**Annual Graduate Student Evaluation and Checklist**

Department of Earth and Planetary Sciences

University of Tennessee - Knoxville

**THIS FORM IS DUE ON OR BEFORE AUGUST 31st**

Do the following:

1. Complete this form electronically leaving sections 2 and 3 blank. Do not sign section 1. Send the completed form to your advisor for review.
2. Meet with your advisor and have him/her complete the form electronically, print it, and sign it.
3. Sign section 1 of the printed copy to acknowledge receipt and that you have had an opportunity to discuss the evaluation with your advisor, ask questions, and respond.
4. Obtain the signature of the Director of Graduate Studies (DGS), Dr. Edmund Perfect (EPS 210).
5. Scan the signed hard copy and turn in the original to Melody Branch (EPS 306A).
6. Keep a copy of the scanned form for your records and e-mail copies to your advisor and the DGS (eperfect@utk.edu). The e-mails should have the subject line: ***Annual Evaluation (Name, Year)***

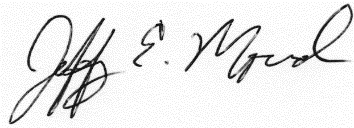
Fill the form out completely to the best of your ability for each question. *Referring to an attached CV as an answer is unacceptable*. If a category is not applicable, please type ‘NA’. Use whatever space is needed to complete this form. Note: only students who have completed at least one semester of coursework are required to complete this form.

**1. Student information and signatures**

**Name of Student \_\_\_Michael Phillips\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ E-mail: mphill58@vols.utk.edu\_\_\_\_**

**Signature of Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date Signed \_\_\_\_\_\_\_**

**Name of Advisor(s): \_\_\_\_\_Jeff Moersch\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**



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| **Signature of Advisor(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date Signed \_\_\_30 Aug 18\_\_\_\_\_\_\_** |

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Signature of DGS: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date Signed \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**2. Advisor Evaluation**

Initial the appropriate line:

**\_\_\_\_X\_\_\_\_Student is making Satisfactory/Adequate Progress**

**\_\_\_\_\_\_\_\_\_Student is Not Making Adequate Progress**

**3. Advisor Comments**

Include strengths, weaknesses, suggestions for improvement etc.

Michael is making good progress in his degree program and covered some major milestones in the past year, including successfully defending his dissertation proposal and passing his written and oral qualifying exams. The members of his committee all made very positive comments about his performance on the qualifiers. On his own initiative, and with encouragement from me, Michael submitted a proposal to NASA’s Mars Data Analysis program this year that would cover 2/3 of his planned dissertation. This is a regular funding program for professional scientists, not a program just for grad students. Given that he conceived of the project and the fact that he is an excellent writer, I took the unusual step (unprecedented for me, actually) of listing Michael as the Science PI on the proposal, with me serving as administrative PI. Unfortunately, the proposal was not selected for funding, but the review comments were generally quite positive with no fatal flaws, so he is trying again this year. That earns him points for perseverance in my opinion, given that even great proposals don’t always get selected on the first try.

In the coming year, it will be important for Michael to start submitting journal manuscripts, as this will be his fourth year in the Ph.D. program (though, to be fair, he did not enter with an M.S. degree). I believe the primary reason Michael hasn’t submitted any journal manuscripts so far is because he has been pursuing all of his chapters’ research projects in parallel, rather than in serial. His Chapter 1 project is within reach of a completed manuscript by the end of the coming year (or sooner!), and he also has a nice draft manuscript completed on a side project that originated as a term project in a class on Mercury he took from Josh Emery two years ago, so I think he is well-positioned to start publishing in the near term.

**4. Student Response**

Optional

**5. Cumulative Record**

**Check degree program: M.Sc. \_\_\_\_\_\_\_ Ph.D. \_\_X\_\_**

**Date of enrollment in program** (semester/year): **Fall/2015\_**

**Note any approved leave:**

**Thesis/Dissertation Committee (**to be formed in the first year with meetings at least annually**)**

Committee members (3 minimum for M.Sc., 4 minimum for Ph.D.):

1. Name Ania Szynkiewicz\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dept./Affiliation EPS - UTK\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Name Josh Emery\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dept./Affiliation EPS - UTK \_\_\_\_\_\_\_\_\_\_\_\_\_

3. Name Liem Tran\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dept./Affiliation Geography - UTK \_\_\_\_\_\_

4. Name Hap McSween\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dept./Affiliation EPS - UTK \_\_\_\_\_\_\_\_\_\_\_\_

5. Name Christina Viviano\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Dept./Affiliation JHU/APL\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Note: Ph.D. students must have at least one committee member from another UTK department*

Dates of annual committee meetings (month/year)

List from earliest to most recent:

1. May/2016

2. May/2017

3. May/2018

4.

**Assistantships received**

List by Academic Year, Type (GTA, GRA), Source (Department, other/specify)

**2015, GTA, EPS; 2016 GRA Jeff Moersch; 2017 GRA Jeff Moersch; 2018 GRA Jeff Moersch**

**Outline your schedule for the following Actual Planned** Provide actual or planned dates (semester/year):

* Completion of required coursework SP/2018
* Committee acceptance of thesis/dissertation proposal

(2*nd semester for M.Sc. students, 3rd or 4th semester for Ph.D. students*) SP/2018

* Completion of preliminary candidacy exams for Ph.D. students

(*3rd semester for students with an M.Sc. degree; otherwise 4th semester*) Sumr/2018

* Completion of Mandatory Reporter Training

([*https://cas.tennessee.edu/cas/login?TARGET=https%3A%2F%2Fcas.tennessee.edu%2Feverfi%2Futk%2F%3Fc\_id%3D21*](https://cas.tennessee.edu/cas/login?TARGET=https%3A%2F%2Fcas.tennessee.edu%2Feverfi%2Futk%2F%3Fc_id%3D21)*; go to “Add a Course” on the top right, then select “Training” from the drop-down*) Fall/2018

* Completion of all relevant safety training (chemical, bio., radiation etc.) Fall/2018
* Completion of primary data collection Fall/2019
* Completion of data analysis SP/2020

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| **Date of submission of Admission to Candidacy form**  (after completion of coursework for M.Sc. students; after Preliminary Exam has been passed and at least 1 paper has been published for Ph.D. students)  **Date of defense scheduled through Graduate School**  **Date of acceptance of thesis or dissertation proposal** |

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| **Publications** (published, in press, accepted, or submitted; list in order from most recent, including all published in the past year) |

**Oral and poster presentations at professional meetings and other forums**

(list in order from most recent)

**Poster: First Billion Years: Differentiation 2018** – Feldspathic rock in ancient crust, north Hellas, Mars: Implications for early mantle conditions.

**Poster: LPSC 2018** – Thresholds of detection and identification of halite nodules habitats in the Atacama Desert using remote imaging.

**Poster: LPSC 2017** – Thresholds of detectability for habitable environments in the Atacama Desert with implications for Mars exploration

**Poster: AbSciCon 2017** – Thresholds of detectability for habitable environments in the Altiplano of Chile with implications for Mars exploration

**Talk: AGU 2016** – Composition and distribution of northern Hellas massifs: Preliminary results

**Poster: LPSC 2016** – Global Hollow Distribution on Mercury

**Poster: LPSC 2016** – Howardite Petrographic Characterization

**Academic Awards**

2015-2018 – chancellor’s fellowship

2017 - Planetary Geoscience Institute’s Outstanding Poster Presentation at LPSC

2015/2016 - Virginia and James Bibee Award

2016 - Planetary Geoscience Institute’s Outstanding Poster Presentation at LPSC

**6. Coursework:** Attach a photocopy/pdf of your graduate transcript (mandatory)

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| **Indicate which courses you are currently taking, and any planned for next semester**  (provide course number, course title, semester/year) |

GEOL 500 Fall/2018

GEOL 600 Fall/2018 and SP/2019

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| **List all of the 600-level seminar courses you have taken, or are currently taking**  (provide course number, course title, semester/year)  GEOL 680 – Seminar: Planetary Science (Europa) Fall 2017  GEOL 680 – Seminar: Planetary Science (Europa) Fall 2017  GEOL 660 – Geochemistry and Microbiology Fall 2016  GEOL 630 – Seminar: Petrology (The Moon) SP 2016  GEOL 680 – Seminar: Planetary Science (Mercury) Fall 2015 |

**Have you taken GEOL 596?** (should be taken in your 2nd or 3rd semester; respond with a “yes” or “no” and provide semester/year when taken or planned)

Yes. Fall 2017

**Have you met the committee-approved “field experience” requirement?**

(if yes, provide details; if no indicate how and when this requirement will be met)

Yes: Summer 2016, Iceland Volcanology Field Camp through South Dakota School of Mines & Technology

**7. Activities over the past year**

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| **Teaching** (list all lab sections taught and/or guest lectures given) |

Fall 2015 - GEOL101: LEC – 007, 015 and 019

Spring 2016 – GEOL 101: LL – 008, 013

**Student evaluations** (attach a photocopy/pdf of the SAIS evaluations for labs that you taught)

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| **Research** (list major accomplishments, data collection activity etc.)  Conference presentations as described above  Worked at APL summer 2016 and 2017 doing data collection and analysis  Field work in Oct. 2016, Nov. 2017, and scheduled for Oct. 2018 in Atacama Desert, Chile  Passed qualifying exams Summer 2018 |

**Grant applications, proposals submitted, funding received**

(list the agency, award type, date, duration, amount, status)

LPI, Shoemaker Impact Cratering Award, Fall 2016, $2500 one-time award, denied

NASA, NESSF, Sp 2017, $45,000/yr for three years, denied

NASA, MDAP, Fall 2017, budget TBD, submitted, denied

NASA, MDAP, Fall 2018, total projected budget $283,357, step 1 submitted

**Other employment, student activities/representation, etc.**

Geoclub secretary, 2016/2017

GSS representative, 2018/2019

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| **If you received a ‘Student is Not Making Adequate Progress’ in your last review, indicate specifically what you have done to address the issues of concern** |
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**8. Planned activities for the next academic year (including summer)**

Describe your plans for teaching, research, publishing, funding, meetings/presentations, including any relevant dates/deadlines

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| **This year I plan to:** |

* **Submit an MDAP proposal to fund the rest of my dissertation**
* **Collect data relevant to my work studying feldspathic deposits north of Hellas**
* **Do field work in the Atacama (and collect data while there) relevant to my project with NAI**
* **Submit Mars-related work to LPSC in Dec. and a relevant conference in Spring**
* **Complete a first draft of a paper for the first chapter of my dissertation**