Unlatch SVD	Yes, 6 min.	
MOD-50*	Open SVD to OC	Yes, 3 min.	Should occur during the same contact
MOD-60	Initial Outgas	Yes, 3 min.	

\*Command Authorization Meeting Required



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 21  
Science Mode

Activity #	Name	Real-Time Commanding?	Other
MOD-70*	Open SVD	Yes, 5 min.	
MOD-80*†	Science Mode	Yes, 7 min.	
MOD-90	Day/Night Rates	No	BAP

\* Command Authorization Meeting Required

† Expedited Data Required



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 22 - 23  
Instrument Checkout

Activity #	Name	Real-Time Commanding?	Other
MOD-100 <sup>†</sup>	Electronics Cal	No	Watch real-time
MOD-110	SRCA	Yes, 21 min.	Extended Contact
MOD-120	Blackbody	No	Watch real-time
MOD-125	Table Load/Dump	Yes, 12 min.	Extended Contact
MOD-130 <sup>†</sup>	SDSM	Yes, 10 min.	Extended Contact

<sup>†</sup> Expedited Data Required



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 23  
Reflective Band Noise Verification

Activity #	Name	Real-Time Commanding?	Other
MOD-140	RB Noise Check	No	Requires additional SSR capacity (7.8 Gb/orbit vs. 5.1)



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 23 - 25  
SRCA Calibrations

Activity #	Name	Real-Time Commanding?	Other
MOD-150	Full Radiometric	No, Watch real-time, Extended Contact (20 min.)	
MOD-160	Full Spectral	No	
MOD-170	Full Spatial	No, Watch real-time, Extended Contact (20 min.)	



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 29  
Open Solar Diffuser Door

Activity #	Name	Real-Time Commanding?	Other
MOD-190*	Unlatch SDD	Yes, 9 min.	
MOD-200	SDD Test	Yes, 16 min.	Extended Contact

\* Command Authorization Meeting Required



# MODIS Mission Timeline

DAYS AFTER LAUNCH: 30 - 36  
Yaw maneuvers / NAD Opening

Activity #	Name	Real-Time Commanding?	Other
MOD-210 - 225 †	SDD Screened/ NAD Closed	No	Yaw days 1-2
MOD-230 - 245 †	SDD Open/ NAD Closed	No	Yaw days 3-4
MOD-250*	NAD Unlatch	Yes, 10 min.	Should occur during same contact. Extended Contact
MOD-260*	NAD Open	Yes, 4 min.	
MOD-270 - 290 †	SDD Screened/ NAD Open	No	Yaw days 5-6

\* Command Authorization Meeting Required

† Expedited Data Required