



4455 Genesee Street • Buffalo, New York • 14225 • [www.calspan.com](http://www.calspan.com)

May 15, 2015

Edward Kasprzak, Ph.D.  
The FSAE Tire Test Consortium (FSAE TTC)  
<http://www.millikenresearch.com/fsaettc.html>  
Cell: 716.471.1742  
Email: [edward.m.kasprzak@gmail.com](mailto:edward.m.kasprzak@gmail.com)

Re: Calspan Contract Number: CT0297.0000.1654  
Test Data: (Tests 1-65)  
TIRF Project Number: 1654

FSAE TTC Members,

This cover letter references the testing conducted at the Calspan Tire Research Facility (TIRF). The TIRF project number was 1654. All data and material will reference the 1654 number. All testing was conducted in May of 2015. Testing was witnessed by Dr. Edward Kasprzak, FSAE TTC contact for TIRF. As of this time 5 tire types were tested for a total of approximately 3 test days. Specific details of the tires and tests are available in the 1654 Summary Table excel file listed below.

The following are included on the file transfer site:

- Cover Letter
- 1654 Summary Table Excel: contains test schedule, tire information, spring rate and cornering stiffness values
- Cornering Folder:
  - ASCII files
  - "A" Files - English units
  - "B" Files - SI units
  - "C" Files - SI units, TIRF "SA'd" data ready for Pacejka fitting
- Braking Folder
  - ASCII files
  - "A" Files - English units
  - "B" Files - SI units
  - "C" Files - SI units, TIRF "SL" data ready for Pacejka fitting
- Test Video Files
- TIRF Reference documents: describes TIRF machine, history, data acronyms and mathematical definitions. Also description of TIRF "SA" procedure.





4455 Genesee Street • Buffalo, New York • 14225 • [www.calspan.com](http://www.calspan.com)

**As stated on the MRA/FSAE-TTC web-page:**

## **USE OF THE DATA**

FSAE teams are free to use this data in the design and construction of their FSAE entries, other school projects and related activities. **Any publication or presentation of the tire data must acknowledge Calspan and the FSAE TTC.**

Please see the FSAE-TTC web-page for more FSAE-TTC requirements.

Follow up questions may be directed to Edward Kasprzak Ph.D. If the question cannot be answered by Dr. Kasprzak they may be forwarded to me at the contact info below.

Calspan would welcome the opportunity to work with all of you in the future through the FSAE-TTC or in future professional assignments. Calspan would like to thank Dr. Edward Kasprzak, Mr. Douglas Milliken and Dr. Bob Woods for all their efforts to make this project possible and efficient.

Sincerely,

Matthew Strang | Mechanical Engineer  
**Calspan Corporation** | Transportation  
4455 Genesee St  
Buffalo, NY 14225  
716.631.6838 (phone)  
[matthew.strang@calspan.com](mailto:matthew.strang@calspan.com)

