

## Mai Vang

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**From:** Richard Rowland  
**Sent:** Tuesday, November 21, 2023 4:13 PM  
**To:** Mai Vang; Derek Olson  
**Cc:** Joseph Tronson  
**Subject:** RE: 703 Case Ave E  
**Attachments:** Hearing Officer - Meter Test Data.xlsx

Good Afternoon Mai,

We did touch based with the manufacturer to see if they had any metrics as it concerns testing data where an accuracy of a meter could be determined with over and under reading. Unfortunately, this was not applicable as there was no data that could correlate to the incident as the manufactures responsibility/data ends with the manufacturing process, and not where the meter has been deployed years and years in a customers distribution system. We do have our own test data that I am sharing that is more of an accurate representation of performance. I believe this is a better representation due to the age of the meters that are being tested as its more of an accurate representation of our assets in addition to it being subjected to conditions unique to our system.

Enclosed is meter test data demonstrating accuracy of our meters. This data is the result of our QA/QC process where meters are removed from the field and tested at our shop to ensure accuracy. Please let me know if you have any questions or concerns.

### **Background:**

Acceptable range for meter accuracy as defined by the AWWA is between the range of 98.5%-101.5%.

Sample Size: 942 tests performed for a residential meter (performed in the last couple of years)

Valid Tests: 934 valid tests. 8 test results removed due to data entry error by technician.

Number of over reads: (>101.5%) 22. **Percentage of meters over reading based on sample size: 2.3%. Maximum valid over read was 105.2%.**

Number of under reads: (<98.5%) 234. **Percentage of meters under reading based on sample size: 25%.**

### **Results:**

The maximum over read of a residential meter related to our QA/QC testing process was 105.2% The consumption that was documented at 703 Case Ave far exceeded the additional 5% that was measured for our high over read. If I remember correctly, Derick stated the consumption was about 500% higher than their normal consumption. Based on the data, the possibility of the meter failing causing an increase of consumption that was documented at 703 Case Ave far exceeds what is possible based on our evaluation of the data.

Please let me know if you have any additional questions.

Thank you

Rich



Richard Rowland  
*Distribution Division*  
*Assistant Manager*

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**From:** Mai Vang <mai.vang@ci.stpaul.mn.us>  
**Sent:** Tuesday, November 21, 2023 1:33 PM  
**To:** Derek Olson <derek.olson@ci.stpaul.mn.us>  
**Cc:** Richard Rowland <richard.rowland@ci.stpaul.mn.us>  
**Subject:** 703 Case Ave E

Hi Derek,

Following up on the above hearing heard on 11/7, Marcia is looking for the manufacture testing results before she sends out her recommendation.

*Mai Vang*

(She, her)

*Legislative Hearing Coordinator* | St Paul City Council

M: (651) 266-8585 ; D: (651) 266-8563

310 City Hall, 15 W. Kellogg Blvd, St Paul, MN 55102



# 701 Case Ave.Meter Data 11-27-23

| Serial Number | Manufacturer    | Model    | Accuracy    | Meter Pass | Column1            |
|---------------|-----------------|----------|-------------|------------|--------------------|
| 91175326      | Neptune/Trident | E.I.     | 173248.7161 | FALSE      | Data Entry Mistake |
| 92237236      | Neptune/Trident | T-10     | 10016.6006  | FALSE      | Data Entry Mistake |
| 90989470      | Neptune/Trident | T-10     | 4563.1694   | FALSE      | Data Entry Mistake |
| 89549504      | Neptune/Trident | E.I.     | 105.2       | FALSE      | Valid              |
| 91175283      | Neptune/Trident | E.I.     | 103.0907    | FALSE      | Valid              |
| 91887767      | Neptune/Trident | T-10     | 102.6078    | FALSE      | Valid              |
| 91175275      | Neptune/Trident | E.I.     | 102.5922    | FALSE      | Valid              |
| 91175261      | Neptune/Trident | E.I.     | 102.4925    | FALSE      | Valid              |
| 91234050      | Neptune/Trident | E.I.     | 102.4       | FALSE      | Valid              |
| 91175270      | Neptune/Trident | E.I.     | 102.1934    | FALSE      | Valid              |
| 91175328      | Neptune/Trident | T10 E.I. | 102.1       | FALSE      | Valid              |
| 91175328      | Neptune/Trident | E.I.     | 102         | FALSE      | Valid              |
| 91175279      | Neptune/Trident | E.I.     | 102         | FALSE      | Valid              |
| 91175284      | Neptune/Trident | E.I.     | 102         | FALSE      | Valid              |
| 92123966      | Neptune/Trident | E.I.     | 102         | FALSE      | Valid              |
| 91175328      | Neptune/Trident | T10 E.I. | 101.8126    | FALSE      | Valid              |
| 91887762      | Neptune/Trident | T-10     | 101.7051    | FALSE      | Valid              |
| 91887750      | Neptune/Trident | T-10     | 101.7051    | FALSE      | Valid              |
| 91887744      | Neptune/Trident | T-10     | 101.7051    | FALSE      | Valid              |
| 91175283      | Neptune/Trident | E.I.     | 101.6949    | FALSE      | Valid              |
| 91887746      | Neptune/Trident | T-10     | 101.6048    | FALSE      | Valid              |
| 92237141      | Neptune/Trident | T10 E.I. | 101.6       | FALSE      | Valid              |
| 91175253      | Neptune/Trident | E.I.     | 101.5952    | FALSE      | Valid              |
| 89549514      | Neptune/Trident | E.I.     | 101.5952    | FALSE      | Valid              |
| 91887771      | Neptune/Trident | T-10     | 101.5045    | FALSE      | Valid              |
| 91505905      | Neptune/Trident | E.I.     | 101.5045    | FALSE      | Valid              |
| 92137226      | Neptune/Trident | T10 E.I. | 101.5       | FALSE      | Valid              |
| 91887764      | Neptune/Trident | T-10     | 101.4042    | TRUE       | Valid              |
| 92237515      | Neptune/Trident | T10 E.I. | 101.4       | TRUE       | Valid              |
| 91103796      | Neptune/Trident | T10 E.I. | 101.4       | TRUE       | Valid              |
| 90715992      | Neptune/Trident | T10 E.I. | 101.4       | TRUE       | Valid              |
| 90381096      | Neptune/Trident | E.I.     | 101.4       | TRUE       | Valid              |
| 89549424      | Neptune/Trident | T10 E.I. | 101.3958    | TRUE       | Valid              |
| 92390875      | Neptune/Trident | T10 E.I. | 101.3958    | TRUE       | Valid              |
| 91175295      | Neptune/Trident | E.I.     | 101.3958    | TRUE       | Valid              |
| 92237420      | Neptune/Trident | T-10     | 101.3958    | TRUE       | Valid              |
| 91770950      | Neptune/Trident | E.I.     | 101.3958    | TRUE       | Valid              |
| 89549641      | Neptune/Trident | E.I.     | 101.3958    | TRUE       | Valid              |
| 91175332      | Neptune/Trident | E.I.     | 101.3091    | TRUE       | Valid              |
| 92237515      | Neptune/Trident | E.I.     | 101.3039    | TRUE       | Valid              |
| 91175310      | Neptune/Trident | E.I.     | 101.3039    | TRUE       | Valid              |
| 91175308      | Neptune/Trident | E.I.     | 101.3039    | TRUE       | Valid              |
| 92525184      | Neptune/Trident | T-10     | 101.3039    | TRUE       | Valid              |
| 91887770      | Neptune/Trident | T-10     | 101.3039    | TRUE       | Valid              |
| 91887768      | Neptune/Trident | T-10     | 101.3039    | TRUE       | Valid              |
| 91887766      | Neptune/Trident | T-10     | 101.3039    | TRUE       | Valid              |
| 91887765      | Neptune/Trident | T-10     | 101.3039    | TRUE       | Valid              |
| 89549457      | Neptune/Trident | E.I.     | 101.3       | TRUE       | Valid              |
| 90989270      | Neptune/Trident | E.I.     | 101.3       | FALSE      | Valid              |
| 90181660      | Neptune/Trident | T10 E.I. | 101.2961    | TRUE       | Valid              |
| 92390985      | Neptune/Trident | T10 E.I. | 101.2961    | TRUE       | Valid              |
| 92237409      | Neptune/Trident | T-10     | 101.2961    | TRUE       | Valid              |
| 89549462      | Neptune/Trident | T-10     | 101.2922    | TRUE       | Valid              |
| 91175329      | Neptune/Trident | E.I.     | 101.2084    | TRUE       | Valid              |
| 91175327      | Neptune/Trident | E.I.     | 101.2084    | TRUE       | Valid              |
| 91887763      | Neptune/Trident | T-10     | 101.2036    | TRUE       | Valid              |
| 91887762      | Neptune/Trident | T-10     | 101.2       | FALSE      | Valid              |
| 92237141      | Neptune/Trident | T10 E.I. | 101.2       | TRUE       | Valid              |
| 90105437      | Neptune/Trident | T10 E.I. | 101.1964    | TRUE       | Valid              |
| 92524992      | Neptune/Trident | T-10     | 101.1928    | TRUE       | Valid              |
| 90181630      | Neptune/Trident | T10 E.I. | 101.1077    | TRUE       | Valid              |
| 91175330      | Neptune/Trident | E.I.     | 101.1077    | TRUE       | Valid              |
| 91175325      | Neptune/Trident | E.I.     | 101.1077    | TRUE       | Valid              |
| 92136953      | Neptune/Trident | T10 E.I. | 101.1       | TRUE       | Valid              |
| 89549427      | Neptune/Trident | E.I.     | 101.1       | TRUE       | Valid              |
| 90272720      | Neptune/Trident | T10 E.I. | 101.1       | TRUE       | Valid              |
| 89549444      | Neptune/Trident | T10 E.I. | 101.0967    | TRUE       | Valid              |
| 91175305      | Neptune/Trident | E.I.     | 101.0967    | TRUE       | Valid              |
| 89549548      | Neptune/Trident | T-10     | 101.0967    | TRUE       | Valid              |
| 89549454      | Neptune/Trident | T-10     | 101.0967    | TRUE       | Valid              |
| 90989524      | Neptune/Trident | T-10     | 101.0967    | TRUE       | Valid              |
| 90272852      | Neptune/Trident | T-10     | 101.0967    | TRUE       | Valid              |
| 90989270      | Neptune/Trident | E.I.     | 101.0967    | TRUE       | Valid              |

98.5-101.5 - ACCEPTABLE RANGE AS REQUIRED BY AWWA

|          |                 |          |          |      |       |
|----------|-----------------|----------|----------|------|-------|
| 91103955 | Neptune/Trident | T10 E.I. | 101.007  | TRUE | Valid |
| 91175333 | Neptune/Trident | E.I.     | 101.007  | TRUE | Valid |
| 91174586 | Neptune/Trident | T-10     | 101.003  | TRUE | Valid |
| 90622095 | Neptune/Trident | T-10     | 101.003  | TRUE | Valid |
| 91887749 | Neptune/Trident | T-10     | 101.003  | TRUE | Valid |
| 91887743 | Neptune/Trident | T-10     | 101.003  | TRUE | Valid |
| 91887765 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91834381 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91833950 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 90715992 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 90380998 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175311 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175305 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175304 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175294 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175329 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175317 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175316 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175290 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175275 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 90181660 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 91175332 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549458 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549452 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549461 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549456 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 90485599 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549499 | Neptune/Trident | T10 E.I. | 101      | TRUE | Valid |
| 92137612 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549569 | Neptune/Trident | E.I.     | 101      | TRUE | Valid |
| 89549418 | Neptune/Trident | T-10     | 100.997  | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 100.997  | TRUE | Valid |
| 91505905 | Neptune/Trident | E.I.     | 100.997  | TRUE | Valid |
| 92525113 | Neptune/Trident | T-10     | 100.997  | TRUE | Valid |
| 92655998 | Neptune/Trident | E.I.     | 100.997  | TRUE | Valid |
| 92136816 | Neptune/Trident | E.I.     | 100.997  | TRUE | Valid |
| 90621900 | Neptune/Trident | E.I.     | 100.997  | TRUE | Valid |
| 91258761 | Neptune/Trident | T10 E.I. | 100.9063 | TRUE | Valid |
| 90105085 | Neptune/Trident | T10 E.I. | 100.9063 | TRUE | Valid |
| 91175331 | Neptune/Trident | E.I.     | 100.9063 | TRUE | Valid |
| 90869990 | Neptune/Trident | T-10     | 100.9    | TRUE | Valid |
| 90621900 | Neptune/Trident | E.I.     | 100.9    | TRUE | Valid |
| 89549424 | Neptune/Trident | E.I.     | 100.9    | TRUE | Valid |
| 89549458 | Neptune/Trident | E.I.     | 100.9    | TRUE | Valid |
| 89549426 | Neptune/Trident | E.I.     | 100.9    | TRUE | Valid |
| 92137226 | Neptune/Trident | T10 E.I. | 100.9    | TRUE | Valid |
| 90381104 | Neptune/Trident | T10 E.I. | 100.9    | TRUE | Valid |
| 90020340 | Neptune/Trident | T10 E.I. | 100.9    | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 100.8973 | TRUE | Valid |
| 90272522 | Neptune/Trident | T-10     | 100.8973 | TRUE | Valid |
| 90622047 | Neptune/Trident | T-10     | 100.8973 | TRUE | Valid |
| 89549500 | Neptune/Trident | E.I.     | 100.8973 | TRUE | Valid |
| 89338856 | Neptune/Trident | E.I.     | 100.8973 | TRUE | Valid |
| 90869990 | Neptune/Trident | T-10     | 100.8946 | TRUE | Valid |
| 90485599 | Neptune/Trident | E.I.     | 100.8946 | TRUE | Valid |
| 90989270 | Neptune/Trident | E.I.     | 100.8239 | TRUE | Valid |
| 91907578 | Neptune/Trident | T10 E.I. | 100.8056 | TRUE | Valid |
| 90989628 | Neptune/Trident | T10 E.I. | 100.8056 | TRUE | Valid |
| 91175328 | Neptune/Trident | E.I.     | 100.8056 | TRUE | Valid |
| 91175324 | Neptune/Trident | E.I.     | 100.8056 | TRUE | Valid |
| 91770950 | Neptune/Trident | E.I.     | 100.8041 | TRUE | Valid |
| 92237441 | Neptune/Trident | T-10     | 100.8024 | TRUE | Valid |
| 91771137 | Neptune/Trident | T-10     | 100.8024 | TRUE | Valid |
| 91103715 | Neptune/Trident | T-10     | 100.8024 | TRUE | Valid |
| 91887742 | Neptune/Trident | T-10     | 100.8024 | TRUE | Valid |
| 91175330 | Neptune/Trident | E.I.     | 100.8    | TRUE | Valid |
| 91887742 | Neptune/Trident | T-10     | 100.8    | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 100.8    | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 100.8    | TRUE | Valid |
| 89549428 | Neptune/Trident | E.I.     | 100.8    | TRUE | Valid |
| 90105399 | Neptune/Trident | T10 E.I. | 100.8    | TRUE | Valid |
| 90380681 | Neptune/Trident | E.I.     | 100.8    | TRUE | Valid |
| 92524854 | Neptune/Trident | T10 E.I. | 100.7976 | TRUE | Valid |

|          |                 |          |          |      |       |
|----------|-----------------|----------|----------|------|-------|
| 92391251 | Neptune/Trident | T10 E.I. | 100.7976 | TRUE | Valid |
| 91771081 | Neptune/Trident | T-10     | 100.7976 | TRUE | Valid |
| 90381096 | Neptune/Trident | T-10     | 100.7976 | TRUE | Valid |
| 92130659 | Neptune/Trident | E.I.     | 100.7976 | TRUE | Valid |
| 90870763 | Neptune/Trident | E.I.     | 100.7976 | TRUE | Valid |
| 90989470 | Neptune/Trident | T-10     | 100.7976 | TRUE | Valid |
| 89549475 | Neptune/Trident | E.I.     | 100.7976 | TRUE | Valid |
| 90485507 | Neptune/Trident | E.I.     | 100.7952 | TRUE | Valid |
| 90181630 | Neptune/Trident | T10 E.I. | 100.7343 | TRUE | Valid |
| 92524992 | Neptune/Trident | T-10     | 100.7338 | TRUE | Valid |
| 92137612 | Neptune/Trident | E.I.     | 100.7054 | TRUE | Valid |
| 90989603 | Neptune/Trident | T10 E.I. | 100.7049 | TRUE | Valid |
| 90485389 | Neptune/Trident | E.I.     | 100.7021 | TRUE | Valid |
| 90273136 | Neptune/Trident | E.I.     | 100.7021 | TRUE | Valid |
| 89258192 | Neptune/Trident | E.I.     | 100.7021 | TRUE | Valid |
| 92655752 | Neptune/Trident | T10 E.I. | 100.7    | TRUE | Valid |
| 89549460 | Neptune/Trident | E.I.     | 100.7    | TRUE | Valid |
| 89908022 | Neptune/Trident | E.I.     | 100.7    | TRUE | Valid |
| 96989226 | Neptune/Trident | T10 E.I. | 100.7    | TRUE | Valid |
| 91175318 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 91175201 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 89549967 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 89549854 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 91175326 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 91175300 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 91175299 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 91175285 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 90272473 | Neptune/Trident | T10 E.I. | 100.6979 | TRUE | Valid |
| 89549892 | Neptune/Trident | T-10     | 100.6979 | TRUE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 90101657 | Neptune/Trident | T-10     | 100.6979 | TRUE | Valid |
| 92655944 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 92524914 | Neptune/Trident | E.I.     | 100.6979 | TRUE | Valid |
| 92123966 | Neptune/Trident | E.I.     | 100.6958 | TRUE | Valid |
| 90021530 | Neptune/Trident | E.I.     | 100.6958 | TRUE | Valid |
| 92390879 | Neptune/Trident | T10 E.I. | 100.6042 | TRUE | Valid |
| 91834141 | Neptune/Trident | T-10     | 100.6018 | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 100.6    | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 100.6    | TRUE | Valid |
| 89907416 | Neptune/Trident | E.I.     | 100.6    | TRUE | Valid |
| 3622317  | Neptune/Trident | E.I.     | 100.6    | TRUE | Valid |
| 90181585 | Neptune/Trident | T10 E.I. | 100.6    | TRUE | Valid |
| 90503795 | Neptune/Trident | E.I.     | 100.6    | TRUE | Valid |
| 90020181 | Neptune/Trident | E.I.     | 100.6    | TRUE | Valid |
| 89549490 | Neptune/Trident | T10 E.I. | 100.5982 | TRUE | Valid |
| 91175322 | Neptune/Trident | E.I.     | 100.5982 | TRUE | Valid |
| 92137659 | Neptune/Trident | T-10     | 100.5982 | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 100.5982 | TRUE | Valid |
| 91104237 | Neptune/Trident | T-10     | 100.5982 | TRUE | Valid |
| 90622275 | Neptune/Trident | T-10     | 100.5982 | TRUE | Valid |
| 92525040 | Neptune/Trident | E.I.     | 100.5982 | TRUE | Valid |
| 89912472 | Neptune/Trident | E.I.     | 100.5982 | TRUE | Valid |
| 92237502 | Neptune/Trident | T-10     | 100.5964 | TRUE | Valid |
| 92237236 | Neptune/Trident | T-10     | 100.5964 | TRUE | Valid |
| 90516973 | Neptune/Trident | E.I.     | 100.5964 | TRUE | Valid |
| 90105926 | Neptune/Trident | E.I.     | 100.5964 | TRUE | Valid |
| 92525184 | Neptune/Trident | T-10     | 100.5956 | TRUE | Valid |
| 90020161 | Neptune/Trident | T-10     | 100.5015 | TRUE | Valid |
| 92524854 | Neptune/Trident | T10 E.I. | 100.5    | TRUE | Valid |
| 91887743 | Neptune/Trident | T-10     | 100.5    | TRUE | Valid |
| 1335218  | Neptune/Trident | E.I.     | 100.5    | TRUE | Valid |
| 13335219 | Neptune/Trident | E.I.     | 100.5    | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 100.5    | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 100.5    | TRUE | Valid |
| 90381104 | Neptune/Trident | T10 E.I. | 100.5    | TRUE | Valid |
| 90504031 | Neptune/Trident | T10 E.I. | 100.4985 | TRUE | Valid |
| 90182023 | Neptune/Trident | T10 E.I. | 100.4985 | TRUE | Valid |
| 91175288 | Neptune/Trident | E.I.     | 100.4985 | TRUE | Valid |
| 89549459 | Neptune/Trident | E.I.     | 100.4985 | TRUE | Valid |
| 90101795 | Neptune/Trident | E.I.     | 100.4985 | TRUE | Valid |
| 91234050 | Neptune/Trident | E.I.     | 100.497  | TRUE | Valid |
| 89907580 | Neptune/Trident | E.I.     | 100.497  | TRUE | Valid |
| 92525113 | Neptune/Trident | T-10     | 100.4859 | TRUE | Valid |
| 92237409 | Neptune/Trident | T-10     | 100.4859 | TRUE | Valid |

|          |                 |          |          |      |       |
|----------|-----------------|----------|----------|------|-------|
| 91175283 | Neptune/Trident | E.I.     | 100.4763 | TRUE | Valid |
| 91907578 | Neptune/Trident | T10 E.I. | 100.4664 | TRUE | Valid |
| 91771081 | Neptune/Trident | T-10     | 100.4265 | TRUE | Valid |
| 91103715 | Neptune/Trident | T-10     | 100.407  | TRUE | Valid |
| 91175327 | Neptune/Trident | E.I.     | 100.4064 | TRUE | Valid |
| 94533861 | Neptune/Trident | E.I.     | 100.4012 | TRUE | Valid |
| 91834381 | Neptune/Trident | T10 E.I. | 100.4    | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 13335217 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 89549429 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 89549425 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 92387429 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 90358606 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 89550566 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 89549468 | Neptune/Trident | E.I.     | 100.4    | TRUE | Valid |
| 92525428 | Neptune/Trident | E.I.     | 100.3988 | TRUE | Valid |
| 92238230 | Neptune/Trident | E.I.     | 100.3988 | TRUE | Valid |
| 92137883 | Neptune/Trident | T-10     | 100.3988 | TRUE | Valid |
| 92390974 | Neptune/Trident | E.I.     | 100.3988 | TRUE | Valid |
| 89549949 | Neptune/Trident | T-10     | 100.3976 | TRUE | Valid |
| 91175284 | Neptune/Trident | E.I.     | 100.3872 | TRUE | Valid |
| 90869990 | Neptune/Trident | T-10     | 100.3868 | TRUE | Valid |
| 91103955 | Neptune/Trident | T10 E.I. | 100.377  | TRUE | Valid |
| 90380681 | Neptune/Trident | E.I.     | 100.3577 | TRUE | Valid |
| 89912472 | Neptune/Trident | E.I.     | 100.3574 | TRUE | Valid |
| 92237420 | Neptune/Trident | T-10     | 100.3571 | TRUE | Valid |
| 90020161 | Neptune/Trident | T-10     | 100.3176 | TRUE | Valid |
| 91175295 | Neptune/Trident | E.I.     | 100.3076 | TRUE | Valid |
| 91175313 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90504031 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90272473 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90182023 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90105437 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 89549444 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90870763 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90986299 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90870467 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 90359211 | Neptune/Trident | E.I.     | 100.3009 | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 100.3    | TRUE | Valid |
| 13335220 | Neptune/Trident | E.I.     | 100.3    | TRUE | Valid |
| 89549459 | Neptune/Trident | E.I.     | 100.3    | TRUE | Valid |
| 90106037 | Neptune/Trident | E.I.     | 100.3    | TRUE | Valid |
| 92525566 | Neptune/Trident | T10 E.I. | 100.3    | TRUE | Valid |
| 92525195 | Neptune/Trident | E.I.     | 100.3    | TRUE | Valid |
| 92390907 | Neptune/Trident | E.I.     | 100.3    | TRUE | Valid |
| 90104920 | Neptune/Trident | T10 E.I. | 100.2991 | TRUE | Valid |
| 91907739 | Neptune/Trident | T10 E.I. | 100.2991 | TRUE | Valid |
| 90870947 | Neptune/Trident | E.I.     | 100.2991 | TRUE | Valid |
| 90504276 | Neptune/Trident | E.I.     | 100.2991 | TRUE | Valid |
| 92525195 | Neptune/Trident | E.I.     | 100.2881 | TRUE | Valid |
| 91174586 | Neptune/Trident | T-10     | 100.2879 | TRUE | Valid |
| 92137659 | Neptune/Trident | T-10     | 100.2877 | TRUE | Valid |
| 91175324 | Neptune/Trident | E.I.     | 100.2874 | TRUE | Valid |
| 92524914 | Neptune/Trident | E.I.     | 100.2779 | TRUE | Valid |
| 91887749 | Neptune/Trident | T-10     | 100.2679 | TRUE | Valid |
| 91175329 | Neptune/Trident | E.I.     | 100.2577 | TRUE | Valid |
| 90020181 | Neptune/Trident | E.I.     | 100.2385 | TRUE | Valid |
| 91771137 | Neptune/Trident | T-10     | 100.2382 | TRUE | Valid |
| 91175261 | Neptune/Trident | E.I.     | 100.2381 | TRUE | Valid |
| 90381096 | Neptune/Trident | T-10     | 100.2381 | TRUE | Valid |
| 90101795 | Neptune/Trident | E.I.     | 100.2085 | TRUE | Valid |
| 89549514 | Neptune/Trident | E.I.     | 100.2085 | TRUE | Valid |
| 92390974 | Neptune/Trident | E.I.     | 100.2085 | TRUE | Valid |
| 92136953 | Neptune/Trident | T10 E.I. | 100.2084 | TRUE | Valid |
| 91505555 | Neptune/Trident | E.I.     | 100.2006 | TRUE | Valid |
| 89549548 | Neptune/Trident | T-10     | 100.2    | TRUE | Valid |
| 91887747 | Neptune/Trident | T-10     | 100.2    | TRUE | Valid |
| 89549462 | Neptune/Trident | E.I.     | 100.2    | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 100.2    | TRUE | Valid |
| 89908022 | Neptune/Trident | E.I.     | 100.2    | TRUE | Valid |
| 89907416 | Neptune/Trident | E.I.     | 100.2    | TRUE | Valid |
| 92237141 | Neptune/Trident | T-10     | 100.1994 | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 100.1994 | TRUE | Valid |

|          |                 |          |          |      |       |
|----------|-----------------|----------|----------|------|-------|
| 89549440 | Neptune/Trident | E.I.     | 100.1994 | TRUE | Valid |
| 89549424 | Neptune/Trident | E.I.     | 100.1994 | TRUE | Valid |
| 90504356 | Neptune/Trident | T-10     | 100.1988 | TRUE | Valid |
| 90504164 | Neptune/Trident | T-10     | 100.1988 | TRUE | Valid |
| 90870467 | Neptune/Trident | E.I.     | 100.1988 | TRUE | Valid |
| 89549468 | Neptune/Trident | E.I.     | 100.1888 | TRUE | Valid |
| 90622047 | Neptune/Trident | T-10     | 100.1884 | TRUE | Valid |
| 91258761 | Neptune/Trident | T10 E.I. | 100.1786 | TRUE | Valid |
| 91104237 | Neptune/Trident | T-10     | 100.1785 | TRUE | Valid |
| 90381096 | Neptune/Trident | E.I.     | 100.159  | TRUE | Valid |
| 91175316 | Neptune/Trident | E.I.     | 100.1588 | TRUE | Valid |
| 91887762 | Neptune/Trident | T-10     | 100.1588 | TRUE | Valid |
| 91175275 | Neptune/Trident | E.I.     | 100.1587 | TRUE | Valid |
| 90989628 | Neptune/Trident | T10 E.I. | 100.1488 | TRUE | Valid |
| 91834141 | Neptune/Trident | T-10     | 100.139  | TRUE | Valid |
| 90989603 | Neptune/Trident | T10 E.I. | 100.1389 | TRUE | Valid |
| 91175328 | Neptune/Trident | T10 E.I. | 100.119  | TRUE | Valid |
| 91887748 | Neptune/Trident | T-10     | 100.1092 | TRUE | Valid |
| 92137883 | Neptune/Trident | T-10     | 100.1091 | TRUE | Valid |
| 90989524 | Neptune/Trident | T-10     | 100.1091 | TRUE | Valid |
| 90715992 | Neptune/Trident | T10 E.I. | 100.1    | TRUE | Valid |
| 91175283 | Neptune/Trident | E.I.     | 100.1    | TRUE | Valid |
| 91887769 | Neptune/Trident | T-10     | 100.1    | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 100.1    | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 100.1    | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 100.1    | TRUE | Valid |
| 90987047 | Neptune/Trident | E.I.     | 100.1    | TRUE | Valid |
| 92525593 | Neptune/Trident | T10 E.I. | 100.0997 | TRUE | Valid |
| 91770831 | Neptune/Trident | T10 E.I. | 100.0997 | TRUE | Valid |
| 89549462 | Neptune/Trident | E.I.     | 100.0997 | TRUE | Valid |
| 91830933 | Neptune/Trident | E.I.     | 100.0997 | TRUE | Valid |
| 92237235 | Neptune/Trident | T-10     | 100.0994 | TRUE | Valid |
| 89258192 | Neptune/Trident | E.I.     | 100.0994 | TRUE | Valid |
| 89549462 | Neptune/Trident | T-10     | 100.0992 | TRUE | Valid |
| 90272852 | Neptune/Trident | T-10     | 100.0992 | TRUE | Valid |
| 91175328 | Neptune/Trident | E.I.     | 100.0991 | TRUE | Valid |
| 89549418 | Neptune/Trident | T-10     | 100.0694 | TRUE | Valid |
| 91175299 | Neptune/Trident | E.I.     | 100.0693 | TRUE | Valid |
| 91887746 | Neptune/Trident | T-10     | 100.0595 | TRUE | Valid |
| 91175332 | Neptune/Trident | E.I.     | 100.0594 | TRUE | Valid |
| 91887769 | Neptune/Trident | T-10     | 100.0298 | TRUE | Valid |
| 92655998 | Neptune/Trident | E.I.     | 100.0298 | TRUE | Valid |
| 92136816 | Neptune/Trident | E.I.     | 100.0199 | TRUE | Valid |
| 91887747 | Neptune/Trident | T-10     | 100.0198 | TRUE | Valid |
| 89549454 | Neptune/Trident | T-10     | 100.0099 | TRUE | Valid |
| 92524849 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175328 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 90622426 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 89549854 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175308 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175285 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175319 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175292 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175284 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175253 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175201 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175325 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175322 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175318 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 92391251 | Neptune/Trident | T10 E.I. | 100      | TRUE | Valid |
| 90272473 | Neptune/Trident | T10 E.I. | 100      | TRUE | Valid |
| 89809180 | Neptune/Trident | T-10     | 100      | TRUE | Valid |
| 91887769 | Neptune/Trident | T-10     | 100      | TRUE | Valid |
| 91887745 | Neptune/Trident | T-10     | 100      | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 89549454 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 89809716 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 91100550 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |
| 90622275 | Neptune/Trident | T-10     | 100      | TRUE | Valid |
| 90504201 | Neptune/Trident | E.I.     | 100      | TRUE | Valid |

|          |                 |          |         |      |       |
|----------|-----------------|----------|---------|------|-------|
| 90272522 | Neptune/Trident | T-10     | 99.9901 | TRUE | Valid |
| 90101657 | Neptune/Trident | T-10     | 99.9901 | TRUE | Valid |
| 90105085 | Neptune/Trident | T10 E.I. | 99.99   | TRUE | Valid |
| 91175325 | Neptune/Trident | E.I.     | 99.99   | TRUE | Valid |
| 89338856 | Neptune/Trident | E.I.     | 99.9801 | TRUE | Valid |
| 91175283 | Neptune/Trident | E.I.     | 99.9702 | TRUE | Valid |
| 91103796 | Neptune/Trident | T10 E.I. | 99.9702 | TRUE | Valid |
| 91887750 | Neptune/Trident | T-10     | 99.9702 | TRUE | Valid |
| 91887743 | Neptune/Trident | T-10     | 99.9702 | TRUE | Valid |
| 96989226 | Neptune/Trident | T10 E.I. | 99.9702 | TRUE | Valid |
| 91887764 | Neptune/Trident | T-10     | 99.9603 | TRUE | Valid |
| 89549500 | Neptune/Trident | E.I.     | 99.9603 | TRUE | Valid |
| 91175310 | Neptune/Trident | E.I.     | 99.9602 | TRUE | Valid |
| 91887770 | Neptune/Trident | T-10     | 99.9504 | TRUE | Valid |
| 91887742 | Neptune/Trident | T-10     | 99.9405 | TRUE | Valid |
| 90621900 | Neptune/Trident | E.I.     | 99.9405 | TRUE | Valid |
| 91175322 | Neptune/Trident | E.I.     | 99.9404 | TRUE | Valid |
| 91175305 | Neptune/Trident | E.I.     | 99.9404 | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 99.9306 | TRUE | Valid |
| 90272720 | Neptune/Trident | T10 E.I. | 99.9305 | TRUE | Valid |
| 91175330 | Neptune/Trident | E.I.     | 99.9206 | TRUE | Valid |
| 92237502 | Neptune/Trident | T-10     | 99.9107 | TRUE | Valid |
| 89549548 | Neptune/Trident | T-10     | 99.9107 | TRUE | Valid |
| 91887763 | Neptune/Trident | T-10     | 99.9107 | TRUE | Valid |
| 91175270 | Neptune/Trident | E.I.     | 99.9007 | TRUE | Valid |
| 91100550 | Neptune/Trident | E.I.     | 99.9003 | TRUE | Valid |
| 90503794 | Neptune/Trident | E.I.     | 99.9003 | TRUE | Valid |
| 91175329 | Neptune/Trident | E.I.     | 99.9    | TRUE | Valid |
| 91887771 | Neptune/Trident | T-10     | 99.9    | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 99.9    | TRUE | Valid |
| 91887747 | Neptune/Trident | T-10     | 99.8997 | TRUE | Valid |
| 91175279 | Neptune/Trident | E.I.     | 99.8908 | TRUE | Valid |
| 91887766 | Neptune/Trident | T-10     | 99.8908 | TRUE | Valid |
| 92390907 | Neptune/Trident | E.I.     | 99.8907 | TRUE | Valid |
| 91887771 | Neptune/Trident | T-10     | 99.8809 | TRUE | Valid |
| 91887744 | Neptune/Trident | T-10     | 99.8809 | TRUE | Valid |
| 89549641 | Neptune/Trident | E.I.     | 99.8809 | TRUE | Valid |
| 89549475 | Neptune/Trident | E.I.     | 99.8809 | TRUE | Valid |
| 90622095 | Neptune/Trident | T-10     | 99.871  | TRUE | Valid |
| 92237515 | Neptune/Trident | T10 E.I. | 99.8709 | TRUE | Valid |
| 90715992 | Neptune/Trident | T10 E.I. | 99.8709 | TRUE | Valid |
| 92123966 | Neptune/Trident | E.I.     | 99.8613 | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 99.8611 | TRUE | Valid |
| 91175329 | Neptune/Trident | E.I.     | 99.861  | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 99.861  | TRUE | Valid |
| 89549569 | Neptune/Trident | E.I.     | 99.8609 | TRUE | Valid |
| 92237141 | Neptune/Trident | T10 E.I. | 99.8511 | TRUE | Valid |
| 89549452 | Neptune/Trident | E.I.     | 99.8413 | TRUE | Valid |
| 92238230 | Neptune/Trident | E.I.     | 99.8316 | TRUE | Valid |
| 89549892 | Neptune/Trident | T-10     | 99.8314 | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 99.8314 | TRUE | Valid |
| 91175331 | Neptune/Trident | E.I.     | 99.8215 | TRUE | Valid |
| 89549426 | Neptune/Trident | E.I.     | 99.8214 | TRUE | Valid |
| 91887751 | Neptune/Trident | T-10     | 99.8115 | TRUE | Valid |
| 89549499 | Neptune/Trident | T10 E.I. | 99.8114 | TRUE | Valid |
| 3622317  | Neptune/Trident | E.I.     | 99.8018 | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 99.8017 | TRUE | Valid |
| 89912533 | Neptune/Trident | T-10     | 99.8012 | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 99.8006 | TRUE | Valid |
| 89912449 | Neptune/Trident | E.I.     | 99.8006 | TRUE | Valid |
| 90622426 | Neptune/Trident | T10 E.I. | 99.8005 | TRUE | Valid |
| 91770831 | Neptune/Trident | T10 E.I. | 99.8    | TRUE | Valid |
| 13335219 | Neptune/Trident | E.I.     | 99.8    | TRUE | Valid |
| 89549457 | Neptune/Trident | E.I.     | 99.8    | TRUE | Valid |
| 90272720 | Neptune/Trident | T10 E.I. | 99.8    | TRUE | Valid |
| 91887751 | Neptune/Trident | T-10     | 99.7994 | TRUE | Valid |
| 91432244 | Neptune/Trident | E.I.     | 99.7994 | TRUE | Valid |
| 92524849 | Neptune/Trident | E.I.     | 99.7916 | TRUE | Valid |
| 91175328 | Neptune/Trident | E.I.     | 99.7916 | TRUE | Valid |
| 90380998 | Neptune/Trident | E.I.     | 99.7916 | TRUE | Valid |
| 92237441 | Neptune/Trident | T-10     | 99.7915 | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 99.7818 | TRUE | Valid |
| 89549458 | Neptune/Trident | E.I.     | 99.7817 | TRUE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 99.7816 | TRUE | Valid |



|          |                 |          |         |      |       |
|----------|-----------------|----------|---------|------|-------|
| 91175285 | Neptune/Trident | E.I.     | 99.7721 | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 99.7718 | TRUE | Valid |
| 92137226 | Neptune/Trident | T10 E.I. | 99.7717 | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 99.762  | TRUE | Valid |
| 91175318 | Neptune/Trident | E.I.     | 99.7617 | TRUE | Valid |
| 91175275 | Neptune/Trident | E.I.     | 99.7617 | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 99.7518 | TRUE | Valid |
| 90021530 | Neptune/Trident | E.I.     | 99.7424 | TRUE | Valid |
| 92525428 | Neptune/Trident | E.I.     | 99.7325 | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 99.7322 | TRUE | Valid |
| 92390875 | Neptune/Trident | T10 E.I. | 99.732  | TRUE | Valid |
| 91770831 | Neptune/Trident | T10 E.I. | 99.7319 | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 99.7319 | TRUE | Valid |
| 92130659 | Neptune/Trident | E.I.     | 99.7226 | TRUE | Valid |
| 89549428 | Neptune/Trident | E.I.     | 99.7221 | TRUE | Valid |
| 92655944 | Neptune/Trident | E.I.     | 99.7221 | TRUE | Valid |
| 92390875 | Neptune/Trident | T10 E.I. | 99.7219 | TRUE | Valid |
| 89907580 | Neptune/Trident | E.I.     | 99.7127 | TRUE | Valid |
| 91100550 | Neptune/Trident | E.I.     | 99.7028 | TRUE | Valid |
| 90870763 | Neptune/Trident | E.I.     | 99.7028 | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 99.7025 | TRUE | Valid |
| 89549429 | Neptune/Trident | E.I.     | 99.7023 | TRUE | Valid |
| 91175253 | Neptune/Trident | E.I.     | 99.7022 | TRUE | Valid |
| 91887765 | Neptune/Trident | T-10     | 99.7022 | TRUE | Valid |
| 90485389 | Neptune/Trident | E.I.     | 99.7018 | TRUE | Valid |
| 90105436 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 89809096 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 91175321 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 91175307 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 91175298 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 91175296 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 91175270 | Neptune/Trident | E.I.     | 99.7008 | TRUE | Valid |
| 92390974 | Neptune/Trident | T10 E.I. | 99.7008 | TRUE | Valid |
| 92136953 | Neptune/Trident | T10 E.I. | 99.7    | TRUE | Valid |
| 91887750 | Neptune/Trident | T-10     | 99.7    | TRUE | Valid |
| 91887749 | Neptune/Trident | T-10     | 99.7    | TRUE | Valid |
| 90105399 | Neptune/Trident | T10 E.I. | 99.7    | TRUE | Valid |
| 91887748 | Neptune/Trident | T-10     | 99.6991 | TRUE | Valid |
| 91505905 | Neptune/Trident | E.I.     | 99.6929 | TRUE | Valid |
| 91234050 | Neptune/Trident | E.I.     | 99.6929 | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 99.6926 | TRUE | Valid |
| 91833950 | Neptune/Trident | E.I.     | 99.6924 | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 99.6827 | TRUE | Valid |
| 92390879 | Neptune/Trident | T10 E.I. | 99.6824 | TRUE | Valid |
| 90504164 | Neptune/Trident | T-10     | 99.6727 | TRUE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 99.6727 | TRUE | Valid |
| 89549424 | Neptune/Trident | E.I.     | 99.6727 | TRUE | Valid |
| 92524854 | Neptune/Trident | T10 E.I. | 99.6724 | TRUE | Valid |
| 91887768 | Neptune/Trident | T-10     | 99.6724 | TRUE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 99.6723 | TRUE | Valid |
| 90485599 | Neptune/Trident | E.I.     | 99.6631 | TRUE | Valid |
| 89549454 | Neptune/Trident | E.I.     | 99.6626 | TRUE | Valid |
| 90020340 | Neptune/Trident | T10 E.I. | 99.6625 | TRUE | Valid |
| 91834381 | Neptune/Trident | T10 E.I. | 99.6624 | TRUE | Valid |
| 92524854 | Neptune/Trident | T10 E.I. | 99.6623 | TRUE | Valid |
| 91770831 | Neptune/Trident | T10 E.I. | 99.6526 | TRUE | Valid |
| 92390985 | Neptune/Trident | T10 E.I. | 99.6524 | TRUE | Valid |
| 92390985 | Neptune/Trident | T10 E.I. | 99.6427 | TRUE | Valid |
| 91887767 | Neptune/Trident | T-10     | 99.6426 | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 99.633  | TRUE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 99.633  | TRUE | Valid |
| 92390974 | Neptune/Trident | T10 E.I. | 99.6328 | TRUE | Valid |
| 89549462 | Neptune/Trident | E.I.     | 99.6326 | TRUE | Valid |
| 89549457 | Neptune/Trident | E.I.     | 99.6229 | TRUE | Valid |
| 92390974 | Neptune/Trident | T10 E.I. | 99.6227 | TRUE | Valid |
| 94533861 | Neptune/Trident | E.I.     | 99.6034 | TRUE | Valid |
| 90870467 | Neptune/Trident | E.I.     | 99.6034 | TRUE | Valid |
| 89549456 | Neptune/Trident | E.I.     | 99.6031 | TRUE | Valid |
| 92524854 | Neptune/Trident | T10 E.I. | 99.603  | TRUE | Valid |
| 92237515 | Neptune/Trident | T10 E.I. | 99.6    | TRUE | Valid |
| 91175325 | Neptune/Trident | E.I.     | 99.6    | TRUE | Valid |
| 91432244 | Neptune/Trident | E.I.     | 99.6    | TRUE | Valid |
| 90021530 | Neptune/Trident | E.I.     | 99.6    | TRUE | Valid |
| 91887745 | Neptune/Trident | T-10     | 99.5988 | TRUE | Valid |

|          |                 |          |         |      |       |
|----------|-----------------|----------|---------|------|-------|
| 90715992 | Neptune/Trident | E.I.     | 99.5932 | TRUE | Valid |
| 92391251 | Neptune/Trident | T10 E.I. | 99.5931 | TRUE | Valid |
| 89549460 | Neptune/Trident | E.I.     | 99.5931 | TRUE | Valid |
| 91175294 | Neptune/Trident | E.I.     | 99.5928 | TRUE | Valid |
| 92391251 | Neptune/Trident | T10 E.I. | 99.5928 | TRUE | Valid |
| 92237141 | Neptune/Trident | T-10     | 99.5834 | TRUE | Valid |
| 91175298 | Neptune/Trident | E.I.     | 99.5739 | TRUE | Valid |
| 91175288 | Neptune/Trident | E.I.     | 99.5732 | TRUE | Valid |
| 90105437 | Neptune/Trident | T-10     | 99.5732 | TRUE | Valid |
| 89549424 | Neptune/Trident | T10 E.I. | 99.573  | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 99.5637 | TRUE | Valid |
| 92237515 | Neptune/Trident | E.I.     | 99.5632 | TRUE | Valid |
| 91175290 | Neptune/Trident | E.I.     | 99.5632 | TRUE | Valid |
| 90503794 | Neptune/Trident | E.I.     | 99.5632 | TRUE | Valid |
| 91505555 | Neptune/Trident | E.I.     | 99.5539 | TRUE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 99.5537 | TRUE | Valid |
| 89549462 | Neptune/Trident | E.I.     | 99.5537 | TRUE | Valid |
| 90504276 | Neptune/Trident | E.I.     | 99.5533 | TRUE | Valid |
| 91770831 | Neptune/Trident | T10 E.I. | 99.5531 | TRUE | Valid |
| 92387429 | Neptune/Trident | E.I.     | 99.5441 | TRUE | Valid |
| 89549949 | Neptune/Trident | T-10     | 99.5339 | TRUE | Valid |
| 89549461 | Neptune/Trident | E.I.     | 99.5336 | TRUE | Valid |
| 91175318 | Neptune/Trident | E.I.     | 99.5335 | TRUE | Valid |
| 91175201 | Neptune/Trident | E.I.     | 99.5335 | TRUE | Valid |
| 92390974 | Neptune/Trident | T10 E.I. | 99.5333 | TRUE | Valid |
| 90870467 | Neptune/Trident | E.I.     | 99.5244 | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 99.5234 | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 99.5141 | TRUE | Valid |
| 89549424 | Neptune/Trident | E.I.     | 99.5141 | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 99.5135 | TRUE | Valid |
| 91175275 | Neptune/Trident | E.I.     | 99.5    | TRUE | Valid |
| 91887766 | Neptune/Trident | T-10     | 99.5    | TRUE | Valid |
| 90485507 | Neptune/Trident | E.I.     | 99.4947 | TRUE | Valid |
| 90381104 | Neptune/Trident | T10 E.I. | 99.4937 | TRUE | Valid |
| 90621900 | Neptune/Trident | E.I.     | 99.4937 | TRUE | Valid |
| 91175319 | Neptune/Trident | E.I.     | 99.4935 | TRUE | Valid |
| 91175311 | Neptune/Trident | E.I.     | 99.4935 | TRUE | Valid |
| 91175305 | Neptune/Trident | E.I.     | 99.4935 | TRUE | Valid |
| 91175292 | Neptune/Trident | E.I.     | 99.4935 | TRUE | Valid |
| 89908022 | Neptune/Trident | E.I.     | 99.4846 | TRUE | Valid |
| 90504356 | Neptune/Trident | T-10     | 99.4843 | TRUE | Valid |
| 13335219 | Neptune/Trident | E.I.     | 99.4843 | TRUE | Valid |
| 90504201 | Neptune/Trident | E.I.     | 99.4838 | TRUE | Valid |
| 91175326 | Neptune/Trident | E.I.     | 99.4748 | TRUE | Valid |
| 91175307 | Neptune/Trident | E.I.     | 99.4748 | TRUE | Valid |
| 91175270 | Neptune/Trident | E.I.     | 99.4748 | TRUE | Valid |
| 90986299 | Neptune/Trident | E.I.     | 99.4746 | TRUE | Valid |
| 89549425 | Neptune/Trident | E.I.     | 99.4641 | TRUE | Valid |
| 91175313 | Neptune/Trident | E.I.     | 99.4639 | TRUE | Valid |
| 91175308 | Neptune/Trident | E.I.     | 99.4639 | TRUE | Valid |
| 91175325 | Neptune/Trident | E.I.     | 99.4639 | TRUE | Valid |
| 91175322 | Neptune/Trident | E.I.     | 99.4639 | TRUE | Valid |
| 89549458 | Neptune/Trident | E.I.     | 99.4544 | TRUE | Valid |
| 89549459 | Neptune/Trident | E.I.     | 99.4539 | TRUE | Valid |
| 90503795 | Neptune/Trident | E.I.     | 99.4536 | TRUE | Valid |
| 90516973 | Neptune/Trident | E.I.     | 99.4452 | TRUE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 99.4447 | TRUE | Valid |
| 91830933 | Neptune/Trident | E.I.     | 99.4353 | TRUE | Valid |
| 89912533 | Neptune/Trident | T-10     | 99.4347 | TRUE | Valid |
| 90182023 | Neptune/Trident | T10 E.I. | 99.434  | TRUE | Valid |
| 90870947 | Neptune/Trident | E.I.     | 99.4055 | TRUE | Valid |
| 89907416 | Neptune/Trident | E.I.     | 99.4054 | TRUE | Valid |
| 89549459 | Neptune/Trident | E.I.     | 99.405  | TRUE | Valid |
| 94533861 | Neptune/Trident | E.I.     | 99.4036 | TRUE | Valid |
| 91505555 | Neptune/Trident | E.I.     | 99.4036 | TRUE | Valid |
| 90273136 | Neptune/Trident | E.I.     | 99.4036 | TRUE | Valid |
| 91432244 | Neptune/Trident | E.I.     | 99.4    | TRUE | Valid |
| 90106037 | Neptune/Trident | E.I.     | 99.4    | TRUE | Valid |
| 90105926 | Neptune/Trident | E.I.     | 99.4    | TRUE | Valid |
| 92136816 | Neptune/Trident | E.I.     | 99.4    | TRUE | Valid |
| 90273135 | Neptune/Trident | E.I.     | 99.3956 | TRUE | Valid |
| 91175333 | Neptune/Trident | E.I.     | 99.3952 | TRUE | Valid |
| 91834381 | Neptune/Trident | E.I.     | 99.3949 | TRUE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 99.3949 | TRUE | Valid |

|          |                 |          |         |      |       |
|----------|-----------------|----------|---------|------|-------|
| 90181585 | Neptune/Trident | T10 E.I. | 99.3945 | TRUE | Valid |
| 91175304 | Neptune/Trident | E.I.     | 99.3943 | TRUE | Valid |
| 89258192 | Neptune/Trident | E.I.     | 99.3853 | TRUE | Valid |
| 92655752 | Neptune/Trident | T10 E.I. | 99.3845 | TRUE | Valid |
| 89809180 | Neptune/Trident | T-10     | 99.3746 | TRUE | Valid |
| 90181660 | Neptune/Trident | T10 E.I. | 99.3744 | TRUE | Valid |
| 90182023 | Neptune/Trident | E.I.     | 99.3647 | TRUE | Valid |
| 90105399 | Neptune/Trident | T10 E.I. | 99.3647 | TRUE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 99.3645 | TRUE | Valid |
| 90105926 | Neptune/Trident | E.I.     | 99.3461 | TRUE | Valid |
| 92525593 | Neptune/Trident | T10 E.I. | 99.3446 | TRUE | Valid |
| 90987047 | Neptune/Trident | E.I.     | 99.336  | TRUE | Valid |
| 90485389 | Neptune/Trident | E.I.     | 99.3358 | TRUE | Valid |
| 92525593 | Neptune/Trident | T10 E.I. | 99.3351 | TRUE | Valid |
| 89912449 | Neptune/Trident | E.I.     | 99.3151 | TRUE | Valid |
| 92525566 | Neptune/Trident | T10 E.I. | 99.3051 | TRUE | Valid |
| 91175326 | Neptune/Trident | E.I.     | 99.3    | TRUE | Valid |
| 91887770 | Neptune/Trident | T-10     | 99.3    | TRUE | Valid |
| 91887768 | Neptune/Trident | T-10     | 99.3    | TRUE | Valid |
| 91887751 | Neptune/Trident | T-10     | 99.3    | TRUE | Valid |
| 89549456 | Neptune/Trident | E.I.     | 99.3    | TRUE | Valid |
| 90516973 | Neptune/Trident | E.I.     | 99.3    | TRUE | Valid |
| 90105437 | Neptune/Trident | T-10     | 99.2979 | TRUE | Valid |
| 91175280 | Neptune/Trident | E.I.     | 99.2978 | TRUE | Valid |
| 1335218  | Neptune/Trident | E.I.     | 99.2959 | TRUE | Valid |
| 91887765 | Neptune/Trident | E.I.     | 99.2957 | TRUE | Valid |
| 91175253 | Neptune/Trident | E.I.     | 99.295  | TRUE | Valid |
| 89549490 | Neptune/Trident | T10 E.I. | 99.295  | TRUE | Valid |
| 91907739 | Neptune/Trident | T10 E.I. | 99.2755 | TRUE | Valid |
| 92525593 | Neptune/Trident | T10 E.I. | 99.2753 | TRUE | Valid |
| 91907739 | Neptune/Trident | T10 E.I. | 99.2751 | TRUE | Valid |
| 91175317 | Neptune/Trident | E.I.     | 99.2654 | TRUE | Valid |
| 90181660 | Neptune/Trident | E.I.     | 99.2654 | TRUE | Valid |
| 13335217 | Neptune/Trident | E.I.     | 99.2562 | TRUE | Valid |
| 90272473 | Neptune/Trident | T10 E.I. | 99.2358 | TRUE | Valid |
| 92525040 | Neptune/Trident | E.I.     | 99.2257 | TRUE | Valid |
| 13335220 | Neptune/Trident | E.I.     | 99.2166 | TRUE | Valid |
| 91175305 | Neptune/Trident | E.I.     | 99.2    | TRUE | Valid |
| 89549462 | Neptune/Trident | T-10     | 99.2    | TRUE | Valid |
| 90020340 | Neptune/Trident | T10 E.I. | 99.2    | TRUE | Valid |
| 89549854 | Neptune/Trident | E.I.     | 99.1965 | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 99.1957 | TRUE | Valid |
| 91175201 | Neptune/Trident | E.I.     | 99.1957 | TRUE | Valid |
| 90272473 | Neptune/Trident | T10 E.I. | 99.1957 | TRUE | Valid |
| 90358606 | Neptune/Trident | E.I.     | 99.1873 | TRUE | Valid |
| 89549424 | Neptune/Trident | E.I.     | 99.1759 | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 99.1661 | TRUE | Valid |
| 89549854 | Neptune/Trident | E.I.     | 99.1366 | TRUE | Valid |
| 89550566 | Neptune/Trident | E.I.     | 99.1278 | TRUE | Valid |
| 90504031 | Neptune/Trident | T10 E.I. | 99.1262 | TRUE | Valid |
| 90105437 | Neptune/Trident | T10 E.I. | 99.1162 | TRUE | Valid |
| 89549444 | Neptune/Trident | T10 E.I. | 99.1    | TRUE | Valid |
| 91103796 | Neptune/Trident | T10 E.I. | 99.1    | TRUE | Valid |
| 3622317  | Neptune/Trident | E.I.     | 99.1    | TRUE | Valid |
| 91770950 | Neptune/Trident | E.I.     | 99.1    | TRUE | Valid |
| 91175300 | Neptune/Trident | E.I.     | 99.0785 | TRUE | Valid |
| 91175296 | Neptune/Trident | E.I.     | 99.0785 | TRUE | Valid |
| 90272473 | Neptune/Trident | E.I.     | 99.0669 | TRUE | Valid |
| 90105436 | Neptune/Trident | E.I.     | 99.0374 | TRUE | Valid |
| 89549967 | Neptune/Trident | E.I.     | 99.0374 | TRUE | Valid |
| 89549444 | Neptune/Trident | T10 E.I. | 99.0368 | TRUE | Valid |
| 90106037 | Neptune/Trident | E.I.     | 99.0188 | TRUE | Valid |
| 90359211 | Neptune/Trident | E.I.     | 99.006  | TRUE | Valid |
| 91175318 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 89549967 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175279 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 92237515 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175307 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175283 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175305 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175304 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175329 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 91175325 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |
| 90181660 | Neptune/Trident | E.I.     | 99      | TRUE | Valid |

|          |                 |          |         |       |       |
|----------|-----------------|----------|---------|-------|-------|
| 89549424 | Neptune/Trident | T10 E.I. | 99      | TRUE  | Valid |
| 92390974 | Neptune/Trident | T10 E.I. | 99      | TRUE  | Valid |
| 92524992 | Neptune/Trident | T-10     | 99      | TRUE  | Valid |
| 96989226 | Neptune/Trident | T10 E.I. | 99      | TRUE  | Valid |
| 89549514 | Neptune/Trident | E.I.     | 99      | TRUE  | Valid |
| 92237235 | Neptune/Trident | T-10     | 98.9885 | TRUE  | Valid |
| 90504031 | Neptune/Trident | E.I.     | 98.9676 | TRUE  | Valid |
| 89549444 | Neptune/Trident | E.I.     | 98.9676 | TRUE  | Valid |
| 90181660 | Neptune/Trident | T10 E.I. | 98.9    | TRUE  | Valid |
| 90105437 | Neptune/Trident | T10 E.I. | 98.9    | TRUE  | Valid |
| 92525593 | Neptune/Trident | T10 E.I. | 98.9    | TRUE  | Valid |
| 91175333 | Neptune/Trident | E.I.     | 98.9    | TRUE  | Valid |
| 91887765 | Neptune/Trident | T-10     | 98.9    | TRUE  | Valid |
| 90987047 | Neptune/Trident | E.I.     | 98.9    | TRUE  | Valid |
| 90989524 | Neptune/Trident | T-10     | 98.9    | TRUE  | Valid |
| 89912472 | Neptune/Trident | E.I.     | 98.9    | TRUE  | Valid |
| 91175280 | Neptune/Trident | E.I.     | 98.8683 | TRUE  | Valid |
| 90105437 | Neptune/Trident | E.I.     | 98.8683 | TRUE  | Valid |
| 90986299 | Neptune/Trident | E.I.     | 98.8072 | TRUE  | Valid |
| 89809716 | Neptune/Trident | E.I.     | 98.8008 | TRUE  | Valid |
| 91887748 | Neptune/Trident | T-10     | 98.8    | TRUE  | Valid |
| 91104237 | Neptune/Trident | T-10     | 98.8    | TRUE  | Valid |
| 89338856 | Neptune/Trident | E.I.     | 98.8    | TRUE  | Valid |
| 90381096 | Neptune/Trident | E.I.     | 98.8    | TRUE  | Valid |
| 90273135 | Neptune/Trident | E.I.     | 98.7964 | TRUE  | Valid |
| 91175321 | Neptune/Trident | E.I.     | 98.7813 | TRUE  | Valid |
| 89809096 | Neptune/Trident | E.I.     | 98.7397 | TRUE  | Valid |
| 91175270 | Neptune/Trident | E.I.     | 98.7    | TRUE  | Valid |
| 91175324 | Neptune/Trident | E.I.     | 98.7    | TRUE  | Valid |
| 91887767 | Neptune/Trident | T-10     | 98.7    | TRUE  | Valid |
| 91887764 | Neptune/Trident | T-10     | 98.7    | TRUE  | Valid |
| 91887745 | Neptune/Trident | T-10     | 98.7    | TRUE  | Valid |
| 89549424 | Neptune/Trident | E.I.     | 98.7    | TRUE  | Valid |
| 90104920 | Neptune/Trident | T10 E.I. | 98.6197 | TRUE  | Valid |
| 89549458 | Neptune/Trident | E.I.     | 98.6    | TRUE  | Valid |
| 89549426 | Neptune/Trident | E.I.     | 98.6    | TRUE  | Valid |
| 92525566 | Neptune/Trident | T10 E.I. | 98.6    | TRUE  | Valid |
| 90359211 | Neptune/Trident | E.I.     | 98.5129 | TRUE  | Valid |
| 13335220 | Neptune/Trident | E.I.     | 98.4    | TRUE  | Valid |
| 89549500 | Neptune/Trident | E.I.     | 98.4    | TRUE  | Valid |
| 90622426 | Neptune/Trident | T10 E.I. | 98.3219 | FALSE | Valid |
| 90104920 | Neptune/Trident | T10 E.I. | 98.3    | TRUE  | Valid |
| 91258761 | Neptune/Trident | T10 E.I. | 98.3    | TRUE  | Valid |
| 91175238 | Neptune/Trident | E.I.     | 98.3    | TRUE  | Valid |
| 1335218  | Neptune/Trident | E.I.     | 98.3    | TRUE  | Valid |
| 90485507 | Neptune/Trident | E.I.     | 98.3    | TRUE  | Valid |
| 89549499 | Neptune/Trident | T10 E.I. | 98.3    | TRUE  | Valid |
| 92237409 | Neptune/Trident | T-10     | 98.3    | TRUE  | Valid |
| 89549490 | Neptune/Trident | T10 E.I. | 98.2    | TRUE  | Valid |
| 91907578 | Neptune/Trident | T10 E.I. | 98.2    | TRUE  | Valid |
| 92525184 | Neptune/Trident | T-10     | 98.2    | TRUE  | Valid |
| 92237420 | Neptune/Trident | T-10     | 98.1    | TRUE  | Valid |
| 13335217 | Neptune/Trident | E.I.     | 98.1    | TRUE  | Valid |
| 89549454 | Neptune/Trident | E.I.     | 98.1    | TRUE  | Valid |
| 90870467 | Neptune/Trident | E.I.     | 98.0119 | TRUE  | Valid |
| 90622426 | Neptune/Trident | E.I.     | 98.0061 | FALSE | Valid |
| 91887765 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 90272473 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 89549444 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 91175299 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 91175298 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 91175296 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 91175319 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 91175311 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 91175316 | Neptune/Trident | E.I.     | 98      | TRUE  | Valid |
| 89549418 | Neptune/Trident | T-10     | 98      | TRUE  | Valid |
| 92237441 | Neptune/Trident | T-10     | 97.9    | TRUE  | Valid |
| 91103715 | Neptune/Trident | T-10     | 97.9    | TRUE  | Valid |
| 91887763 | Neptune/Trident | T-10     | 97.9    | TRUE  | Valid |
| 92655998 | Neptune/Trident | E.I.     | 97.9    | TRUE  | Valid |
| 89549641 | Neptune/Trident | E.I.     | 97.9    | TRUE  | Valid |
| 90870947 | Neptune/Trident | E.I.     | 97.8937 | TRUE  | Valid |
| 91887744 | Neptune/Trident | T-10     | 97.8    | TRUE  | Valid |
| 89549569 | Neptune/Trident | E.I.     | 97.8    | TRUE  | Valid |

|          |                 |          |         |      |       |
|----------|-----------------|----------|---------|------|-------|
| 92390985 | Neptune/Trident | T10 E.I. | 97.7    | TRUE | Valid |
| 90181585 | Neptune/Trident | T10 E.I. | 97.7    | TRUE | Valid |
| 92525428 | Neptune/Trident | E.I.     | 97.6931 | TRUE | Valid |
| 90504031 | Neptune/Trident | T10 E.I. | 97.6    | TRUE | Valid |
| 90622095 | Neptune/Trident | T-10     | 97.6    | TRUE | Valid |
| 92130659 | Neptune/Trident | E.I.     | 97.5928 | TRUE | Valid |
| 90622426 | Neptune/Trident | T10 E.I. | 97.4    | TRUE | Valid |
| 92655752 | Neptune/Trident | T10 E.I. | 97.4    | TRUE | Valid |
| 91175288 | Neptune/Trident | E.I.     | 97.4    | TRUE | Valid |
| 91175331 | Neptune/Trident | E.I.     | 97.4    | TRUE | Valid |
| 89549461 | Neptune/Trident | E.I.     | 97.4    | TRUE | Valid |
| 89549429 | Neptune/Trident | E.I.     | 97.4    | TRUE | Valid |
| 92525113 | Neptune/Trident | T-10     | 97.4    | TRUE | Valid |
| 92525040 | Neptune/Trident | E.I.     | 97.4    | TRUE | Valid |
| 90181630 | Neptune/Trident | T10 E.I. | 97.3    | TRUE | Valid |
| 91175295 | Neptune/Trident | E.I.     | 97.3    | TRUE | Valid |
| 91175253 | Neptune/Trident | E.I.     | 97.3    | TRUE | Valid |
| 91887746 | Neptune/Trident | T-10     | 97.3    | TRUE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 97.3    | TRUE | Valid |
| 89549460 | Neptune/Trident | E.I.     | 97.3    | TRUE | Valid |
| 89550566 | Neptune/Trident | E.I.     | 97.3    | TRUE | Valid |
| 90621900 | Neptune/Trident | E.I.     | 97.2    | TRUE | Valid |
| 92655944 | Neptune/Trident | E.I.     | 97.2    | TRUE | Valid |
| 90381096 | Neptune/Trident | T-10     | 97.1    | TRUE | Valid |
| 90622047 | Neptune/Trident | T-10     | 97.1    | TRUE | Valid |
| 91100550 | Neptune/Trident | E.I.     | 97.0179 | TRUE | Valid |
| 91175201 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91834381 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 90622426 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 90105437 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91175326 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91175321 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91175300 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91175294 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91175292 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 91175275 | Neptune/Trident | E.I.     | 97      | TRUE | Valid |
| 92238230 | Neptune/Trident | E.I.     | 96.991  | TRUE | Valid |
| 89549458 | Neptune/Trident | E.I.     | 96.8    | TRUE | Valid |
| 91175322 | Neptune/Trident | E.I.     | 96.7    | TRUE | Valid |
| 89549425 | Neptune/Trident | E.I.     | 96.7    | TRUE | Valid |
| 91771137 | Neptune/Trident | T-10     | 96.6    | TRUE | Valid |
| 89549454 | Neptune/Trident | T-10     | 96.6    | TRUE | Valid |
| 91103955 | Neptune/Trident | T10 E.I. | 96.5    | TRUE | Valid |
| 92387429 | Neptune/Trident | E.I.     | 96.5    | TRUE | Valid |
| 90989603 | Neptune/Trident | T10 E.I. | 96.4    | TRUE | Valid |
| 91174586 | Neptune/Trident | T-10     | 96.4    | TRUE | Valid |
| 89809716 | Neptune/Trident | E.I.     | 96.3    | TRUE | Valid |
| 89549854 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 90715992 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 91175310 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 90504031 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 90182023 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 91175322 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 91175290 | Neptune/Trident | E.I.     | 96      | TRUE | Valid |
| 90105085 | Neptune/Trident | T10 E.I. | 96      | TRUE | Valid |
| 90101795 | Neptune/Trident | E.I.     | 95.9    | TRUE | Valid |
| 91834381 | Neptune/Trident | T10 E.I. | 95.7    | TRUE | Valid |
| 89907580 | Neptune/Trident | E.I.     | 95.6    | TRUE | Valid |
| 90504276 | Neptune/Trident | E.I.     | 95.6    | TRUE | Valid |
| 90504164 | Neptune/Trident | T-10     | 95.5    | TRUE | Valid |
| 90101657 | Neptune/Trident | T-10     | 95.5    | TRUE | Valid |
| 90020181 | Neptune/Trident | E.I.     | 95.5    | TRUE | Valid |
| 89549424 | Neptune/Trident | E.I.     | 95.4    | TRUE | Valid |
| 92525195 | Neptune/Trident | E.I.     | 95.4    | TRUE | Valid |
| 91834141 | Neptune/Trident | T-10     | 95.3    | TRUE | Valid |
| 92237236 | Neptune/Trident | T-10     | 95.1    | TRUE | Valid |
| 92137612 | Neptune/Trident | E.I.     | 95.1    | TRUE | Valid |
| 91833950 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |
| 90380998 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |
| 91175313 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |
| 91175270 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |
| 91175253 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |
| 91175238 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |
| 91175317 | Neptune/Trident | E.I.     | 95      | TRUE | Valid |

|          |                 |          |         |       |       |
|----------|-----------------|----------|---------|-------|-------|
| 91175238 | Neptune/Trident | E.I.     | 95      | TRUE  | Valid |
| 90182023 | Neptune/Trident | T10 E.I. | 94.9    | FALSE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 94.9    | FALSE | Valid |
| 90989628 | Neptune/Trident | T10 E.I. | 94.8    | FALSE | Valid |
| 90504356 | Neptune/Trident | T-10     | 94.8    | FALSE | Valid |
| 89549428 | Neptune/Trident | E.I.     | 94.8    | FALSE | Valid |
| 89912449 | Neptune/Trident | E.I.     | 94.8    | FALSE | Valid |
| 92524914 | Neptune/Trident | E.I.     | 94.8    | FALSE | Valid |
| 91175327 | Neptune/Trident | E.I.     | 94.7    | FALSE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 94.7    | FALSE | Valid |
| 91100550 | Neptune/Trident | E.I.     | 94.6841 | FALSE | Valid |
| 91432244 | Neptune/Trident | E.I.     | 94.6322 | FALSE | Valid |
| 91175261 | Neptune/Trident | E.I.     | 94.6    | FALSE | Valid |
| 92390907 | Neptune/Trident | E.I.     | 94.6    | FALSE | Valid |
| 92137659 | Neptune/Trident | T-10     | 94.5    | FALSE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 94.5    | FALSE | Valid |
| 89549892 | Neptune/Trident | T-10     | 94.3    | FALSE | Valid |
| 89549452 | Neptune/Trident | E.I.     | 94.2    | FALSE | Valid |
| 89549475 | Neptune/Trident | E.I.     | 94.1    | FALSE | Valid |
| 92237502 | Neptune/Trident | T-10     | 94      | FALSE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 94      | FALSE | Valid |
| 89549464 | Neptune/Trident | E.I.     | 93.9    | FALSE | Valid |
| 89912533 | Neptune/Trident | T-10     | 93.7    | FALSE | Valid |
| 92137883 | Neptune/Trident | T-10     | 93.7    | FALSE | Valid |
| 91830933 | Neptune/Trident | E.I.     | 93.5807 | FALSE | Valid |
| 90503794 | Neptune/Trident | E.I.     | 93.5    | FALSE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 93.4    | FALSE | Valid |
| 89549427 | Neptune/Trident | E.I.     | 93.2    | FALSE | Valid |
| 90870467 | Neptune/Trident | E.I.     | 93.2    | FALSE | Valid |
| 92237141 | Neptune/Trident | T-10     | 93.1    | FALSE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 93.1    | FALSE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 93.1    | FALSE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 93.1    | FALSE | Valid |
| 92524849 | Neptune/Trident | E.I.     | 93      | FALSE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 93      | FALSE | Valid |
| 89549462 | Neptune/Trident | E.I.     | 93      | FALSE | Valid |
| 92237235 | Neptune/Trident | T-10     | 92.9    | FALSE | Valid |
| 89809180 | Neptune/Trident | T-10     | 92.9    | FALSE | Valid |
| 90272522 | Neptune/Trident | T-10     | 92.8    | FALSE | Valid |
| 90504201 | Neptune/Trident | E.I.     | 92.8    | FALSE | Valid |
| 90272852 | Neptune/Trident | T-10     | 92.7    | FALSE | Valid |
| 90989470 | Neptune/Trident | T-10     | 92.6    | FALSE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 92.5    | FALSE | Valid |
| 89549462 | Neptune/Trident | E.I.     | 92.3    | FALSE | Valid |
| 90273136 | Neptune/Trident | E.I.     | 92.2474 | FALSE | Valid |
| 92390879 | Neptune/Trident | T10 E.I. | 92.2    | FALSE | Valid |
| 89549497 | Neptune/Trident | E.I.     | 92.2    | FALSE | Valid |
| 92390974 | Neptune/Trident | E.I.     | 92.2    | FALSE | Valid |
| 90105436 | Neptune/Trident | E.I.     | 92      | FALSE | Valid |
| 89549854 | Neptune/Trident | E.I.     | 92      | FALSE | Valid |
| 90622275 | Neptune/Trident | T-10     | 92      | FALSE | Valid |
| 91771081 | Neptune/Trident | T-10     | 91.9    | FALSE | Valid |
| 89549505 | Neptune/Trident | E.I.     | 91.7    | FALSE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 91.4    | FALSE | Valid |
| 91432244 | Neptune/Trident | E.I.     | 91.2884 | FALSE | Valid |
| 90380681 | Neptune/Trident | E.I.     | 91.1    | FALSE | Valid |
| 89809096 | Neptune/Trident | E.I.     | 91      | FALSE | Valid |
| 89549440 | Neptune/Trident | E.I.     | 91      | FALSE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 90.8    | FALSE | Valid |
| 89549949 | Neptune/Trident | T-10     | 90.6    | FALSE | Valid |
| 90503795 | Neptune/Trident | E.I.     | 89.6    | FALSE | Valid |
| 90105437 | Neptune/Trident | T-10     | 89.3    | FALSE | Valid |
| 89549504 | Neptune/Trident | E.I.     | 88.4    | FALSE | Valid |
| 90621900 | Neptune/Trident | E.I.     | 88.2    | FALSE | Valid |
| 89549459 | Neptune/Trident | E.I.     | 82.6    | FALSE | Valid |
| 91432244 | Neptune/Trident | E.I.     | 78.7972 | FALSE | Valid |
| 89549967 | Neptune/Trident | T10 E.I. | 76      | FALSE | Valid |
| 89549455 | Neptune/Trident | T10 E.I. | 75.7726 | FALSE | Valid |
| 89549967 | Neptune/Trident | T10 E.I. | 74.7756 | FALSE | Valid |
| 89549455 | Neptune/Trident | T10 E.I. | 74.3719 | FALSE | Valid |
| 89549967 | Neptune/Trident | T10 E.I. | 74.3276 | FALSE | Valid |
| 89549967 | Neptune/Trident | T10 E.I. | 74.2726 | FALSE | Valid |
| 89549455 | Neptune/Trident | T10 E.I. | 74      | FALSE | Valid |
| 89549455 | Neptune/Trident | E.I.     | 55.5    | FALSE | Valid |

|          |                 |          |              |       |                    |
|----------|-----------------|----------|--------------|-------|--------------------|
| 89549427 | Neptune/Trident | E.I.     | 54.6         | FALSE | Valid              |
| 90020161 | Neptune/Trident | T-10     | 53.6         | FALSE | Valid              |
| 91175318 | Neptune/Trident | E.I.     | 50           | FALSE | Valid              |
| 91175280 | Neptune/Trident | E.I.     | 46           | FALSE | Valid              |
| 91770831 | Neptune/Trident | T10 E.I. | 29.5         | FALSE | Valid              |
| 91100550 | Neptune/Trident | E.I.     | 29.1563      | FALSE | Valid              |
| 92524854 | Neptune/Trident | T10 E.I. | 28.1         | FALSE | Valid              |
| 92525593 | Neptune/Trident | T10 E.I. | 27.6         | FALSE | Valid              |
| 92390974 | Neptune/Trident | T10 E.I. | 27.5         | FALSE | Valid              |
| 92390875 | Neptune/Trident | T10 E.I. | 25.7         | FALSE | Valid              |
| 91432244 | Neptune/Trident | E.I.     | 24.7943      | FALSE | Valid              |
| 89549424 | Neptune/Trident | E.I.     | 21           | FALSE | Valid              |
| 92390974 | Neptune/Trident | T10 E.I. | 20           | FALSE | Valid              |
| 92524854 | Neptune/Trident | T10 E.I. | 19.5         | FALSE | Valid              |
| 91907739 | Neptune/Trident | T10 E.I. | 19.4         | FALSE | Valid              |
| 92525593 | Neptune/Trident | T10 E.I. | 19.3         | FALSE | Valid              |
| 91770831 | Neptune/Trident | T10 E.I. | 19           | FALSE | Valid              |
| 89549504 | Neptune/Trident | E.I.     | 13           | FALSE | Valid              |
| 89549504 | Neptune/Trident | E.I.     | 11.2         | FALSE | Valid              |
| 89549459 | Neptune/Trident | E.I.     | 10.4         | FALSE | Valid              |
| 91175201 | Neptune/Trident | E.I.     | 10           | FALSE | Valid              |
| 89549440 | Neptune/Trident | E.I.     | 6.6          | FALSE | Valid              |
| 89549427 | Neptune/Trident | E.I.     | 4.8          | FALSE | Valid              |
| 91175328 | Neptune/Trident | E.I.     | 4.6          | FALSE | Valid              |
| 89549468 | Neptune/Trident | E.I.     | 4.3          | FALSE | Valid              |
| 89549464 | Neptune/Trident | E.I.     | 2.8          | FALSE | Valid              |
| 89549424 | Neptune/Trident | E.I.     | 2.7          | FALSE | Valid              |
| 92655752 | Neptune/Trident | T10 E.I. | 1.2404       | FALSE | Valid              |
| 92525593 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92524854 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92391251 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92390985 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92390974 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92390875 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 91907739 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 91770831 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 90272473 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 89549967 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92655752 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 92655752 | Neptune/Trident | T10 E.I. | 0            | FALSE | Valid              |
| 91432244 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 91432244 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 90485389 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 89549500 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 89549500 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 89549500 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 90621900 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 90504276 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 90504201 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 90503794 | Neptune/Trident | E.I.     | 0            | FALSE | Valid              |
| 90485389 | Neptune/Trident | E.I.     | -0.1882      | FALSE | Data Entry Mistake |
| 90485389 | Neptune/Trident | E.I.     | -3.4791      | FALSE | Data Entry Mistake |
| 90358606 | Neptune/Trident | E.I.     | -299899.9    | FALSE | Data Entry Mistake |
| 91175326 | Neptune/Trident | E.I.     | -1758762.739 | FALSE | Data Entry Mistake |
| 90273135 | Neptune/Trident | E.I.     | -38185343.07 | FALSE | Data Entry Mistake |