Beyond the Cosmos: What Recent Discoveries Reveal about God

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Reasons to Believe (www.reasons.org)

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Test all things; hold fast to what is good.

- 1 Thessolonians 5:21

- 1. galaxy size
- 2. galaxy type
- 3. galaxy location
 .1
- 4. star distance from galaxy center .2
- 5. star distance from spiral arms
 .1

6.	proximity	to	supernova	event	.01
•	PT CATHILLY		Dapatiova	CACTIC	• • •

- 7. timing of the supernova event .01
- 8. number of stars .2
- 9. star birth date .2
- 10. star age .4
- 11. star mass .001

12. star luminosity vs. speciation	.0001
13. star color	.4
14. supernovae rates & locations	.01
15. White dwarf binary types, rates	
& locations	.01

16. planetary distance from star	.001
17. inclination of planetary orbit	.8
18. axis tilt	.3
19. rotation period	.1
20. change in rotation period	.05

21. orbit eccentricity

22. surface gravity (escape velocity)	.001
23. tidal force	.1
24. magnetic field	.01
25. albedo	.1
26. density	.1
27. thickness of crust	.01

28. oceans-to-continents ratio	.2
29. change in oceans-to-cont. ratio	.1
30. global distance of continents	.3
31. asteroid & comet collision rates	.1
32. change in a. & c. collision rates	.1
33. body mass colliding with Earth	.002
34. timing of body's collision	.05

35. position & mass of Jupiter	.01
36. major planet eccentricities	.1
37. major planet orbital stabilities	.1
38. drift in major planet distances	.1
39. soil mineralization	.1

40. atmospheric transparency	.01
41. atmospheric pressure	.1
42. atm. electric discharge rate	.1
43. atm. temperature gradient	.01
44. carbon dioxide level in atm.	.01
45. oxygen quantity in atm.	.01

46. ozone quantity and location	.01
47. water vapor level in atmosphere	.01
48. oxygen to nitrogen ratio in atm.	.1
49. quantity of greenhouse gases	.01

- 50. tectonic activity .1
- 51. rate of decline in tectonics .1
- 52. volcanic activity .1
- 53. rate of decline in vulcanism .1

What all this means...

dependency factors:

10,000,000,000.

longevity requirements:

.0001

Probability for all 53 parameters:

less than 1 in 10^{68} .

- Maximum number of planets in universe:
 10²².
- Less than 1 in ten billion trillion trillion trillion chance for one such planet to exist anywhere in the cosmos!

"A superintellect has monkeyed with physics, as well as with chemistry and biology."

- Sir Fred Hoyle, The Universe

"It seems as though somebody has fine-tuned nature's numbers to make the Universe."

- Paul Davies, The Cosmic Blueprint

"As we survey all the evidence, the thought insistently arises that some supernatural agency — or rather Agency — must be involved."

- Georges Greenstein, The Symbiotic
Universe

"The impression of design is overwhelming."

- Paul Davies, The Cosmic Blueprint