

Moons of the Planets

Cosmic Octave Tuning Data

www.planetware.de

Moons of the Planets		Period	Tone			a ¹	cent	Tempo	NASA
		Days	Tone	oct.	a ¹ Hz	cent	bpm		
MARS Link									
Phobos		0,318900	152,23	D#	22	430,56	-37,5	71,4	
Daimos		1,262400	153,82	D#	24	435,07	-19,5	72,1	
JUPITER Link									
Io	J I	1,769138	219,52	A	25	439,04	-3,8	102,9	
Europa	J III	3,551181	218,72	A	26	437,44	-10,1	102,5	
Ganymede	J III	7,155000	217,11	A	27	434,23	-22,9	101,8	
Callisto	J IV	16,689017	186,16	F#	28	442,77	10,9	87,3	
SATURN Link									
Mimas	S I	0,942422	206,04	G#	24	436,59	-13,5	96,6	
Enceladus	S II	1,370218	141,72	C#	24	449,92	38,6	66,4	
Tethys	S III	1,887802	205,72	G#	25	435,91	-16,2	96,4	
Dione	S IV	2,736915	141,90	C#	25	450,50	40,8	66,5	
Rhea	S V	4,517500	171,94	F	26	433,25	-26,8	80,6	
Titan	S VI	15,945421	194,85	G	28	437,41	-10,2	91,3	
Hyperion	S VII	21,276609	146,02	D#	28	437,58	-9,6	68,4	
Iapetus	S VIII	79,330183	156,66	D#	30	443,09	12,1	73,4	
URANUS Link									
Miranda	U V	1,413479	137,38	C#	24	436,15	-15,2	64,4	
Ariel	U I	2,520379	154,09	D#	25	435,83	-16,5	72,2	
Umbriel	U II	4,144176	187,43	F#	26	445,77	22,6	87,9	
Titania	U III	8,705867	178,43	F	27	449,63	35,7	83,6	
Oberon	U IV	13,463234	230,77	A#	28	435,63	-17,3	108,2	
NEPTUNE Link									
Naiad	N III	0,294396	164,90	E	22	440,22	0,9	77,3	
Thalassa	N IV	0,311485	155,85	D#	22	440,81	3,2	73,1	
Despina	N V	0,334655	145,06	D#	22	434,69	-21,0	68,0	
Galatea	N VI	0,428745	226,45	A	23	427,49	-50,0	106,1	
Larissa	N VII	0,554654	175,05	F	23	441,09	4,3	82,1	
Hippocamp	S/2004 N1	0,950000	204,40	G#	24	433,11	-27,3	95,8	
Proteus	N VIII	1,122315	173,02	F	24	435,98	-15,9	81,1	
Triton	N I	5,877000	132,16	C	26	444,54	17,8	62,0	
Nereid	N II	360,136190	138,03	C#	32	438,22	-7,0	64,7	

TRANSNEPTUNE

PLUTO Link

Charon		6,387000	243,22	B	27	433,37	-26,3	114,0	
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Haumea Link

Hi'iaka	H II	49,620000	251,25	B	30	447,69	30,0	117,8	
Namaka	H II	18,278300	169,98	F	28	429,32	-46,6	79,7	

ERIS Link

Dysnomia		15,774000	196,96	G	28	442,17	8,5	92,3	
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Please note:

When the NASA get more detailed informations of a distant space object they may improve The orbit determination. Logically, a slightly altered orital period leads to a slightly altered Audio frequency.

Find the tuning data of the minor planets of the solar system at https://www.planetware.de/download/tuning_data_dwarf_planets.pdf

Planet Moons

Declaration

Hz = Frequency in Hertz (cycle per second)

a' = Corresponding concert pitch A

bpm = beats per minute

Date of last obs. = *Last observation* used in the fit

Commas in German writing = , (instead of .)

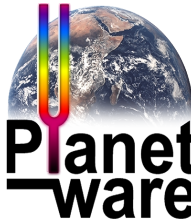
Date in German writing = day.month.year

oct. = Number of octaves from the period

cent = deviation +/-50 cent from 440 Hz



Tuning Forks with the octave frequencies of the planet moons are available from Planetware as custom-made products.



Planetware

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