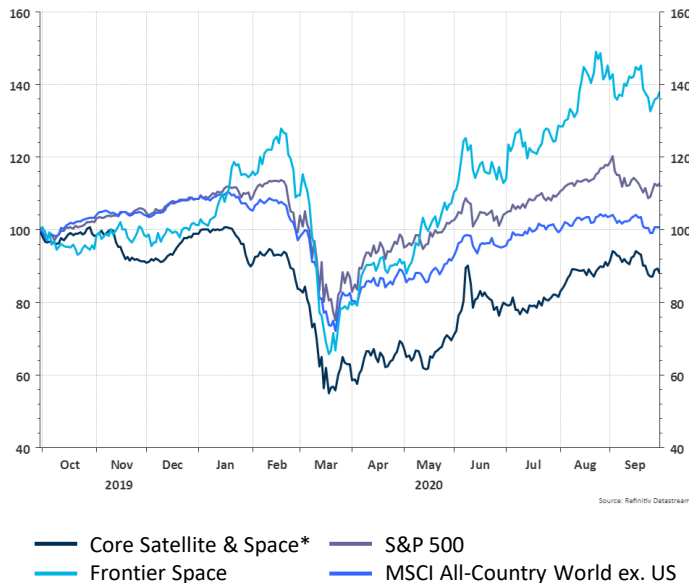


### Sept. 2020 Key Monthly Takeaways:

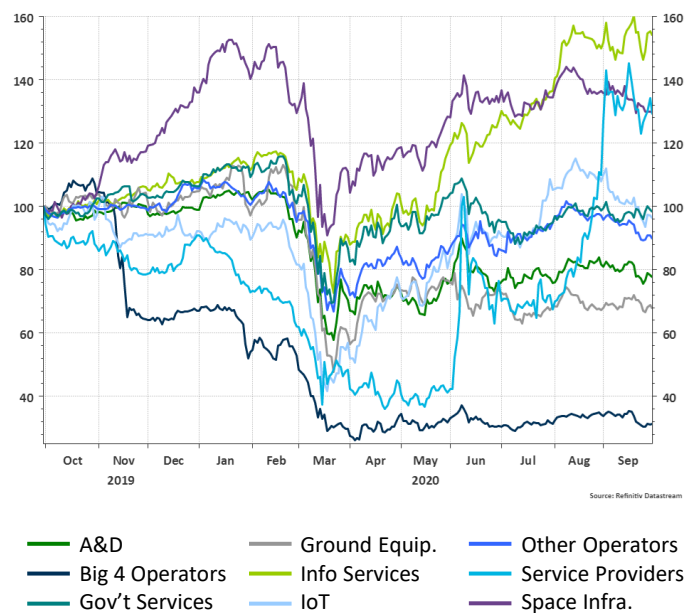
- Our Core Satellite & Space price index was down 2% in September (vs. the S&P 500 down 4%) as the sector's public company trading valuations remained largely consistent with August month-end. Announced transaction activity was muted during September, but we believe that underlying activity (e.g., strategic and financing processes) remains robust. Government/defense-related space themes continue to stand out as active areas of interest. On the commercial satellite communications side, we believe that some stability has returned outside of the most severely COVID-affected end-markets.

## Public Stock Performance

### LTM Core Satellite & Space vs. Indices

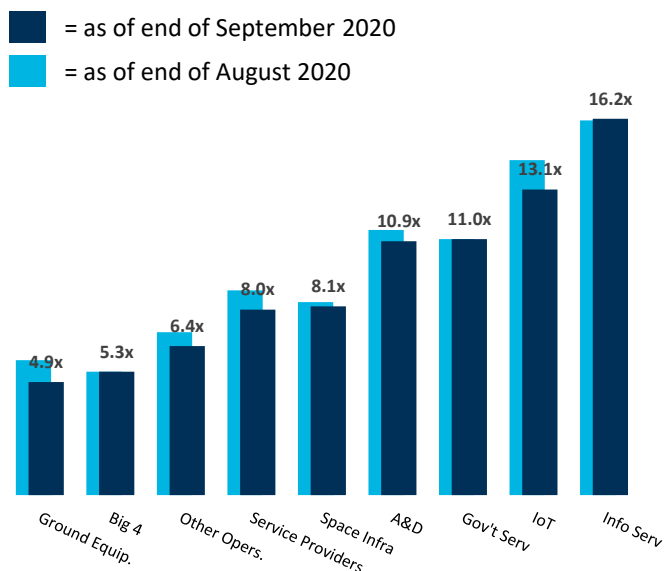


### LTM Satellite & Space by Sub-Sector



\* See page 3 for detailed list of index participants All sub-sector closing prices converted to USD on an equal-weighted basis.

## Public Company EV / CY 2021E EBITDA\*



- For a full list of the companies within each index – see page 3.
- New additions to both price performance and trading comps include Parsons and Perspecta within the Gov't Services sub-sector.

- Satellite & Space sector public company trading & valuations remained largely consistent in September with the prior month.
- The Big 4 Operator index was down 9%, driven by Loral (-22%), which owns a 62.7% economic interest in Telesat though a 32.6% voting interest. The specific reason for the recent slide in LORL is unclear, but it has been widely reported that Loral and Telesat's other key shareholder, PSP, are in negotiations to merge and take Telesat public, in part to raise financing for Telesat LEO. Such deal could be agreed and announced this fall.
- More broadly, many satellite communications operators continue to trade at fairly low valuations by historical standards.
- Satcom Service Providers were up 18% on Gogo's 80% rally following its Aug. 31 announcement that its CA business will be acquired by Intelsat for \$400m. Meanwhile, the Speedcast and Global Eagle Chapter 11 proceedings continue to advance, with the outcome of both processes to become clearer in October.
- Our public company Internet of Things (IoT) index was down 11%, driven by a broad-based decline across that sub-sector.

## Monthly Transaction Activity

Target	Acquirer / Investor	Transaction EV (USD \$Mil)	TEV / LTM Adj. EBITDA
<b>Acquisitions / Buy-Outs</b>			
Tallysman Wireless Inc.	Calian Group Ltd	\$18.8 <sup>(1)</sup>	n.d.
Galaxy Broadband	Crown Capital Partners	5.6	n.d.
Alliance Spacesystems, LLC (subsidiary of SolAero)	Applied Composites Holdings, LLC (platform co. of AE Industrial Partners)	n.d.	n.d.
NSL (Nottingham Scientific Limited)	GMV Innovating Solutions Limited	n.d.	n.d.
Dynamic Concepts	QuantiTech LLC	n.d.	n.d.
<b>Private Equity &amp; Related Investments</b>			
Landspace	Led by consortium of investors	\$175.0	n.m.
Iceye	Led by True Ventures	87.0	n.m.
GHGSat	Led by the Government of Québec's Investissement Québec	30.0	n.m.
PLD Space	Arcano Partners	8.3	n.m.
Cloud Agronomics	Led by SineWave Ventures	6.0	n.m.
LiveEO	Led by DvH Ventures	4.0	n.m.
QuadSAT	Led by consortium of investors	2.3	n.m.
Sugarhouse Aerospace	Undisclosed	n.d.	n.m.
<b>Public Equity &amp; Related Investments</b>			
None Announced			

(1) The definitive agreement is valued at up to US\$18.8mm which includes two earnout periods totaling \$6.8mm, and net cash at closing of \$12.0mm. Tallysman's results will be consolidated and reported under Calian's Advance Technology segment.

- There were no large M&A transactions and a decrease in deal volume in September versus August. We recorded 13 Satellite & Space ecosystem transactions in September versus 15 in the prior month. Despite the lower number of announced deals, we believe that deal-making momentum remains robust particularly compared to spring/early summer.
- Financial sponsors are driving much of the transaction activity. AE Industrial Partners' portfolio company Applied Composites has acquired SolAero's Alliance Spacesystems (a leader in composite structures for satellites), Crown Capital Partners is acquiring Canadian satcom service provider Galaxy Broadband. Sagewind Capital-backed QuantiTech is acquiring Dynamic Concepts, which supports NASA and others with engineering related services for human spaceflight.
- Other acquisitions in the month included Tallysman Wireless (GPS/GNSS and MSS antennas) and UK-based NSL (expertise in GNSS-related services and technologies). The growing need for Assured PNT solutions has come to the forefront in recent years, and we would expect ongoing activity in this segment of the ecosystem.
- China-based Landspace raised another \$175m for development of its Zhuque-2 launch vehicle series in September.
- Earth observation/GEOINT ecosystem investment is active. Iceye, a leading provider of smallsat-based SAR imaging, raised a successful \$87m Series C financing round. GHGSat, focused on monitoring greenhouse gas emissions, raised its Series B after a recent successful satellite launch. LiveEO and Cloud Agronomics are downstream EO-related applications.

## Investment Banking at Quilty Analytics

- 75+ M&A/Advisory Transactions
- 70+ Financing Transactions
- Strategy & Consulting

**Exclusive Sector Focus:** Investment banking leadership in Satellite & Space, leveraging deep sector expertise and relationships

**M&A and Financing Experience:** Hundreds of successful M&A and financing advisory transactions across nearly all sub-sectors

**Broad Network:** Wide network of relevant strategic and investor relationships extending throughout the full ecosystem



Eutelsat	Big 4 Operator	Airbus	A&D	Aerojet Rocketdyne	Core S&S	Mynaric	Frontier Space
Intelsat *	Big 4 Operator	Boeing	A&D	APT Satellite	Core S&S	AAC Clyde Space AB	Frontier Space
SES Global	Big 4 Operator	L3Harris Technologies	A&D	Avio	Core S&S	ExactEarth	Frontier Space
Loral Space & Comm.	Big 4 Operator	Honeywell	A&D	Comtech	Core S&S	GomSpace	Frontier Space
Comtech	Ground Equipment	Lockheed Martin	A&D	Echostar	Core S&S	Sky & Space Global *	Frontier Space
Gilat	Ground Equipment	Northrop Grumman	A&D	EOS	Core S&S	Urthecast	Frontier Space
Intellian	Ground Equipment	Raytheon	A&D	Eutelsat	Core S&S	Kleos Space	Frontier Space
Aerojet Rocketdyne	Space Infrastructure	Thales	A&D	Gilat	Core S&S	Ovzon	Frontier Space
Avio	Space Infrastructure	EOS	A&D	Global Eagle *	Core S&S	Virgin Galactic	Frontier Space
OHB SE	Space Infrastructure	Hexagon	Info Svcs	Globalstar	Core S&S		
APT Satellite	Other Operator	IHS	Info Svcs	GoGo	Core S&S		
Echostar	Other Operator	Verisk	Info Svcs	Inmarsat *	Core S&S		
Inmarsat	Other Operator	Maxar	Info Svcs	Intellian	Core S&S		
Thaicom	Other Operator	CalAmp	IoT	Intelsat *	Core S&S		
Iridium	Other Operator	ORBCOMM	IoT	Iridium	Core S&S		
Sky Perfect JSAT	Other Operator	Sierra Wireless	IoT	KVH Industries	Core S&S		
ViaSat	Other Operator	Trimble	IoT	L3Harris	Core S&S		
Globalstar	Other Operator	CACI International	Gov't Services	Loral Space & Comm.	Core S&S		
Global Eagle	Service Provider	SAIC	Gov't Services	Maxar	Core S&S		
GoGo	Service Provider	Mantech	Gov't Services	OHB SE	Core S&S		
KVH Industries	Service Provider	Leidos	Gov't Services	Orbcomm	Core S&S		
RigNet	Service Provider	Cubic Corporation	Gov't Services	RigNet	Core S&S		
Speedcast *	Service Provider	Kratos	Gov't Services	SES Global	Core S&S		
		Parsons	Gov't Services	Sky Perfect JSAT	Core S&S		
		Perspecta	Gov't Services	Speedcast *	Core S&S		
				Thaicom	Core S&S		
				ViaSat *	Core S&S		

- Companies with an asterisk have gone private (Inmarsat) or entered bankruptcy (Intelsat, Speedcast, Global Eagle, Sky & Space Global) within the last twelve months. Price performance is included up until the date of their respective filings. Inmarsat was acquired and taken private year-end 2019. Its price performance is included up to the transaction's date of completion.

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