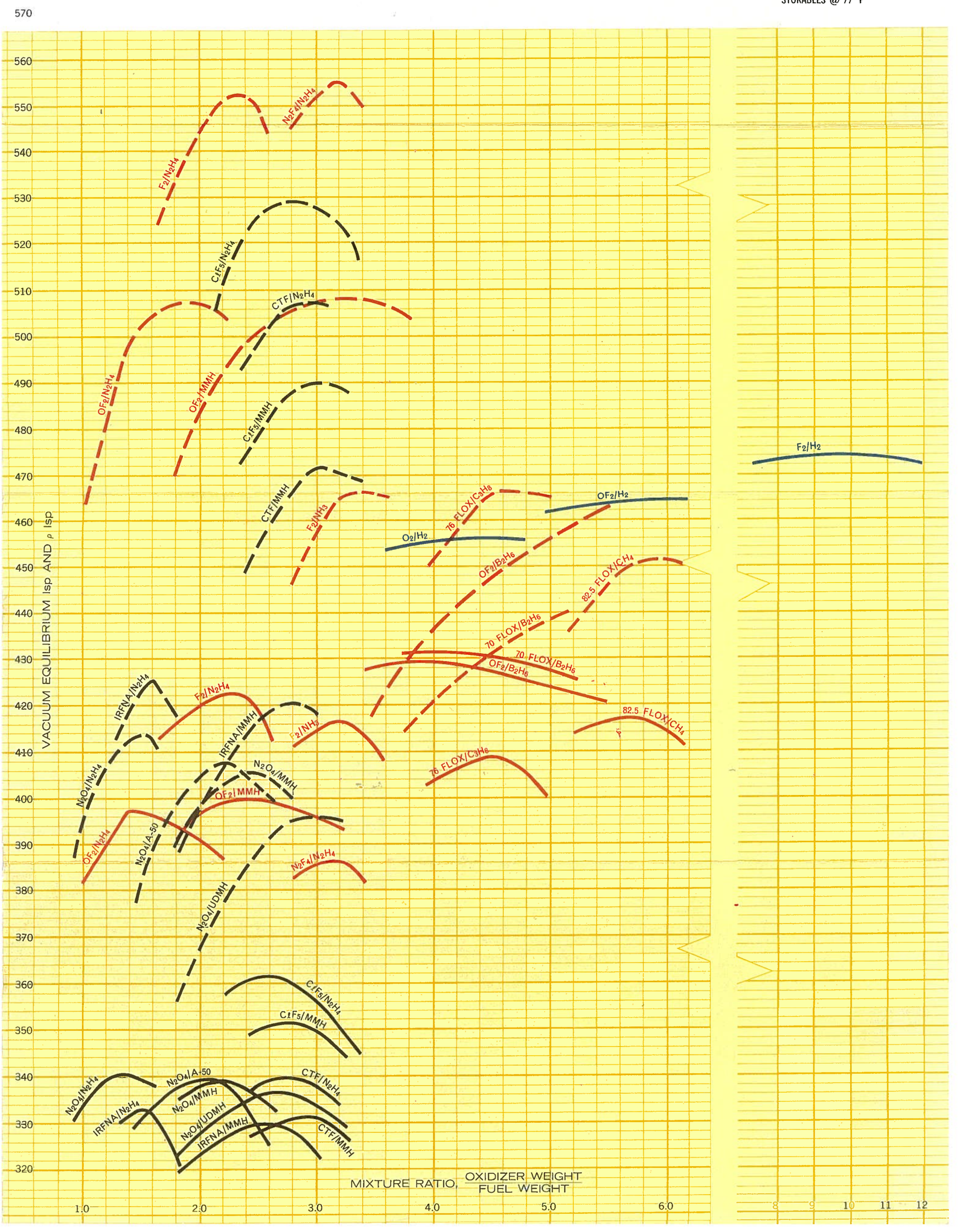
PROPELLANT PERFORMANCE SUMMARY

THEORETICAL

TRW SYSTEMS GROUP

PROPELLANT CATEGORIES

- CRYOGENIC
- SPACE STORABLES
- EARTH STORABLES

CHAMBER PRESSURE = 100 psia
AREA RATIO = 40:1
EQUILIBRIUM COMPOSITION
$\times\times$ FLOX DEFINES THE PERCENTAGE OF LF_2 IN BLEND OF $LF_2 + LO_2$

— Isp (sec)
– – – ρIsp $\left(\frac{gm}{cc}\text{ sec}\right)$
ρIsp FOR LH_2 SYSTEMS FALL BELOW THE RANGE OF THE CHART
DENSITY IS TAKEN @ NBP, EARTH STORABLES @ 77° F