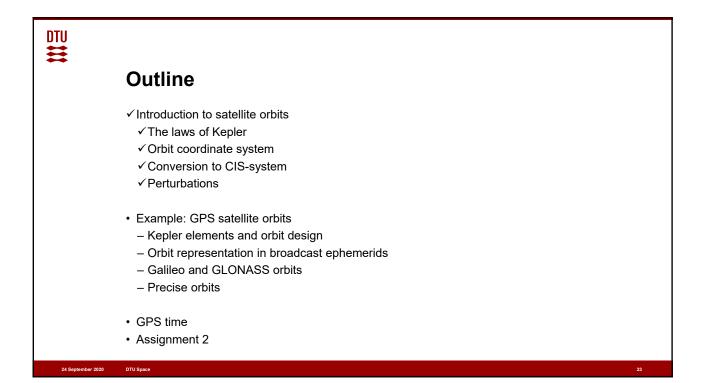


DTU

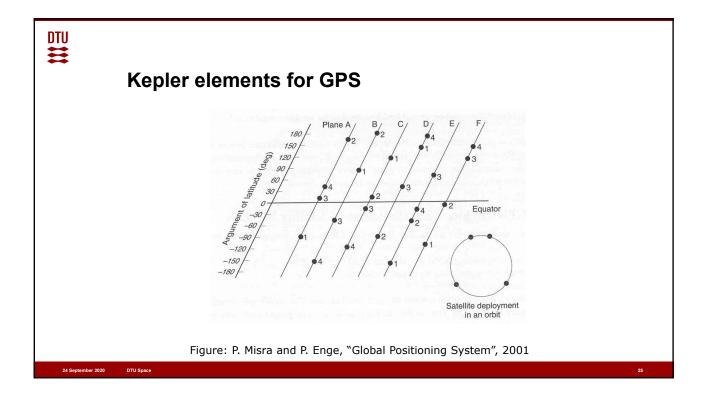
Size of perturbations of GPS satellite motion – if not accounted for

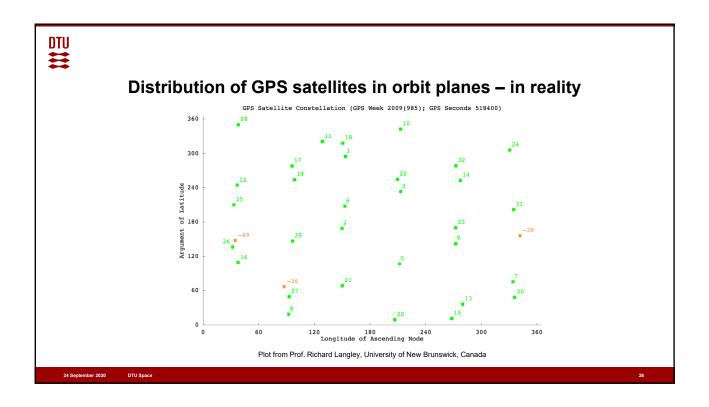
Effect on GPS orbit after 2 hours	Effect on GPS orbit after 3 days
2 km	14 km
50 – 80 meter	100 – 500 meter
5 – 150 meter	1 – 3 km
-	0.5 – 1.0 meter
-	0.0 – 2.0 meter
5 – 10 meter	100 – 800 meter
-	1.0 – 1.5 meter
	after 2 hours 2 km 50 – 80 meter 5 – 150 meter -

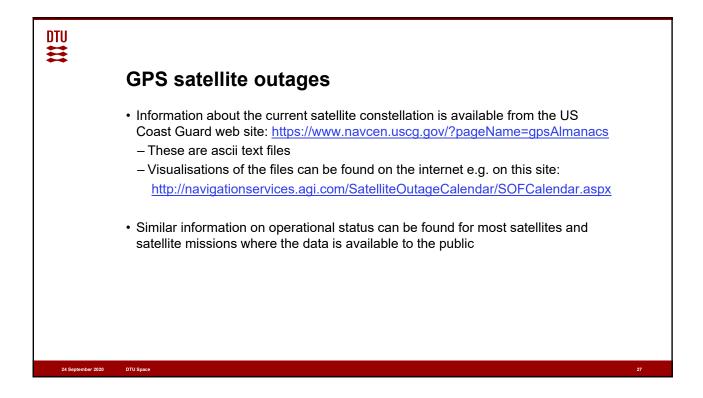
Source: G. Seeber, "Satellite Geodesy", 2nd edition, de Gruyter

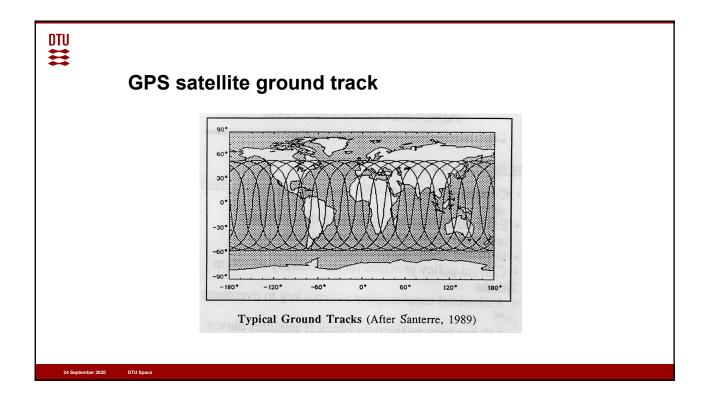


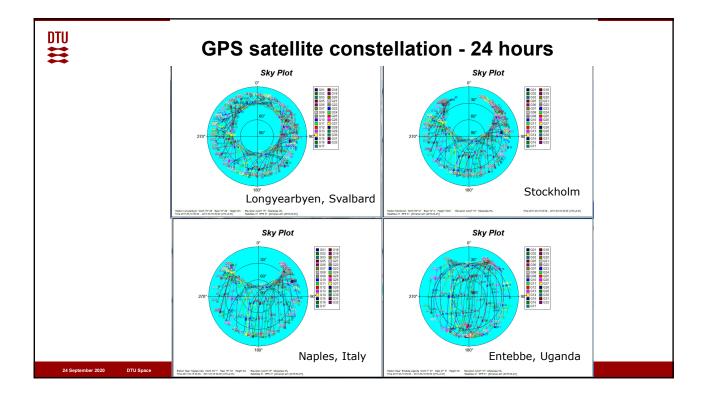
ropio		nents f	0.0.				
				y: 0; Inclinati	4-satellite GPS cc on: 55°; Argument of 998)1		
	Slot ID	Right Ascension (deg)	Mean Anomaly (deg)	Slot ID	Right Ascension (deg)	Mean Anomaly (deg)	
	A3	272.85	11.68	D1	92.85	135.27	
	A4	272.85	41.81	D4	92.85	167.36	
	A2 A1	272.85 272.85	161.79 268.13	D2 D3	92.85 92.85	265.45 35.16	
	Di	000.05					
	B1 B2	332.85 332.85	80.96 173.34	E1 E2	152.85 152.85	197.05 302.60	
	B4	332.85	204.38	E4	152.85	333.69	
	B3	332.85	309.98	E3	152.85	66.07	
	C1	32.85	111.88	F1	212.85	238.89	
	C4	32.85	241.57	F2	212.85	345.23	
	C3	32.85	339.67	F3	212.85	105.21	
	C2	32.85	11.80	F4	212.85	135.35	

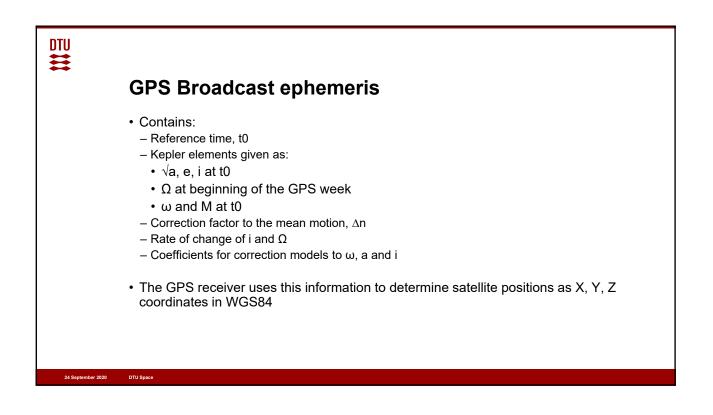


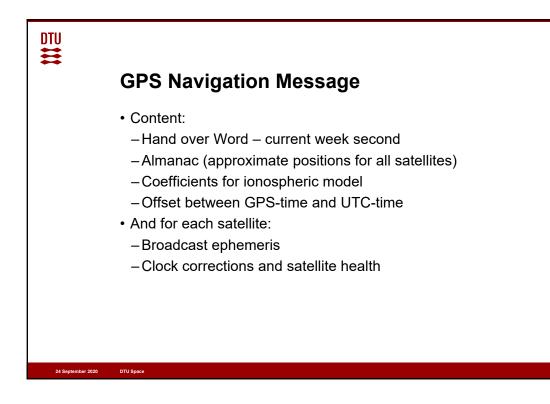


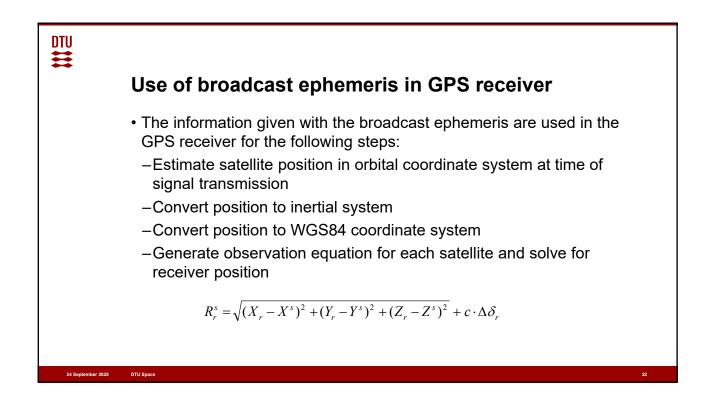


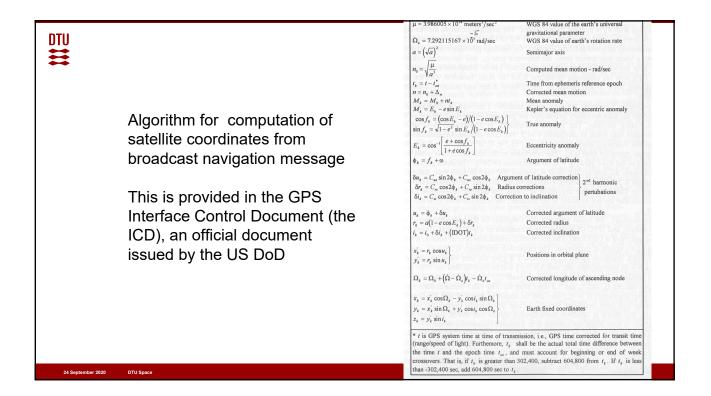


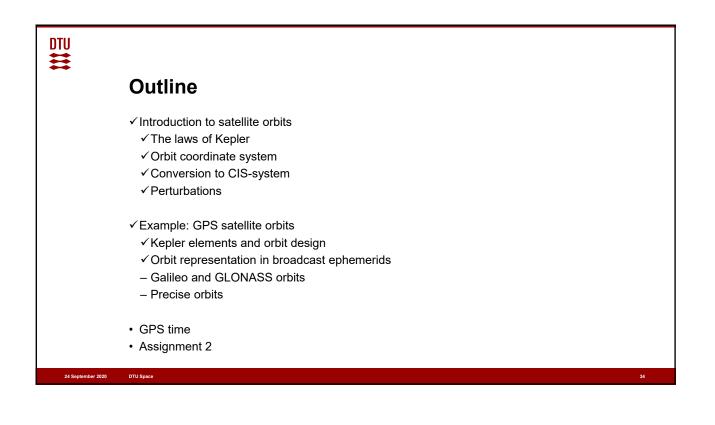


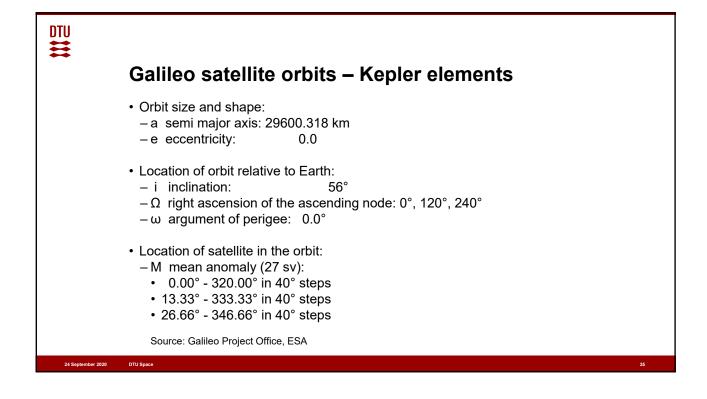


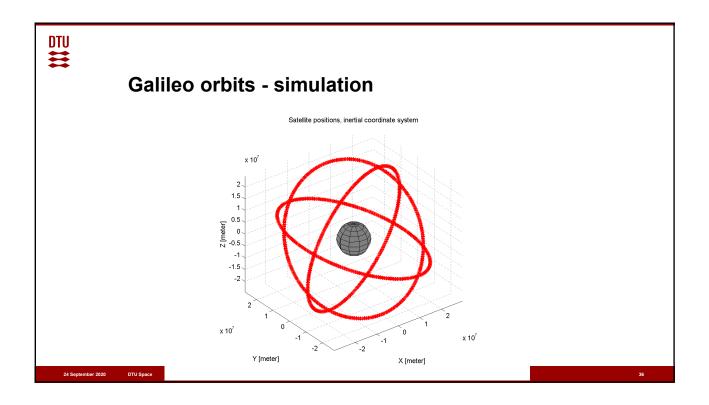


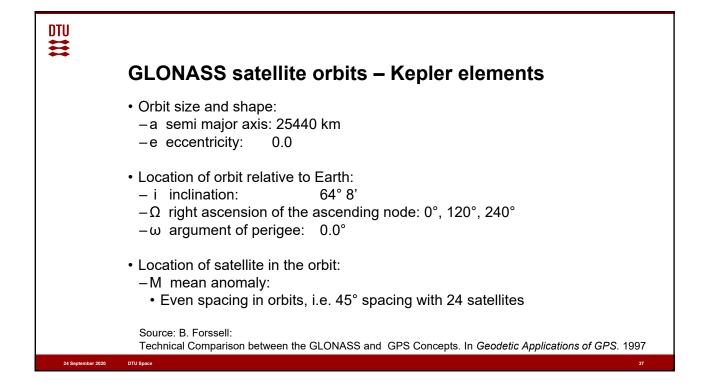


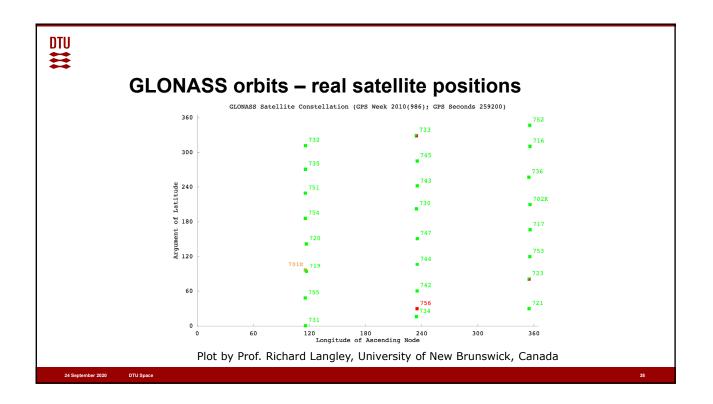


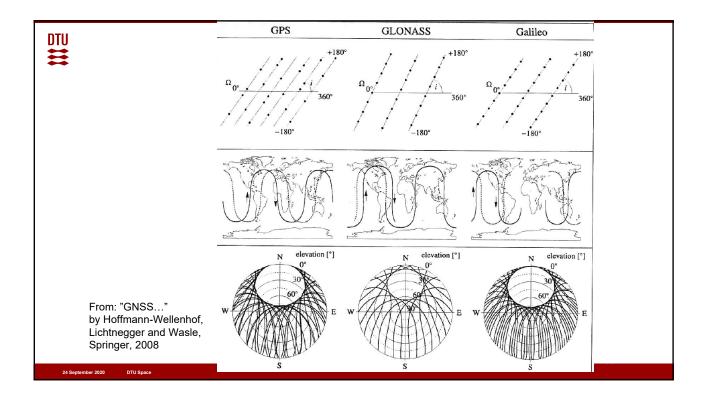


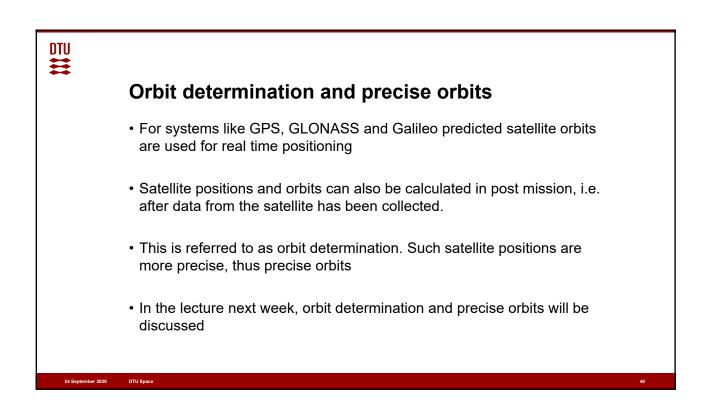


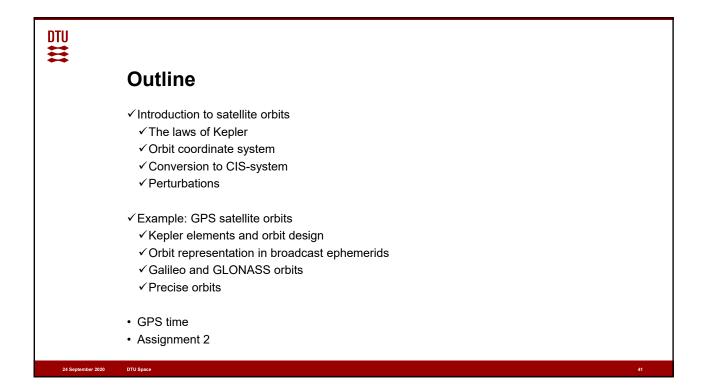


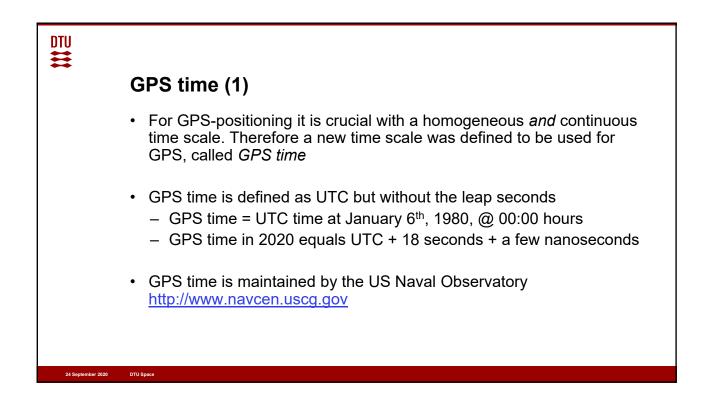


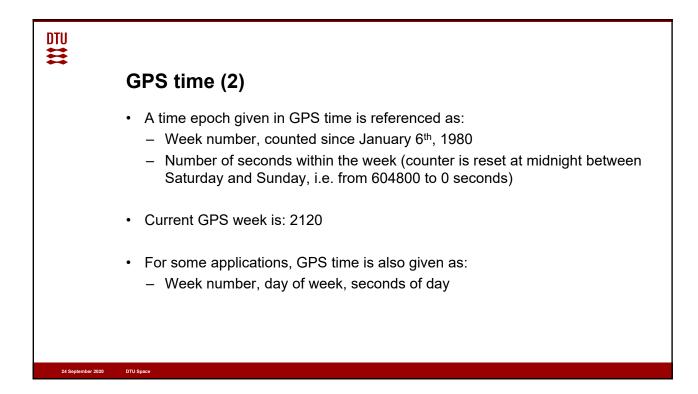


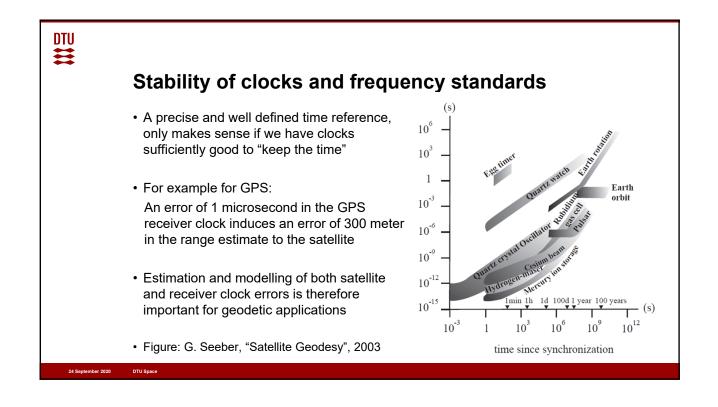


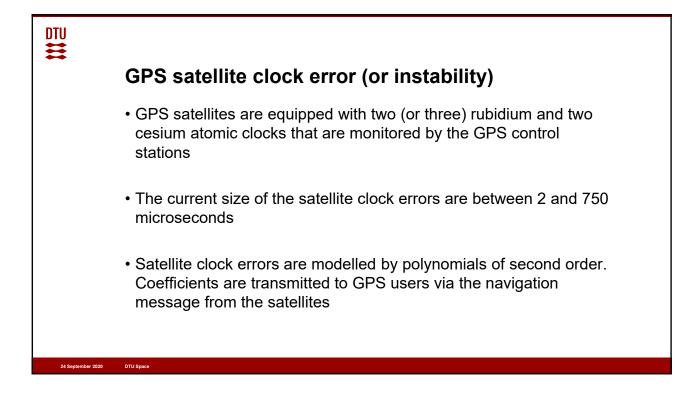


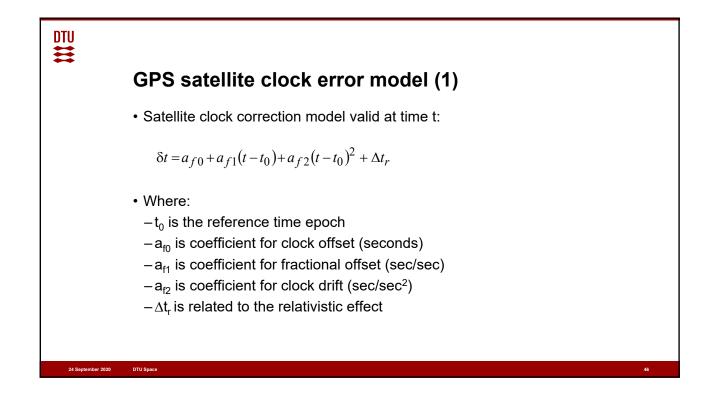


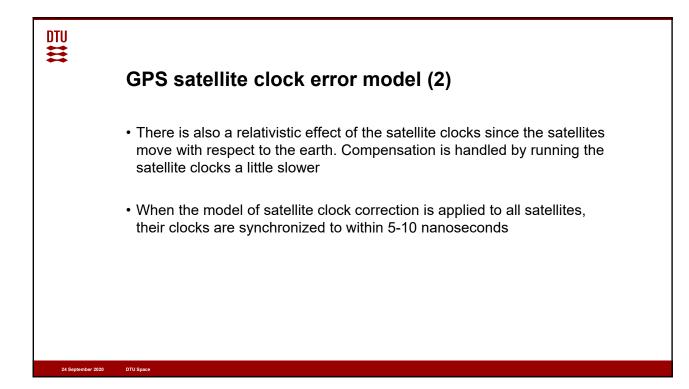


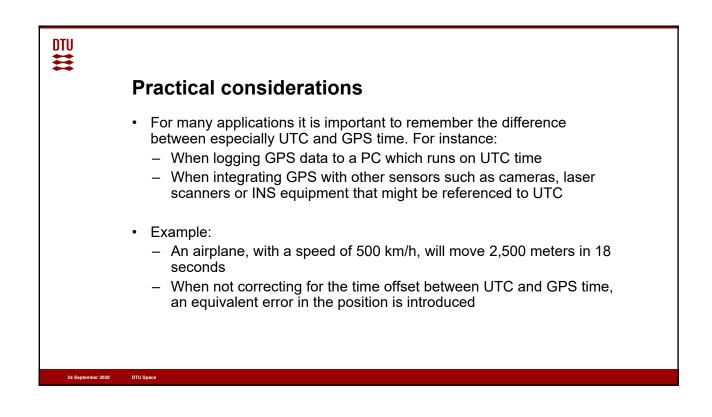


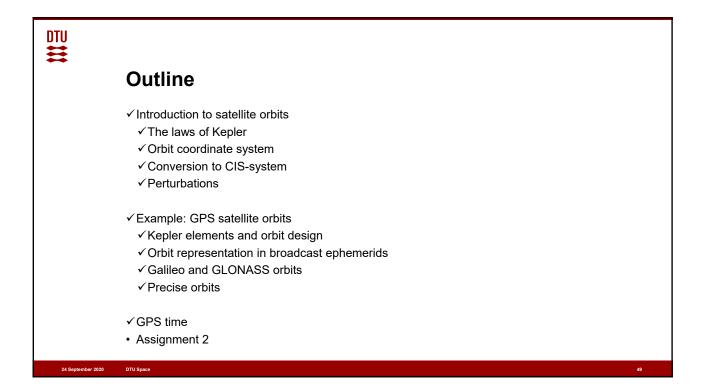


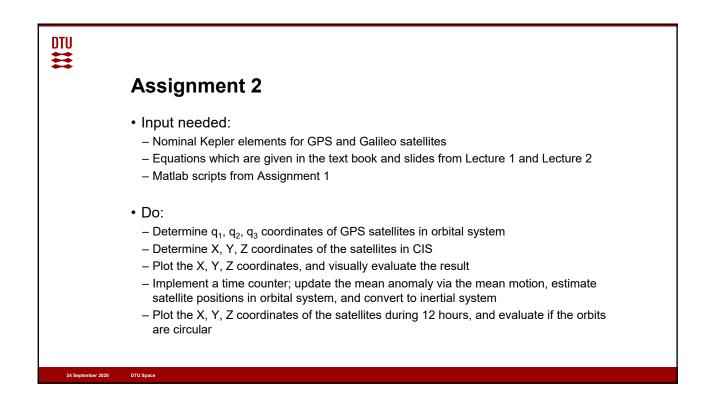


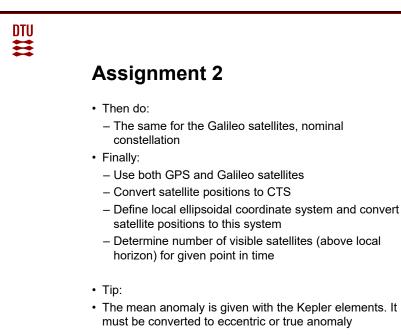












24 September 2020

