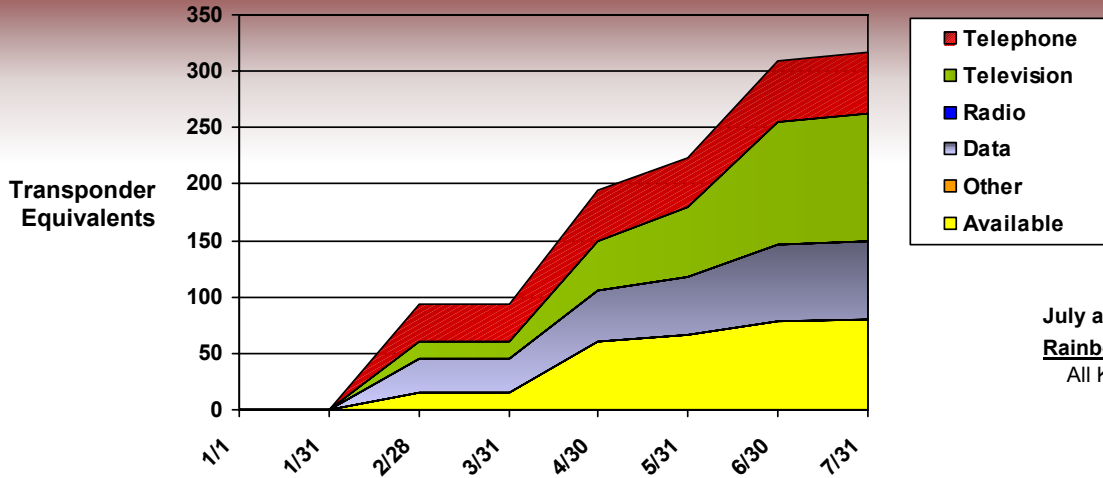




# Futron Satellite Telecommunications Report

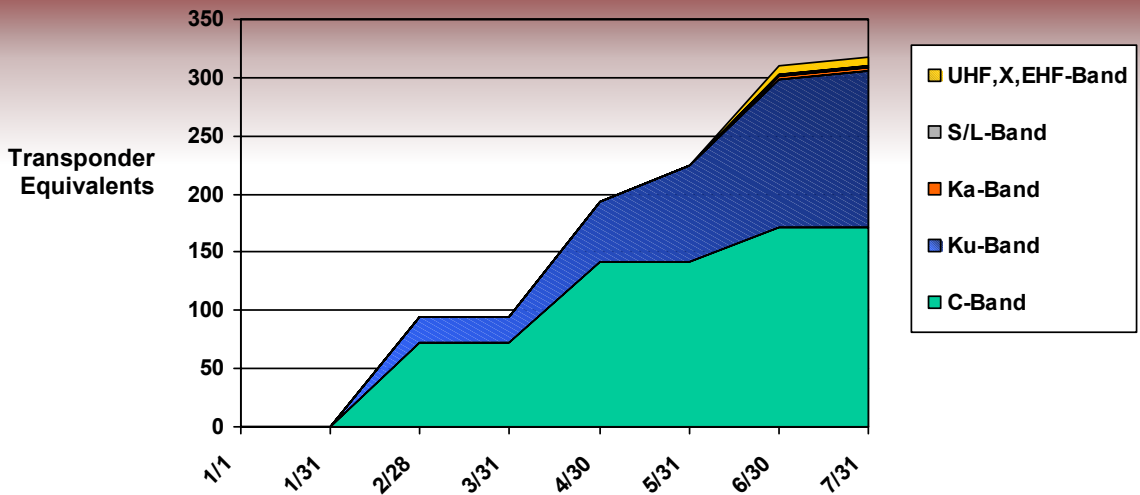
## 2003 Cumulative 36-MHz Transponder Equivalents Launched by Application



July additions:  
**Rainbow 1: 7 TEs**  
 All Ku-band

2003 Cumulative 36-MHz Transponder Equivalents by Application													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
Telephone	0	33	33	45	45	55.1	55.1						
TV	0	15	15	43	61	108	113						
Data	0	31	31	46	52	69	69						
Radio	0	0	0	0	0	0	0						
Other	0	0	0	0	0	0	0						
Available	0	15	15	60	66	77.8	79.8						
Totals	0	94	94	194	224	309.9	316.9						

## 2003 Cumulative 36-MHz Transponder Equivalents Launched by Frequency



2003 Cumulative 36-MHz Transponder Equivalents by Frequency													
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
C-Band	0	72	72	142	142	172	172						
Ku-Band	0	22	22	52	82	126	133						
Ka-Band	0	0	0	0	0	4	4						
S/L-Band	0	0	0	0	0	.9	.9						
UHF,X,EHF-Band	0	0	0	0	0	7	7						
Totals	0	94	94	194	224	309.9	316.9						

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