



LASC PROTOCOL ONE-ALPHA-FIVE-NINER, 2130, MESSAGE TO  
COMMANDER NORTON, LONG RANGE SURVEY CRAFT ENDEAVOR,  
THIRD ORDER ENCRYPTION, YOUR EYES ONLY. FROM UNITED  
PLANETS HQ, LUNA.....

ASTEROID ///RAMA/// MISIDENTIFIED **STOP** NOW BELIEVED TO  
BE ARTIFACT **STOP** COURSE CHARTED FOR SOLAR INTERCEPT  
AND CONFIRMED DUE TO EFFECTS OF SOLAR GRAVITATIONAL  
PULL **STOP** RADIO SIGNALS ABSENT **STOP** ENDEAVOR IS TO  
APPROACH WITH CAUTION AND EXPLORE **STOP** ENDEAVOR TO  
TAKE MAXIMUM PRECAUTIONS DURING RENDEZVOUS ATTEMPT

ALERT ALERT ALERT ALERT ALERT ALERT ALERT ALERT ALERT

ENDEAVOR FUEL SUPPLIES DETERMINED TO BE INSUFFICIENT  
FOR RETURN TO BASE POST-RENDEZVOUS **STOP** HQ WILL DEPLOY  
FUEL TANKERS TO THE CALCULATED VICINITY OF ENDEAVOR/  
RAMA SEPARATION **STOP** WARNING: TANKER ARRIVAL IN  
VICINITY WILL OCCUR 11.4 DAYS FOLLOWING MAXIMUM SAFE  
DURATION OF RENDEZVOUS WITH RAMA.

PROTOCOL FOLLOWING: ARTIFACT DATA

LASC PROTOCOL FOUR-BETA-ONE-NINER, 2130, MESSAGE TO  
COMMANDER NORTON, LONG RANGE SURVEY CRAFT ENDEAVOR,  
THIRD ORDER ENCRYPTION, YOUR EYES ONLY. ARTIFACT DATA  
SURVEY FROM MARS BASE, SPACEGUARD .....

SHAPE: CYLINDRICAL

POLES: CONVEX, UNIDENTIFIED STRUCTURES NEAR CENTER OF  
SUNWARD POLE AXIS

LENGTH: 50KM ± .1KM

DIAMETER: 20KM ± .1KM

MATERIAL: UNKNOWN METALLIC CONTENT

LUMINOSITY: 0.58

MASS:  $8 \times 10^{15}$  KG ±  $0.2 \times 10^{15}$  KG

DENSITY: 1.7 G/CUB. CM. WHICH INDICATES RAMA IS HOLLOW

ROTATIONAL VELOCITY: .25 RPM WITH ANY POINT ON SURFACE  
OF CYLINDER TRAVELING AT VELOCITY OF 1000 KM/HR

ANGULAR VELOCITY: 15 REV/HR

VELOCITY WITH RESPECT TO SUN:  $245 \pm 2$  KM/SEC

VELOCITY WITH RESPECT TO ENDEAVOR:  $240 \pm 2$  KM/SEC

ACCELERATION: 0.02 KM/SEC/HR, INCREASING DUE TO SOLAR  
GRAVITATION

ORBIT: DETERMINED TO BE NON-ELLIPTICAL, NON-ASTEROIDAL

COURSE: TOWARD SUN



HISTORY: EARLY MISIDENTIFICATION AS ASTEROID DUE TO DISCOVERY OUTSIDE JUPITER ORBIT **STOP** REVISED ID BASED ON ABSENCE OF LIGHT CURVE **STOP** DATA INDICATES RAMA IS PERFECTLY SYMMETRICAL

ALERT ALERT ALERT ALERT ALERT ALERT ALERT ALERT  
 RAMA ON DIRECT COURSE TO SOLAR IMPACT **STOP** VELOCITY INCREASING DUE TO SOLAR GRAVITATIONAL FORCE **STOP** MISSION CLASSIFIED WITH DANGER FACTOR OF 98.274 **STOP** ADVISE HASTE IN RENDEZVOUS AND PRECAUTIONS AGAINST DELAYS

PROTOCOL FOLLOWING: TACTICS

LASC PROTOCOL NINER-GAMMA-EIGHT-ZERO, 2130, MESSAGE TO COMMANDER NORTON, LONG RANGE SURVEY CRAFT ENDEAVOR, THIRD ORDER ENCRYPTION, YOUR EYES ONLY, FROM MARS BASE, SPACEGUARD .....

ADDITIONAL DATA REGARDING: RENDEZVOUS WITH RAMA

PROBES CONFIRM FOLLOWING DATA USEFUL DURING INTERCEPT WITH ARTIFACT **STOP** ADVISE CONSIDERATION OF DATA ONLY IF MISSION MOVES INTO DELAY-AVOIDANCE MODE REPEAT ADVISE CONSIDERATION OF HINTS ONLY IF NECESSARY

**RAMA HINTS**

MONKEY HOUSE	DBCMF 4 UIFO HPMEJF, DPNF
PILLBOX	UVSO XIFFM SJHIU
INNER CHAMBER DOOR	QSFTT BMM 4 HPMEJF IFMQT
SPHERICAL ROOM	XIJUF UIFO CMVF
RECTANGLE BUILDING	HPMEJF, UJF MJOF
SPIDER ROOM	UISPX OFU
TUNNEL ENTRANCE	QVU SPE HO LOPC
KIOSK	QSFTT 4 CBST
SCALE	EFDSFBTF ZPVS XFJHIU
POD AREA	DMJNC PO
SEA	PQFO QFMMFU
HUB	GMZ ESBHPOGMZ
FURROW	MBTFS
FLOWER	DVU XJUI GJMF
SPONGE	HPMEJF
TILE	UVSO XIFFM BOE IPME SBJMT
CAGE	QVMM EPPS EPXO
COLUMNS	DPQZ UVOF
BIGHORN	BWPJE HSBUF
DIM ROOM	QSFTT EPNF
GLOBE	FYBNJOF UIFO QSFTT EJTL
SQUARE DOOR	GMPXFS
TRIANGLE DOOR	BMM USJBOHMFT PO
LIGHT SHAFT	FOUFS MJHIU
ENGINE ROOM	HPMEJF XJUI HMPCF EPXO CMVF IBUDIXBZ

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 ABCDEFGHIJKLMNOPQRSTUVWXYZ 012345,