



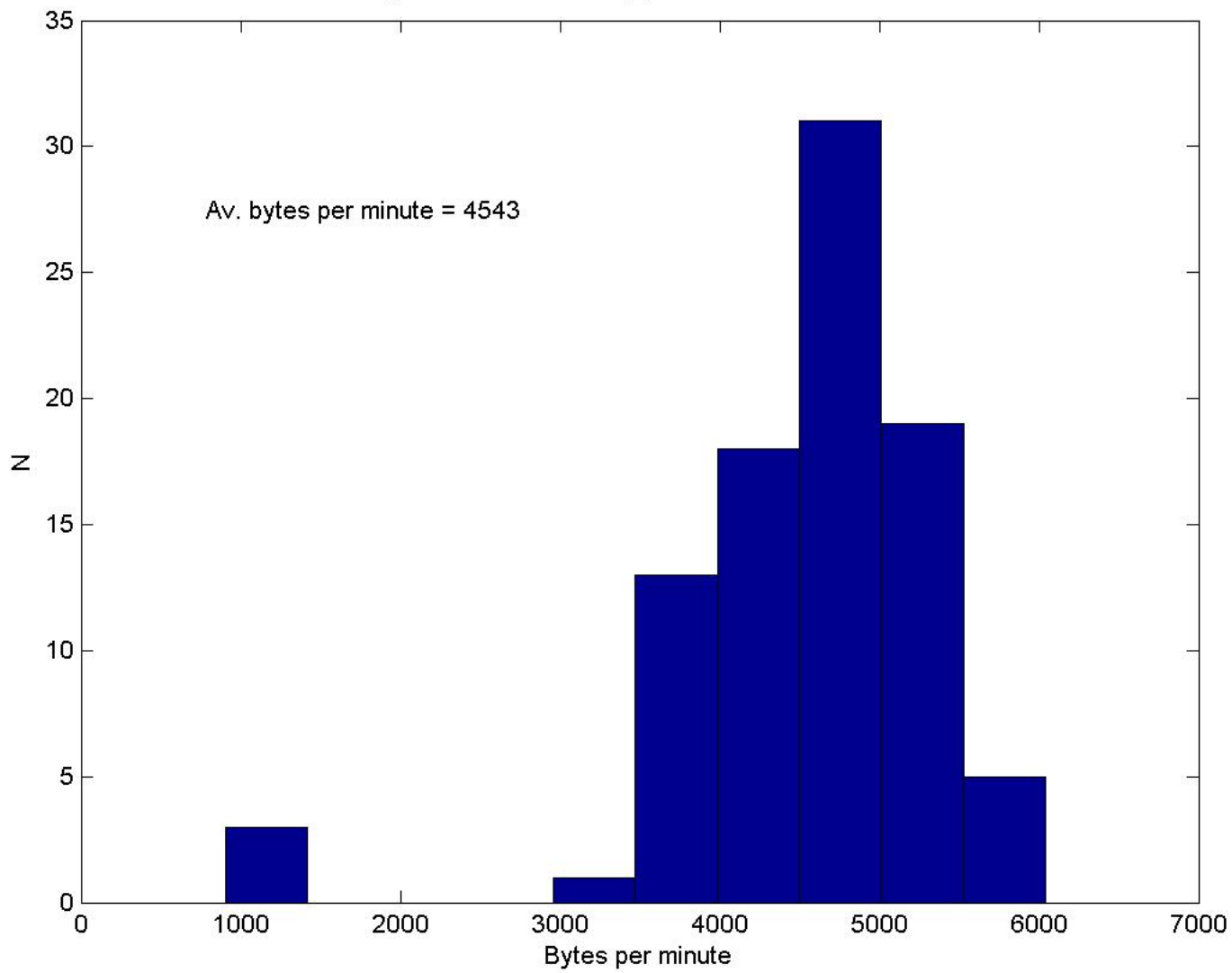




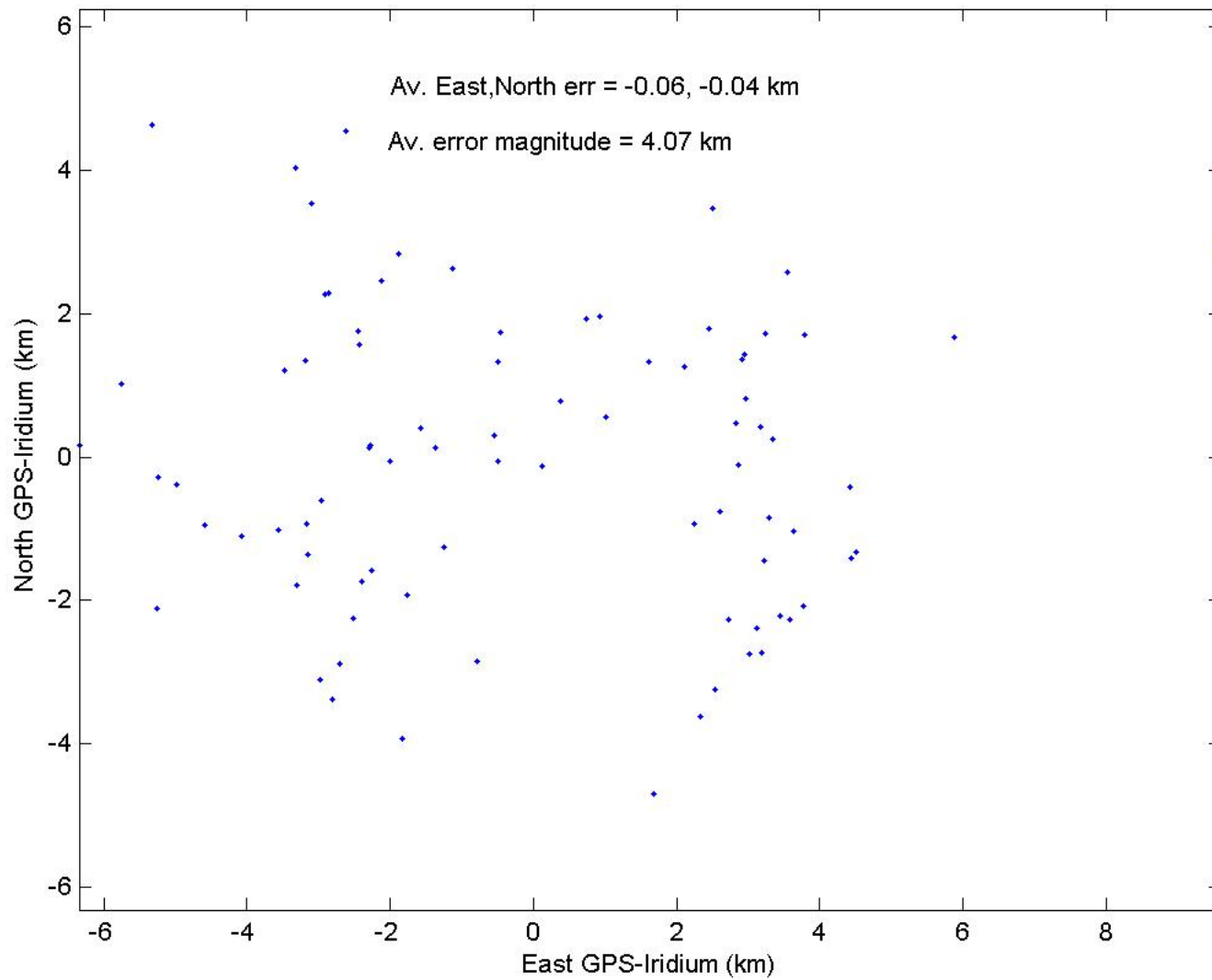
Configuration	Bytes/cycle	Cycle Time
ARGO	160	10 days
CBLAST	2000	4 hours
Mermaid	500 - 20K??	variable
LOPC	20K - 50K	1 hour - 10 days



Histogram of Iridium Throughput Rate



Error of Iridium Fix Compared to GPS



Comparison of SBD modems

<u>Model</u>	<u>Time/energy for 1960 byte message</u>	<u>Time/energy for 196 byte message</u>	<u>Time/energy for 10 196 byte messages</u>
9505 (A3LA)	17.5s / 81J	8.3s / 22J	83 s / 220J
9601	N.A.	9.9s / 8.1J	99 s / 81J

Energy Comparison of Data Links

ARGOS	54 J/byte
Orbcomm	0.5 J/byte
Iridium SBD	.04 J/byte