

MSUPayload Plan

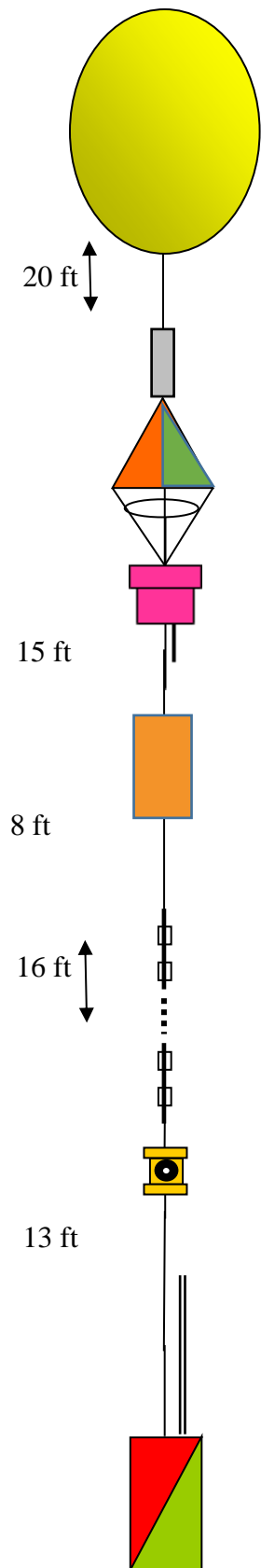
EOSS-363 Rev C

0735 MDT, date TBD

Heavy

Deer Trail, CO

(new weights and date change)



3000 gm
latex balloon

20 ft 240# woven nylon

12 ft Rocketman parachute with
remote release Charlie 820g (1.81#)

KC0D-3 Remote Release
145.710 MHz 515g (1.14#)

N992SS ADS-B
Total wt: 515g (1.14#) Squawk: 4453

8 MSU Student Experiment Packages
On 24" centers 500# woven nylon and 1 360° camera
Total wt: 7.086g (prelim) (15.62#)

AE OSS-4 JP5 Voyager Alias=VOYA
(letter "O")
Time slotted 0:12 & 0.51 144.340 MHz
471g (1.04#)

Item	Weight pounds	Weight kg
Student Experiments	15.62	7.086
EOSS Payloads	3.31	1.501
Parachute	1.81	0.820
Neck load	20.74	9.407
Balloon	6.61	3.000
Gross Weight	27.35	12.407
Gross Lift Factor	1.20	1.20
Neck Lift	26.21	11.886
H2 fill; scf (approx)	443	
Burst Altitude; kft km	104.1	31.7
Manual Release Altitude kft	102.1	

www.wxqa.com/sss/balon1.cgi
KC0D-3 / EOSS-363

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AE OSS-4 / EOSS-363

Realtime flight tracking: <http://track.eoss.org>