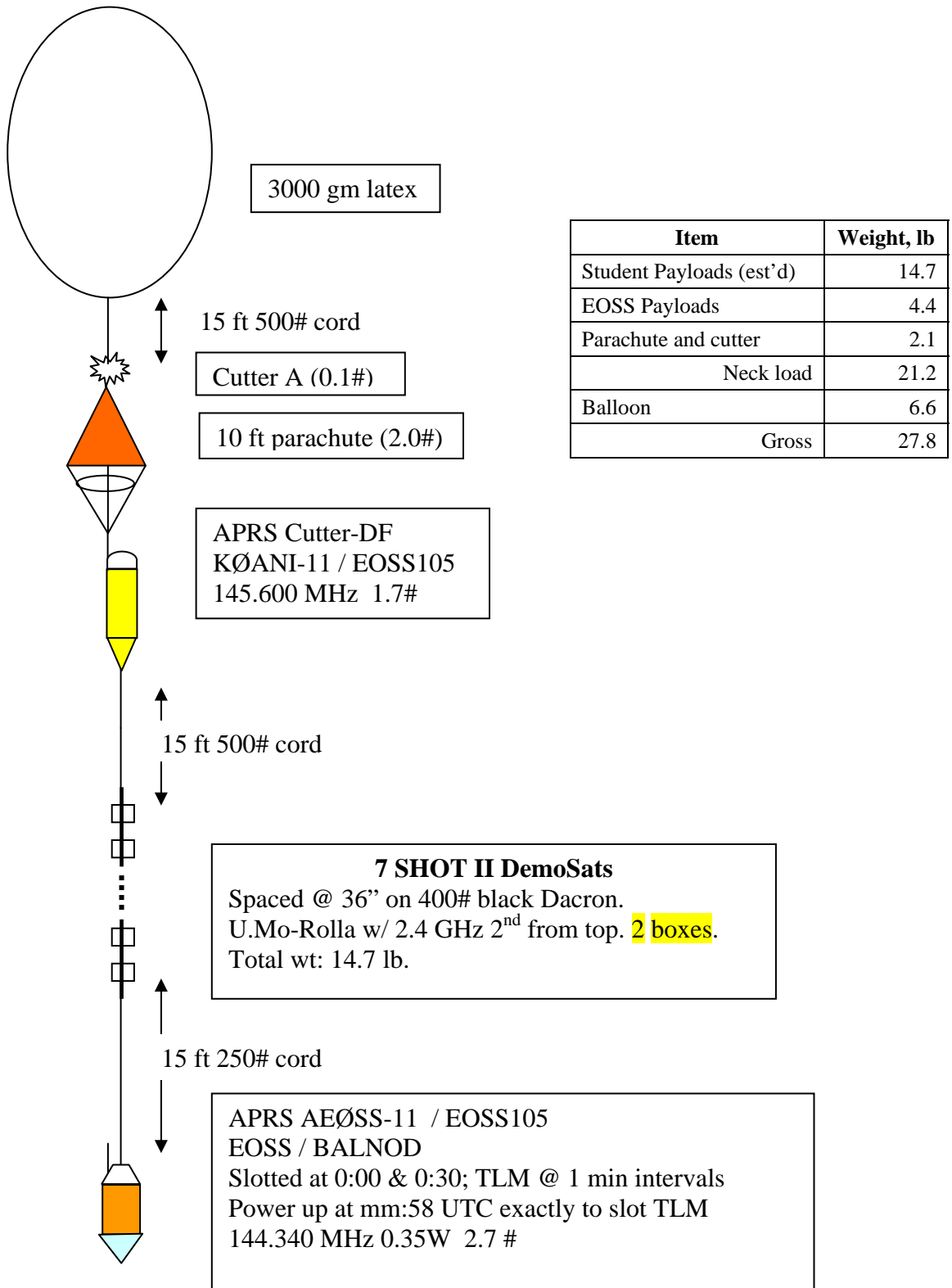


**Rev C – Final student payloads**



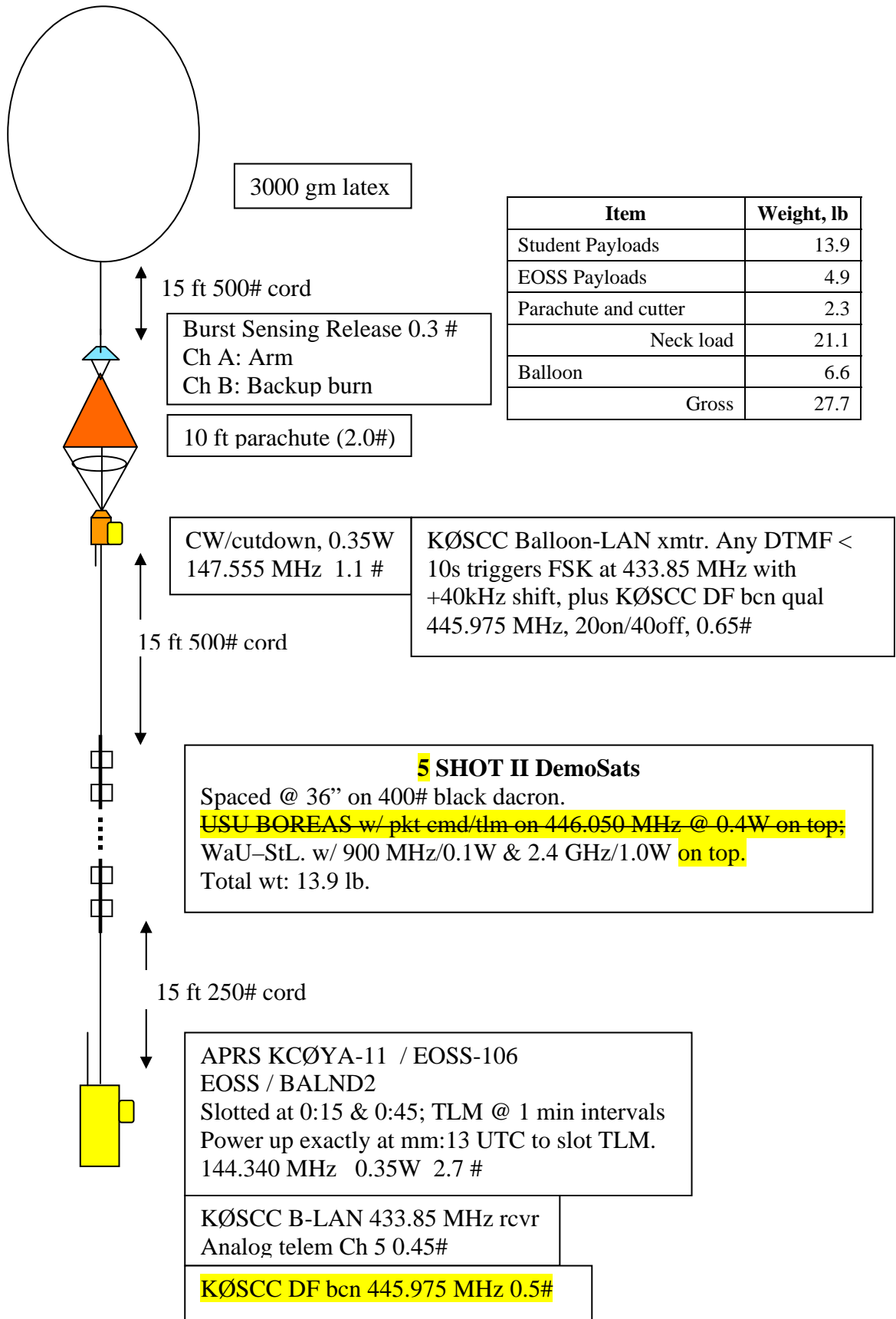
Item	Weight, lb
Student Payloads (est'd)	14.7
EOSS Payloads	4.4
Parachute and cutter	2.1
Neck load	21.2
Balloon	6.6
Gross	27.8

# Payload Plan

## EOSS-106

## 17/18 June 06 – 0815

Launch no sooner than 45 minutes after EOSS-105



3000 gm latex

Item	Weight, lb
Student Payloads	13.9
EOSS Payloads	4.9
Parachute and cutter	2.3
Neck load	21.1
Balloon	6.6
Gross	27.7

15 ft 500# cord  
 Burst Sensing Release 0.3 #  
 Ch A: Arm  
 Ch B: Backup burn

10 ft parachute (2.0#)

15 ft 500# cord  
 CW/cutdown, 0.35W 147.555 MHz 1.1 #  
 KØSCC Balloon-LAN xmtr. Any DTMF < 10s triggers FSK at 433.85 MHz with +40kHz shift, plus KØSCC DF bcn qual 445.975 MHz, 20on/40off, 0.65#

**5 SHOT II DemoSats**  
 Spaced @ 36" on 400# black dacron.  
 USU BOREAS w/ pkt emd/tlm on 446.050 MHz @ 0.4W on top;  
 WaU-StL. w/ 900 MHz/0.1W & 2.4 GHz/1.0W on top.  
 Total wt: 13.9 lb.

15 ft 250# cord  
 APRS KCØYA-11 / EOSS-106  
 EOSS / BALND2  
 Slotted at 0:15 & 0:45; TLM @ 1 min intervals  
 Power up exactly at mm:13 UTC to slot TLM.  
 144.340 MHz 0.35W 2.7 #

KØSCC B-LAN 433.85 MHz rcvr  
 Analog telem Ch 5 0.45#

KØSCC DF bcn 445.975 MHz 0.5#