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Regional division of Mars:

- Northern Lowlands:
- Dichotomy boundary:
- Southern Highlands:

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Northern Lowlands:

- What is the cause of the lowlands?
- How is the lowlands formed?
- How is the lowlands related to the dichotomy boundary?
- How is the lowlands related to the southern highlands?

3

Southern Highlands

- How is the highlands formed?
- How is the highlands related to the dichotomy boundary?
- How is the highlands related to the northern lowlands?
- How is the highlands related to the crustal dichotomy?

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Both Earth and Mars have:

- Crustal dichotomy
- Crustal dichotomy boundary
- Crustal dichotomy boundary
- Crustal dichotomy boundary
- Crustal dichotomy boundary

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Dichotomy Boundary

- Crustal dichotomy boundary
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- Crustal dichotomy boundary
- Crustal dichotomy boundary
- Crustal dichotomy boundary

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Early evolution of Mars: What do we think?

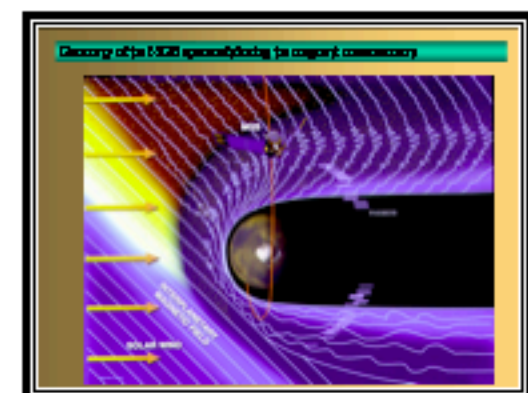
- Accretion
- Initial thermal state
- Crustal dichotomy
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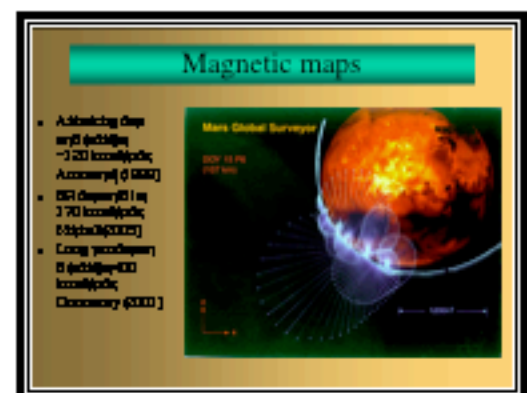
Mystery of Martian Remnant Magnetism

- Why is the remnant magnetism so weak?
- Why is the remnant magnetism so weak?
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- Why is the remnant magnetism so weak?
- Why is the remnant magnetism so weak?

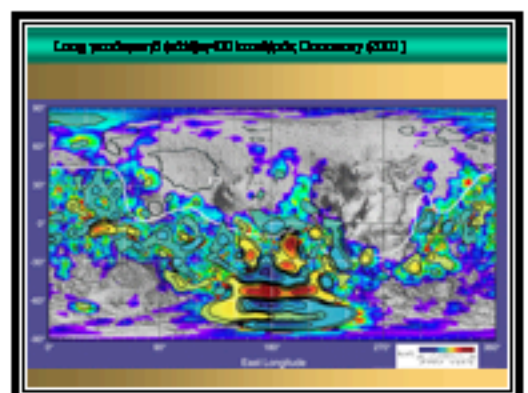
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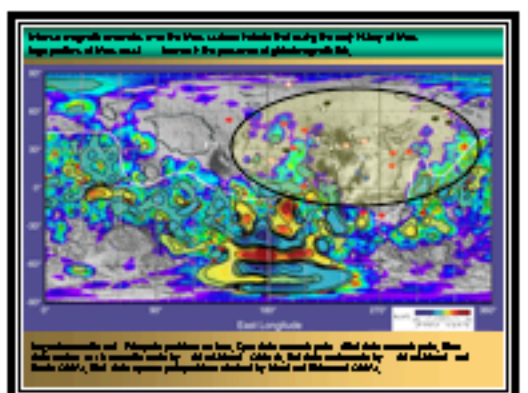
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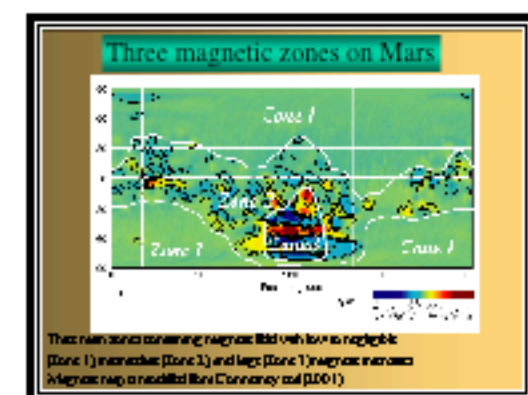


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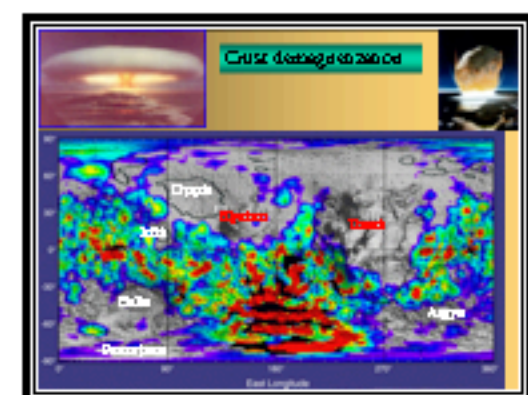
Magnetic anomalies: what is the significance?

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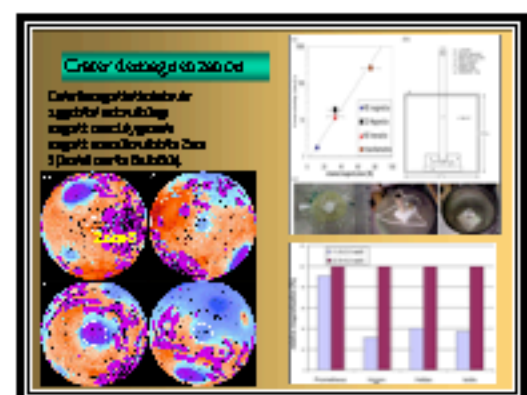
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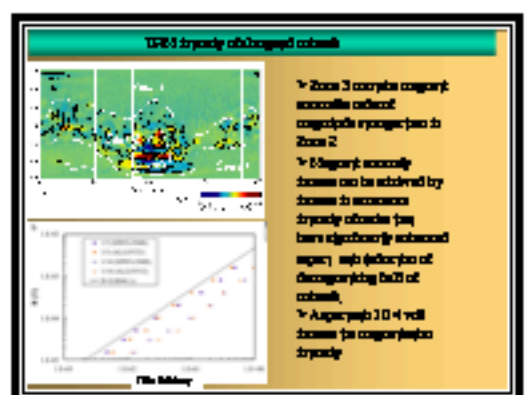
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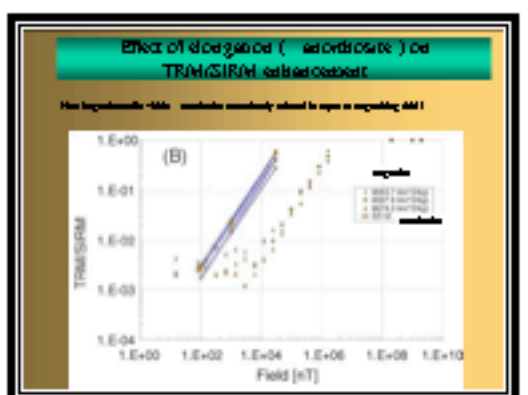
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Assumptions of the model

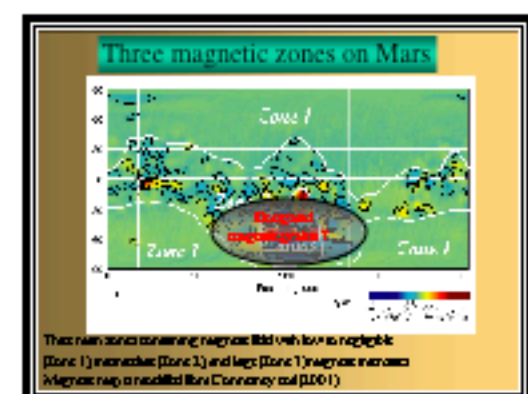
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Implication of the model:

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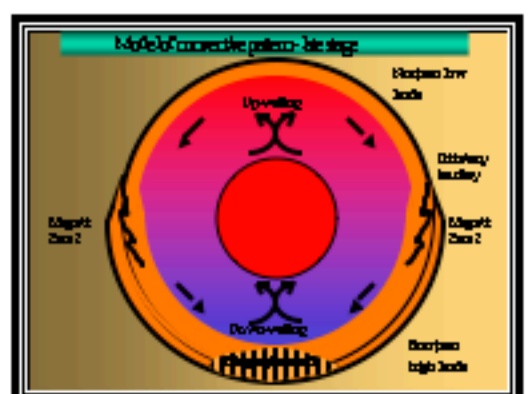


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Compositional zoning

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Mars model

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Conclusions

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