

submitted to the *Planetary Sciences Class* DD MM 2018

Rocky Planets are the Coolest Things Ever

Me

Georgia State University, Atlanta, GA 30302

me@astro.gsu.edu

ABSTRACT

Planets rock. Even the gas and ice ones.

Subject headings: planets — rocks — planets: rocky — planets: gaseous — planets: icy

1. Introduction

Rocks are important because we can stand on them.

2. Motivation

I had a pet rock when I was a kid and I miss him terribly, so I am writing this in his honor.

3. Rock Colors

Purple rocks double rock.

4. Rock Sizes

Rocks of all sizes make me happy, *in particular the ones that are flat and skip on liquid phase H_2O .*

4.1. Skipping Rocks

Slates

Watch out for sharp edges when you throw them.

Shales

Kind of flaky, but can still be fun.

5. Acknowledgments

I'd like to thank the Academy.

REFERENCES

Rocky, R.R., Shaley, S.S., Slatey, S.S. 2016, AJ, 118, 1086

Fig. 1.— Here we show a gallery of my favorite rocks.

Table 1. Statistics of TINYMO Search (ok this is a real table).

Region	RA	DEC	Objects	< 25 pc	Red Dwarfs ^a	Very Red ^b	Giants' Tail ^c	Flyers ^d	Hit Rate ^e	Notes
1	00 to 02	−00 to −30	239003	762	25	25	25	0	0.011	
2	00 to 02	−30 to −90	351592	1581	61	61	61	0	0.017	SMC
3	02 to 04	−00 to −30	284480	872	16	16	16	0	0.006	
4	02 to 04	−30 to −90	377053	1304	26	26	26	0	0.007	
5	04 to 06	−00 to −30	557434	2960	36	36	36	0	0.006	
6	04 to 06	−30 to −90	577004	2342	48	48	48	3	0.008	LMC
7	06 to 08	−00 to −30	384604	2540	12	12	12	0	0.003	b>10
8	06 to 08	−30 to −60	687771	4358	30	30	30	11	0.004	b>10
9	06 to 08	−60 to −90	256859	1716	15	15	15	0	0.006	b>10
10	20 to 22	−00 to −30	832548	4682	46	46	46	0	0.006	b>10 d>20 INDEX(0)
11	20 to 22	−30 to −60	529261	2588	36	36	36	1	0.007	b>10 d>20 INDEX(0)
12	20 to 22	−60 to −90	200157	1278	27	27	27	1	0.013	b>10
13	22 to 24	−00 to −30	349911	1458	29	29	29	0	0.008	b>10
14	22 to 24	−30 to −90	436645	1885	42	42	42	0	0.010	b>10
TOTALS	12 hours	90 degrees	6064322	30326	449	449	449	16	???	

^apotentially nearby objects that fall in three observing boxes

^bnotable objects that do not fall in three observing boxes

^cNearby/#Objects