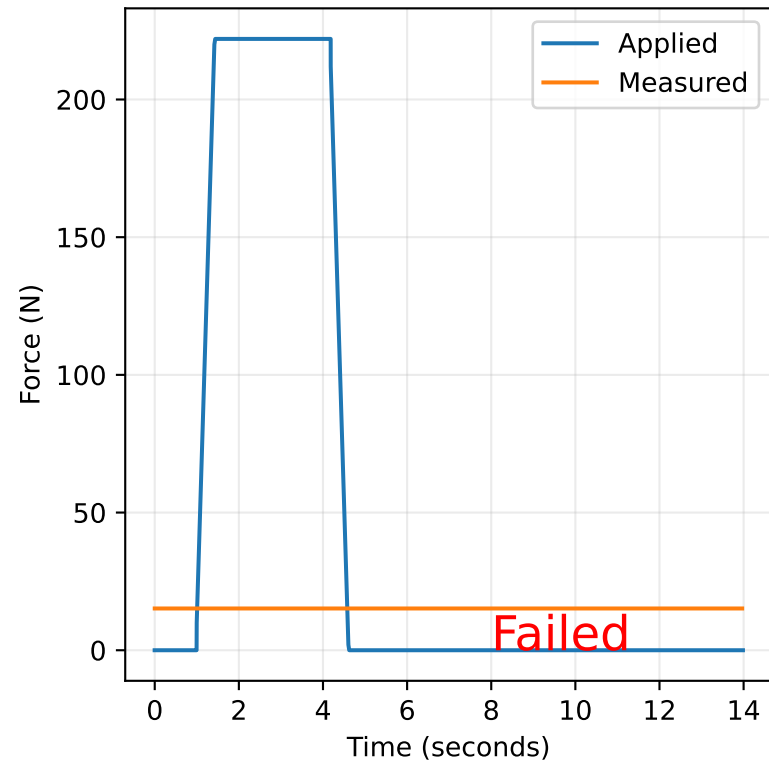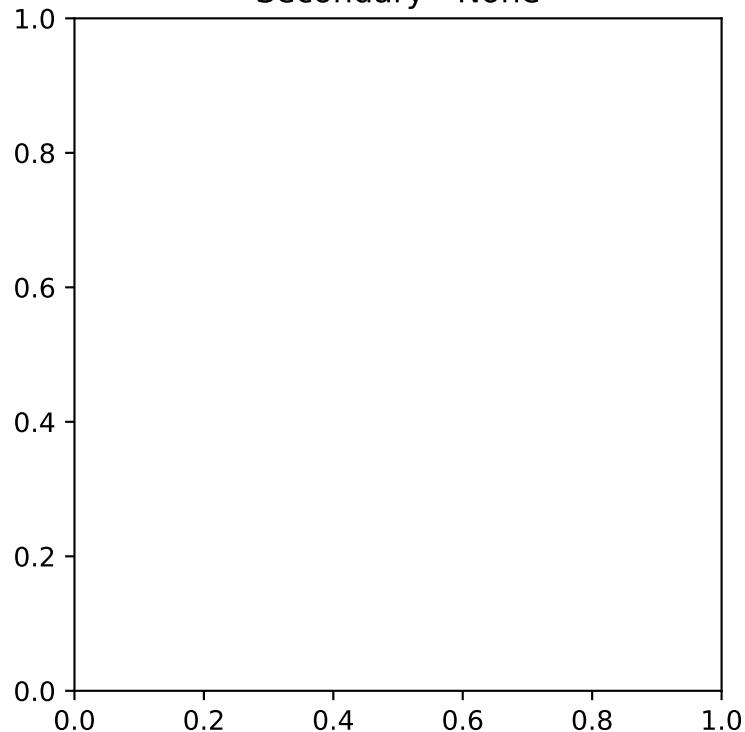# Bump Test Response Delay. Actuator ID 101
2023-11-08T07:53:32

Primary - Z
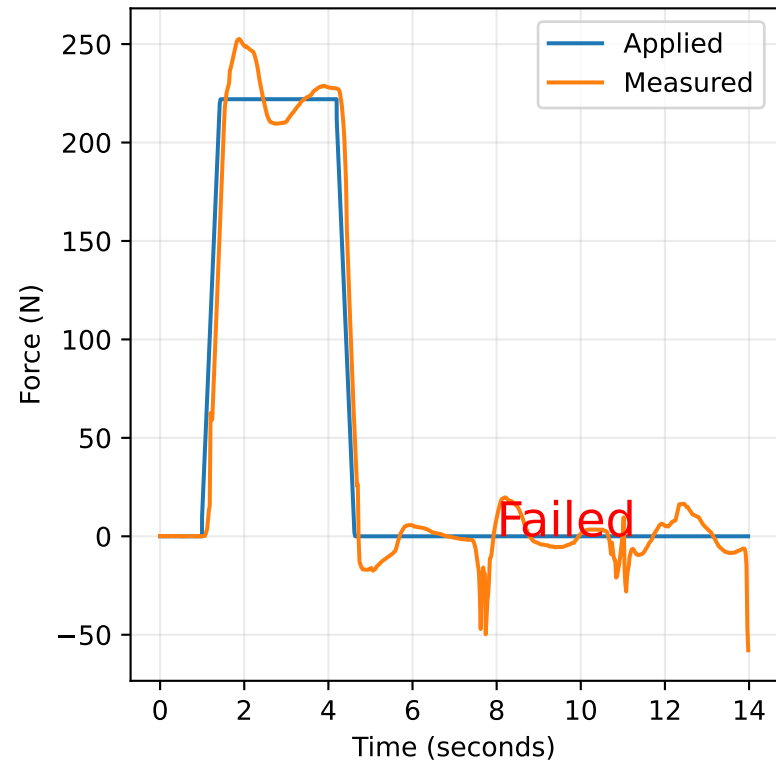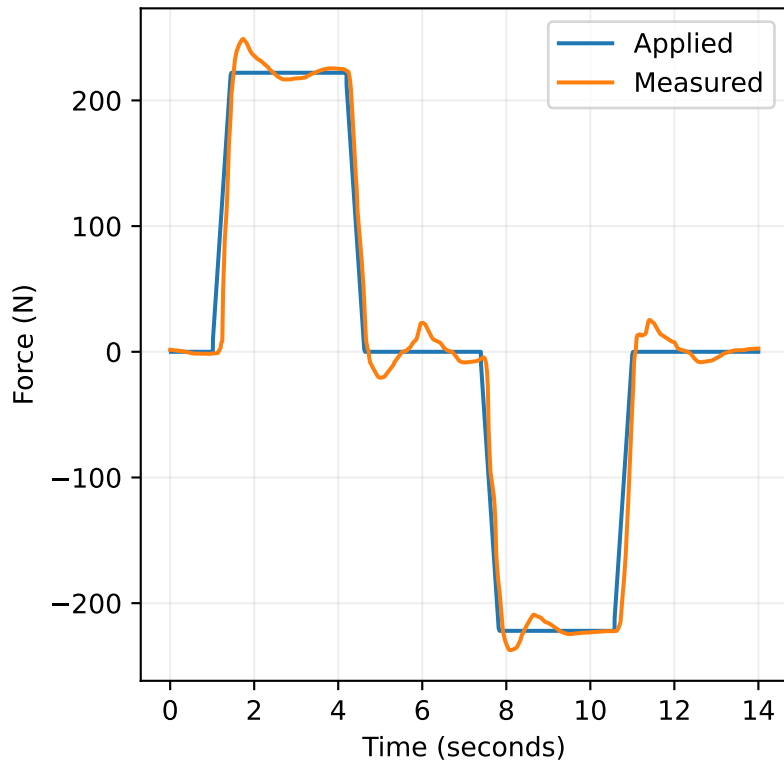
Secondary - None

Bump Test Response Delay. Actuator ID 108
2023-11-15T15:57:30

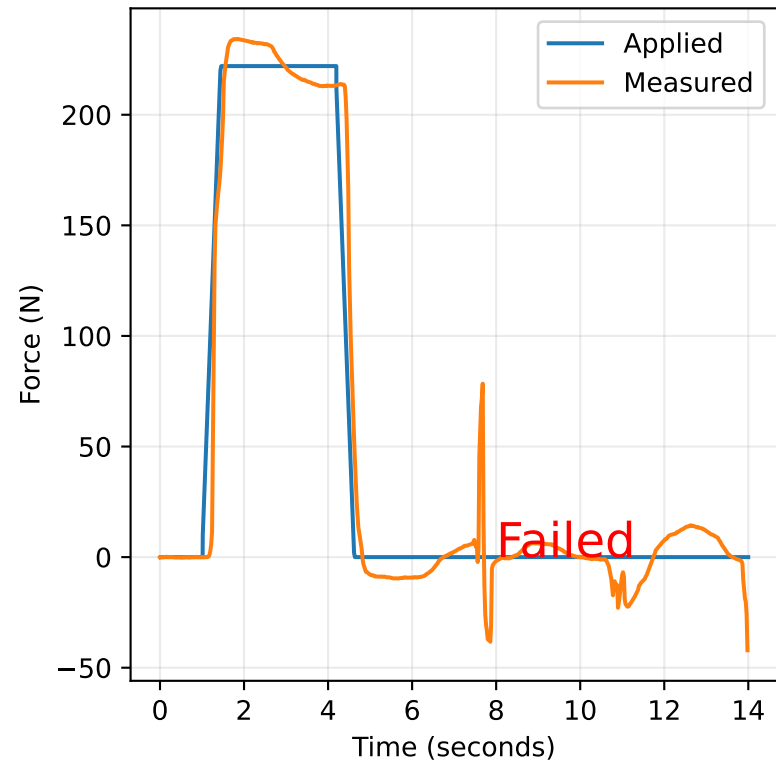# Bump Test Response Delay. Actuator ID 227
2023-11-15T16:18:52

Primary - Z

Applied
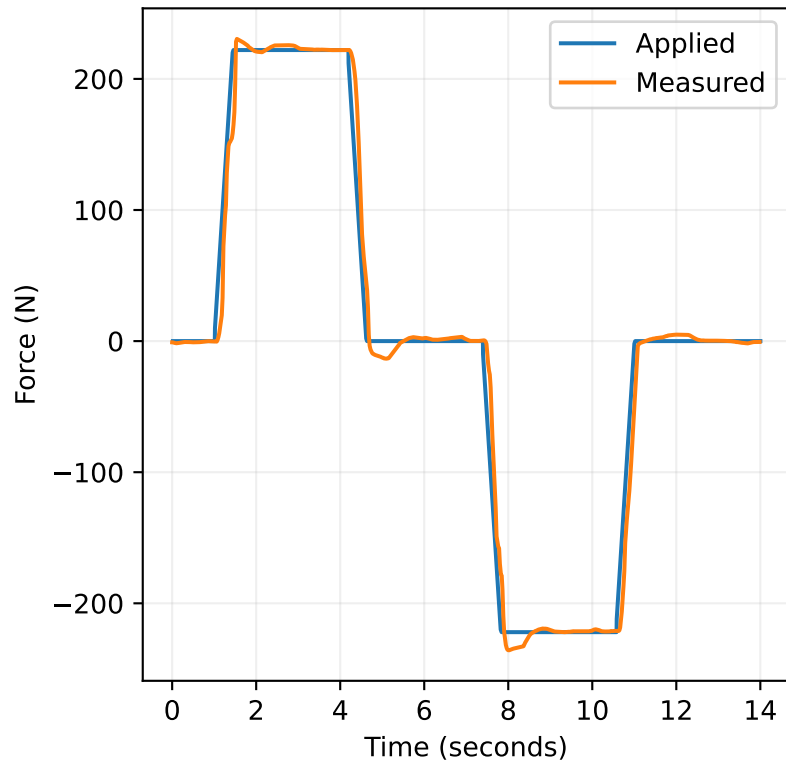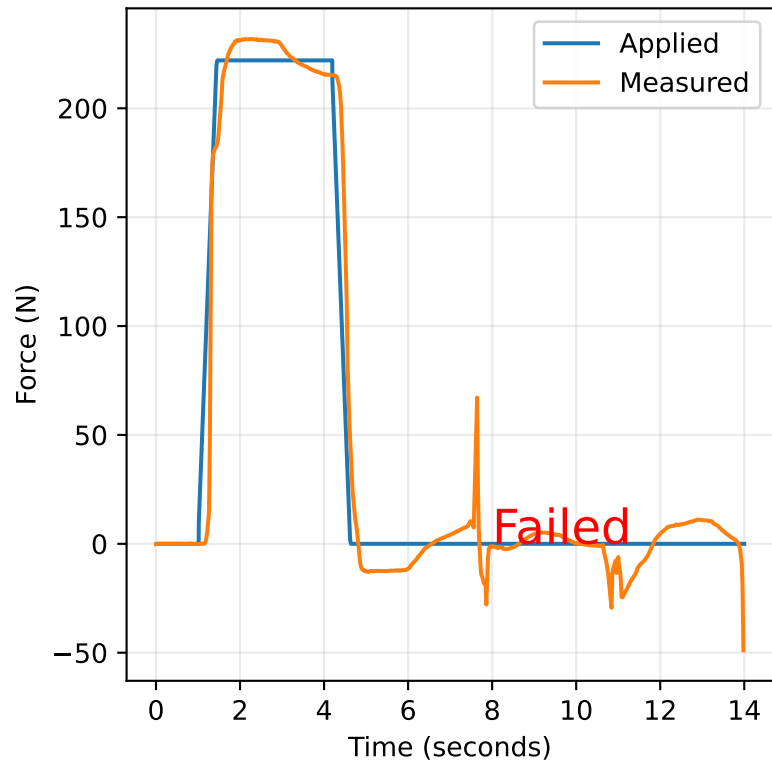Measured
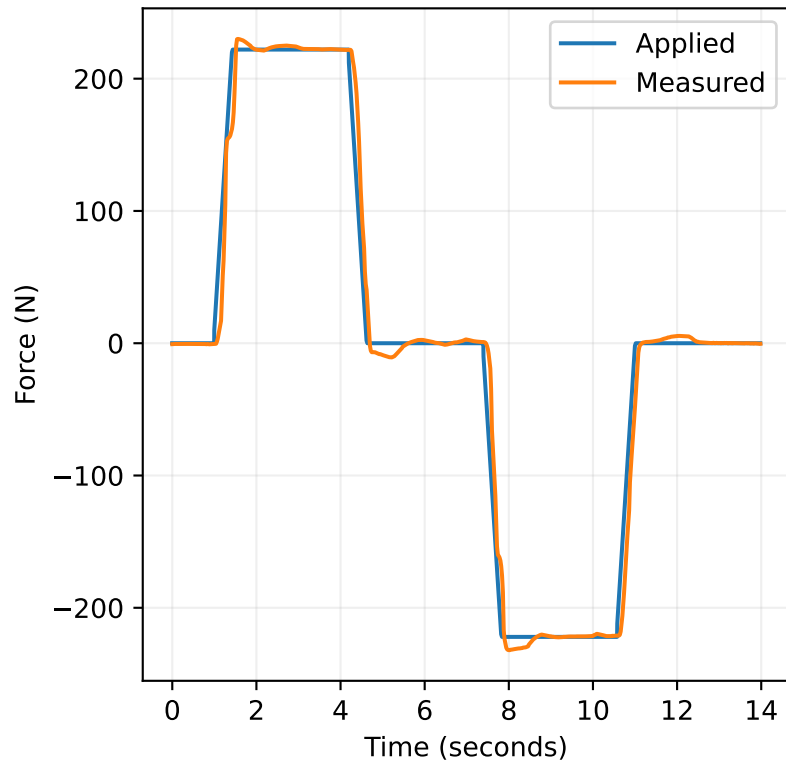
Failed

Secondary - Y_PLUS

Applied
Measured

Bump Test Response Delay. Actuator ID 227
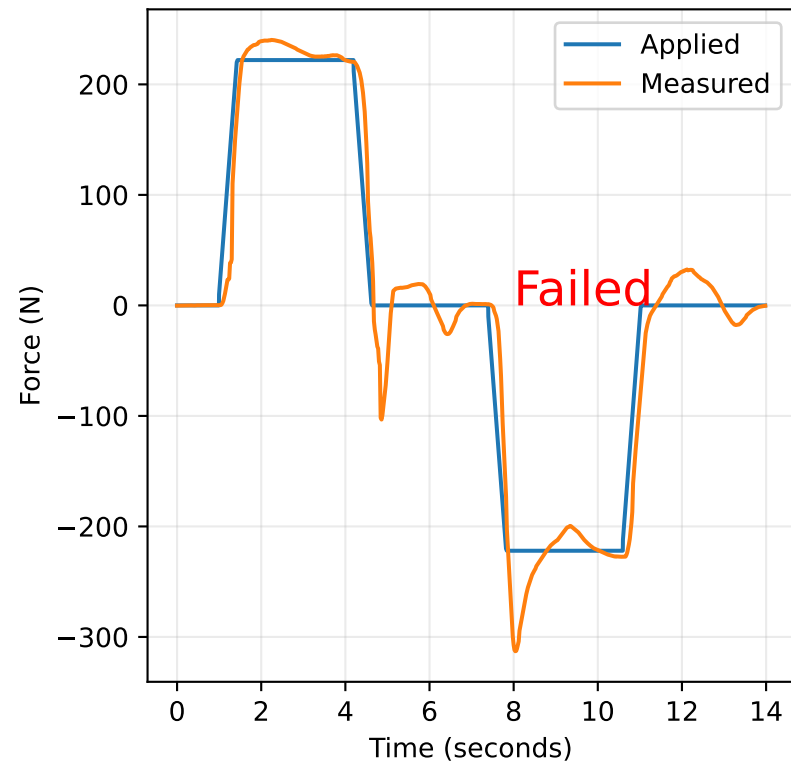## 2023-11-15T17:02:00

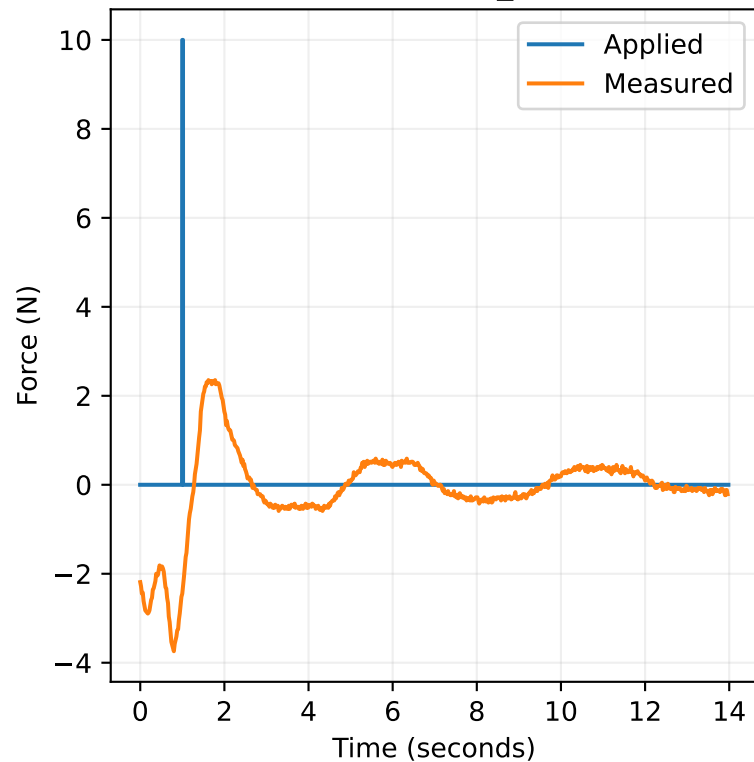
Primary - Z

Secondary - Y_PLUS

Failed

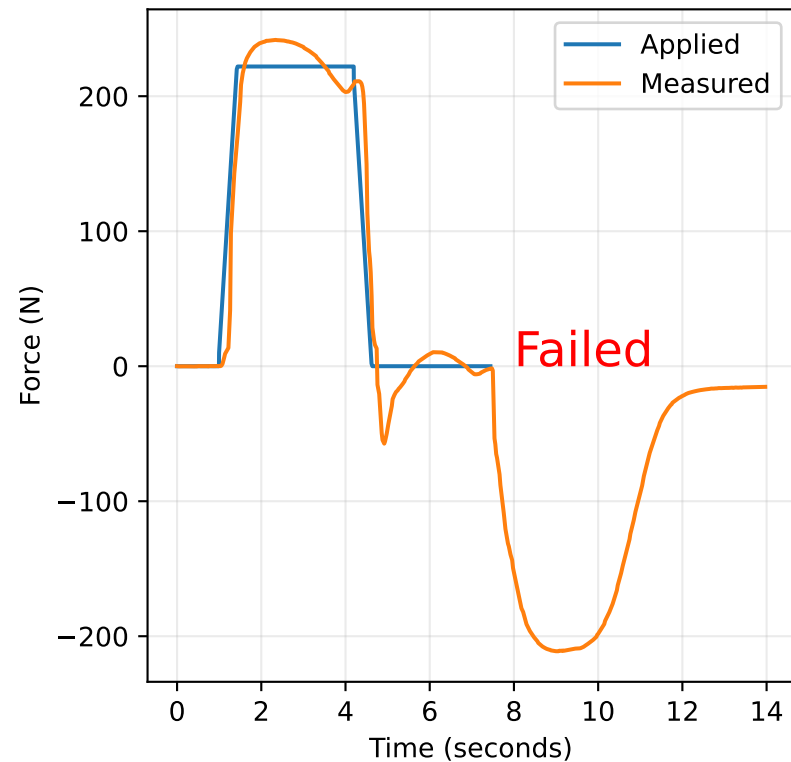# Bump Test Response Delay. Actuator ID 108
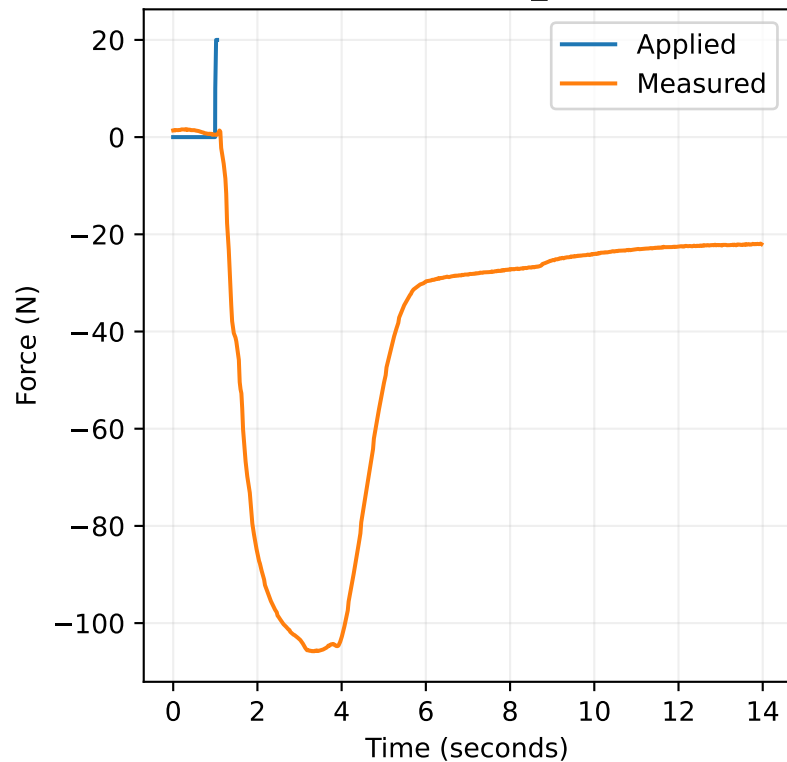## 2023-11-21T19:49:00

Primary - Z

Failed

Secondary - Y_PLUS

Bump Test Response Delay. Actuator ID 235
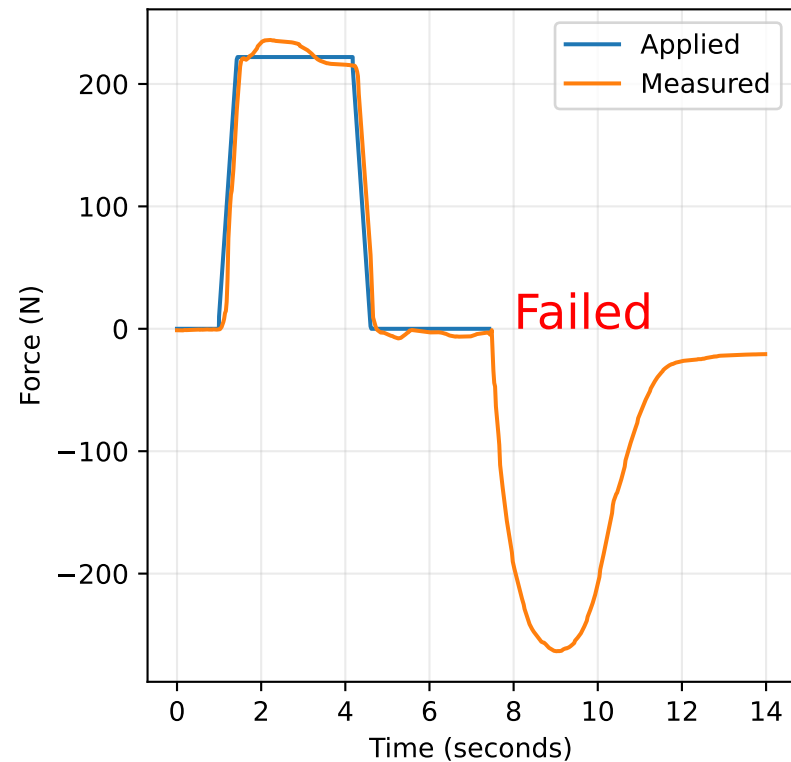2023-11-21T20:22:37
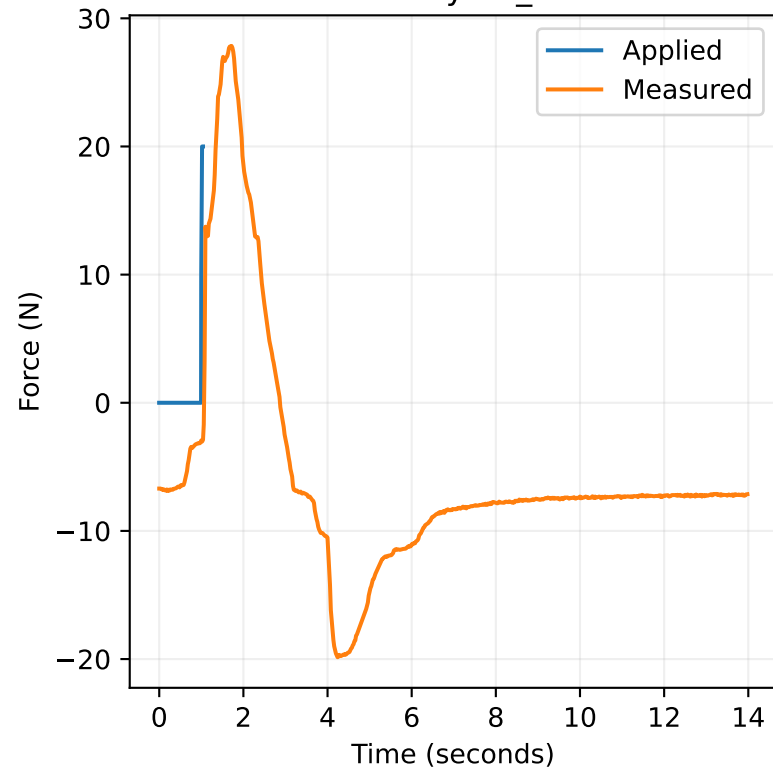
Bump Test Response Delay. Actuator ID 330
2023-11-21T20:59:50

Bump Test Response Delay. Actuator ID 410
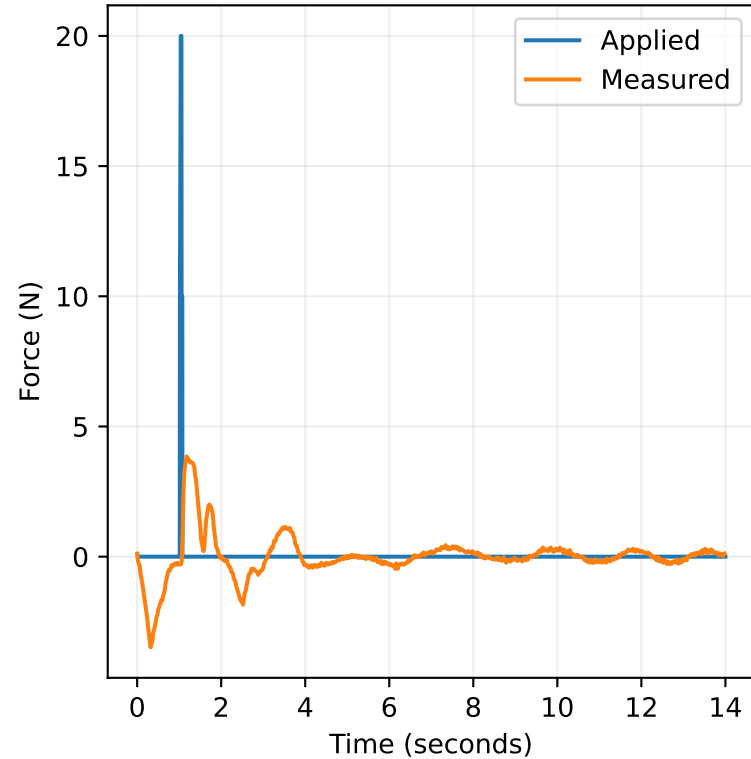2023-11-21T21:11:16
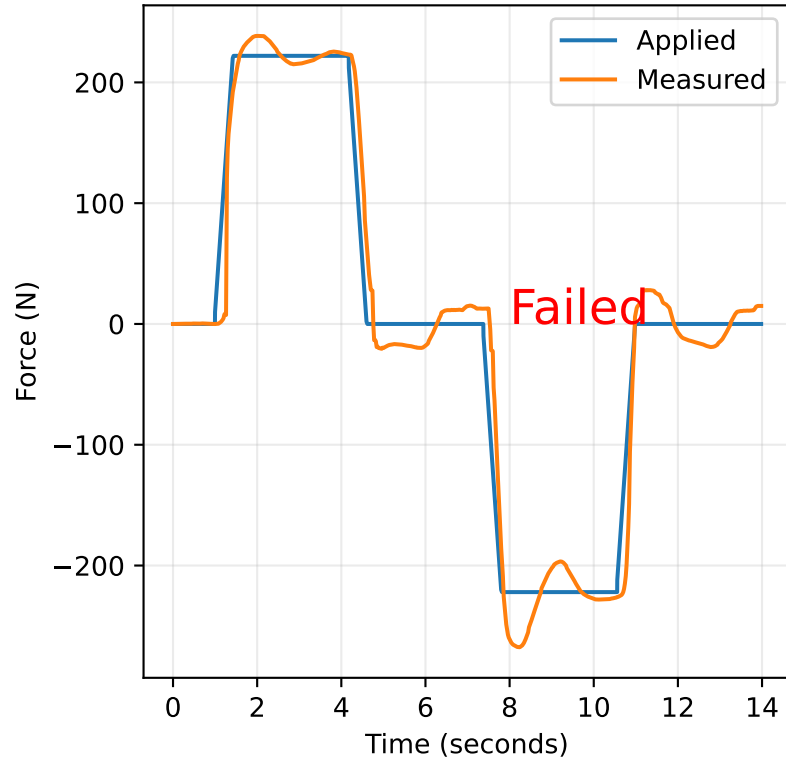
Bump Test Response Delay. Actuator ID 218
2023-11-22T21:05:25

Bump Test Response Delay. Actuator ID 227
2023-11-22T21:10:24

Primary - Z

Force (N) vs Time (seconds)

Applied
Measured

Failed

Secondary - Y_PLUS

Force (N) vs Time (seconds)

Applied
Measured

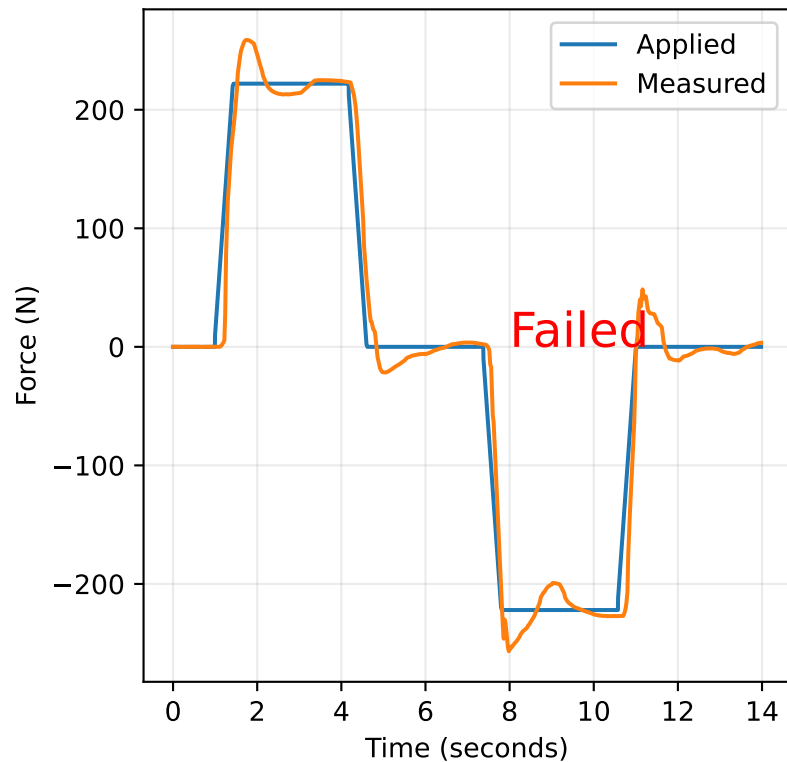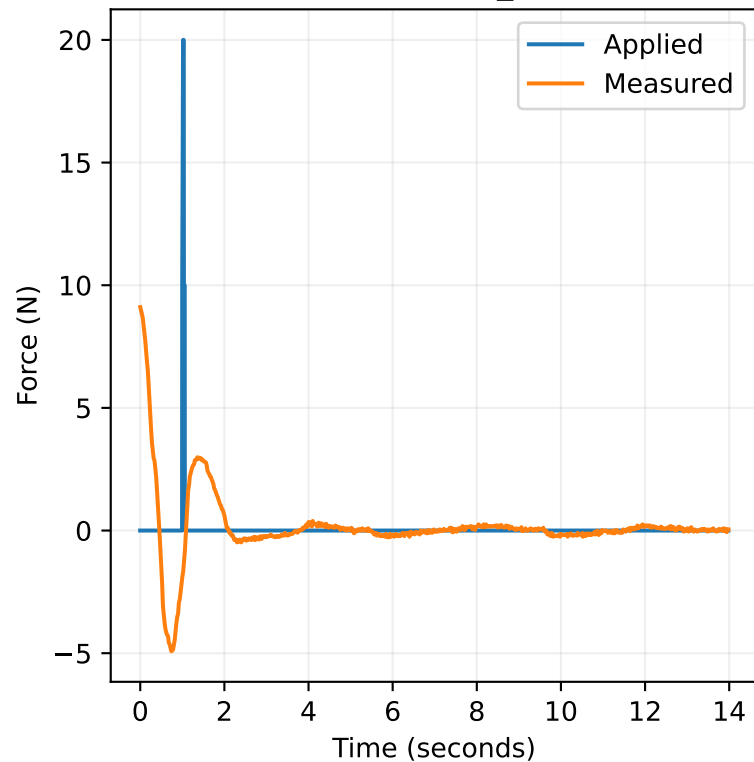# Bump Test Response Delay. Actuator ID 235
2023-11-22T21:14:45
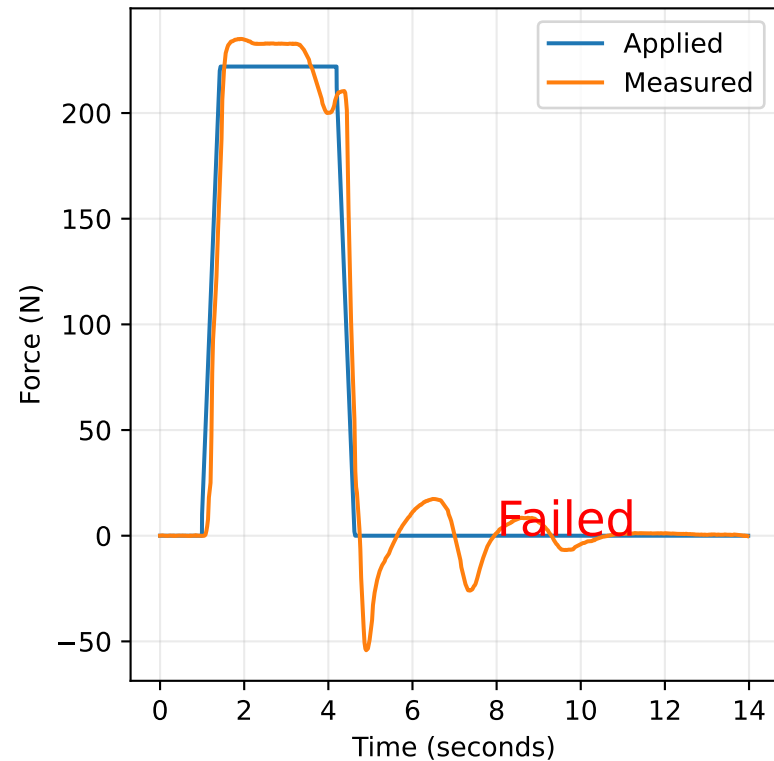
Bump Test Response Delay. Actuator ID 410
2023-11-22T22:51:43

Primary - Z

Secondary - Y_PLUS

Failed

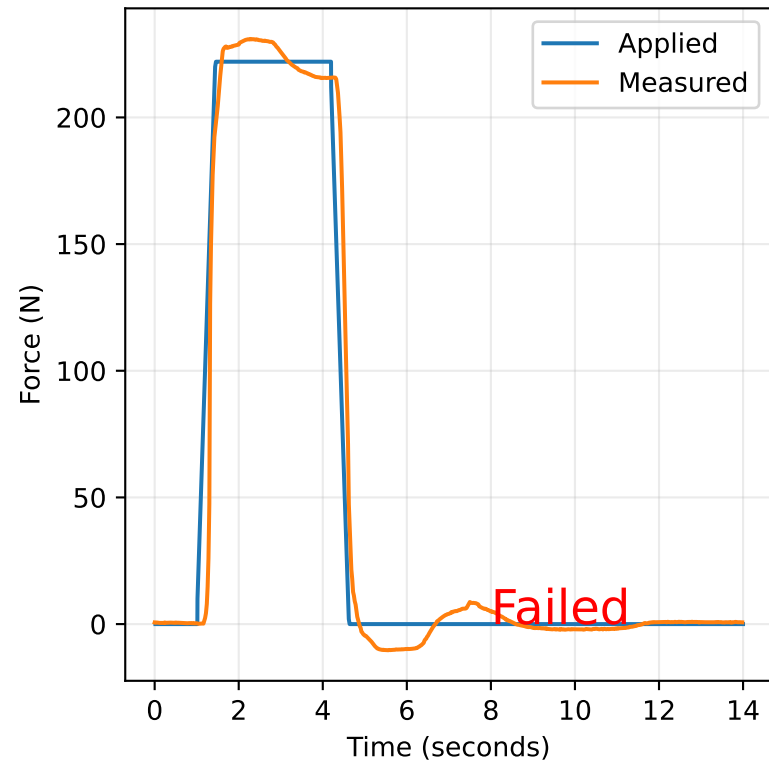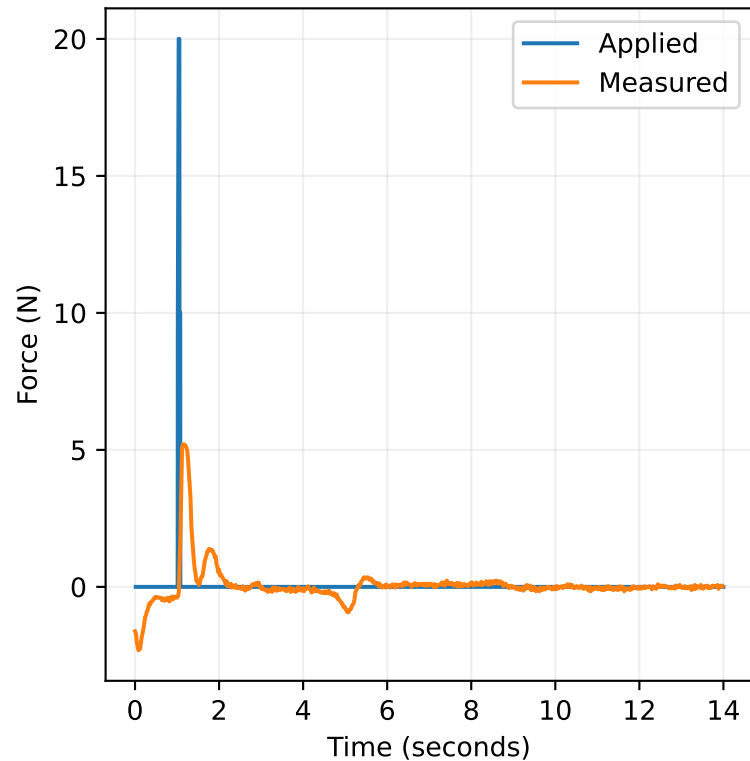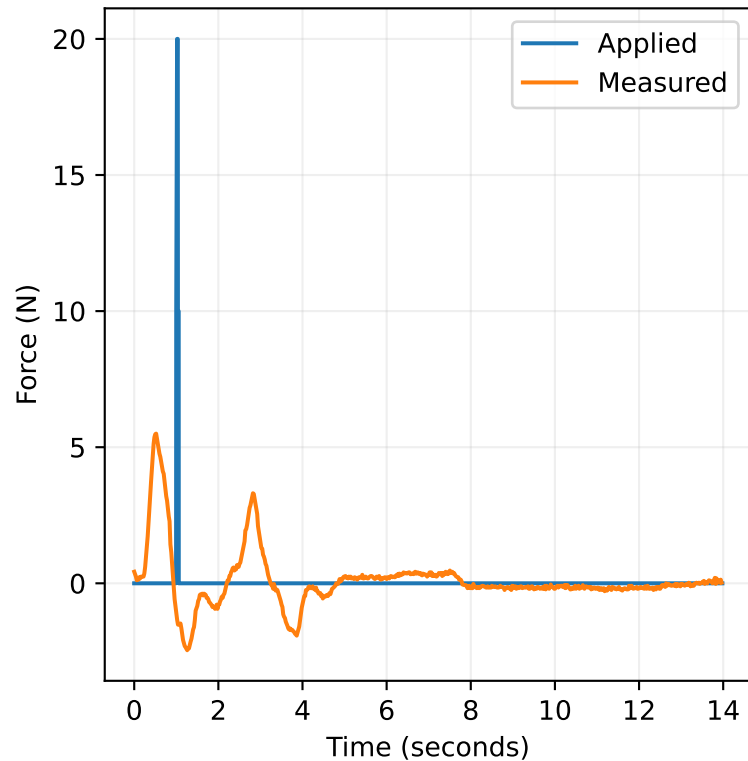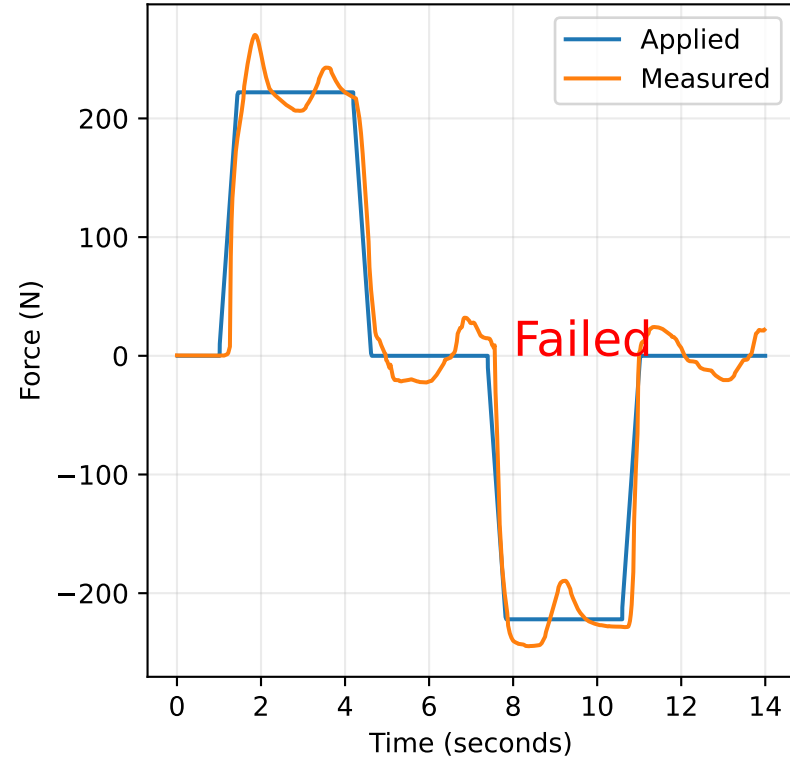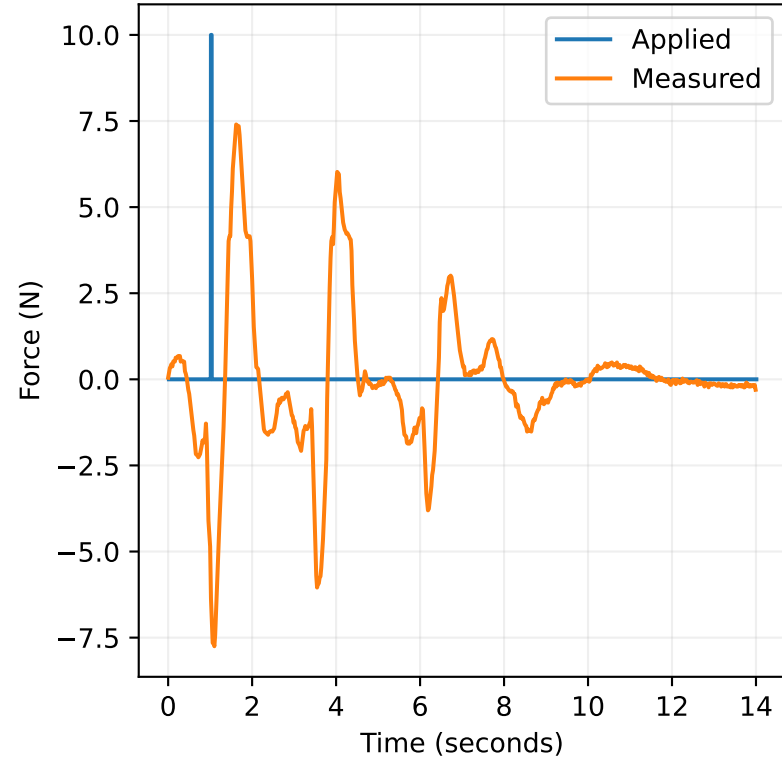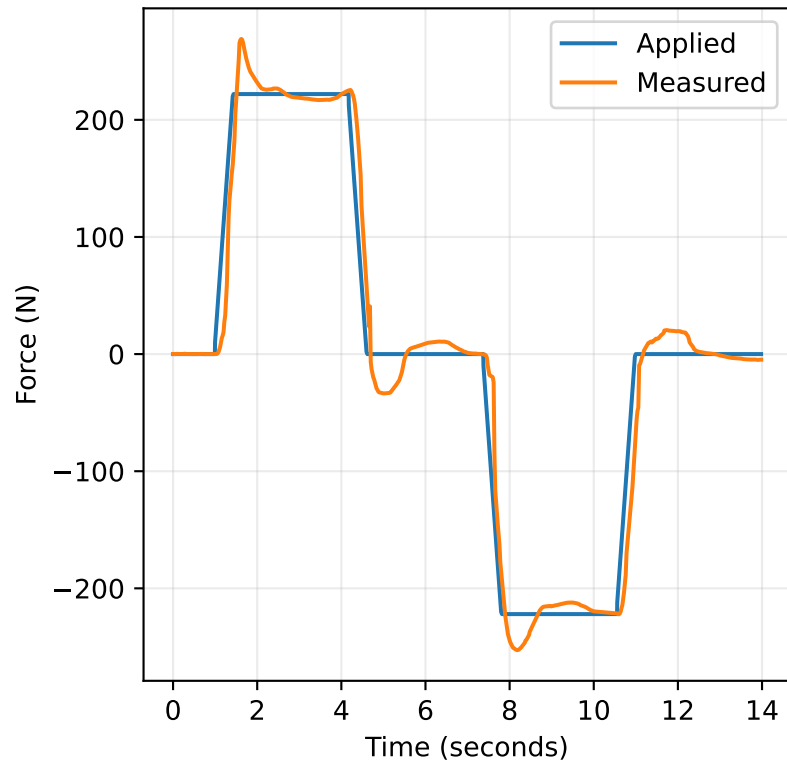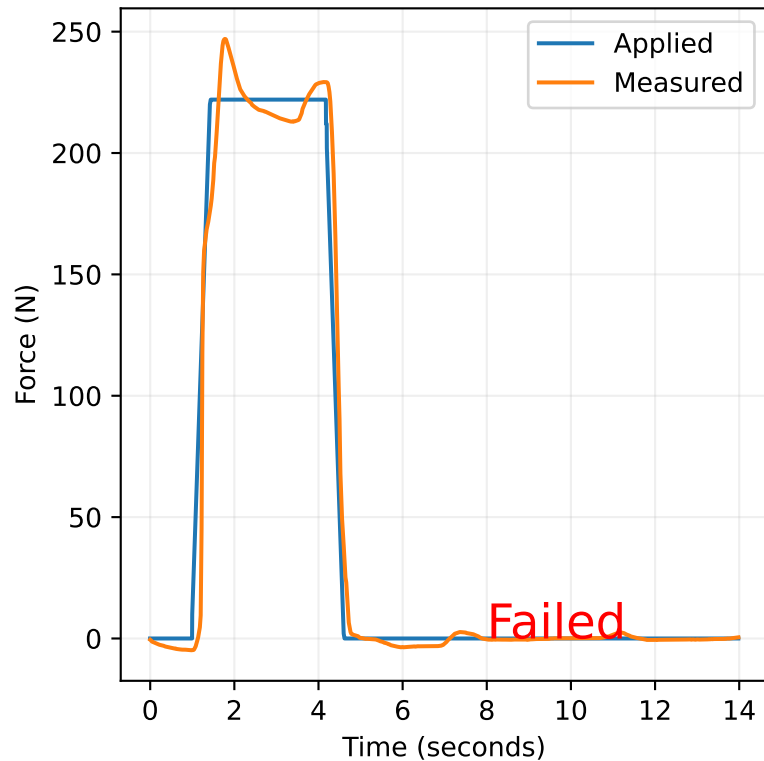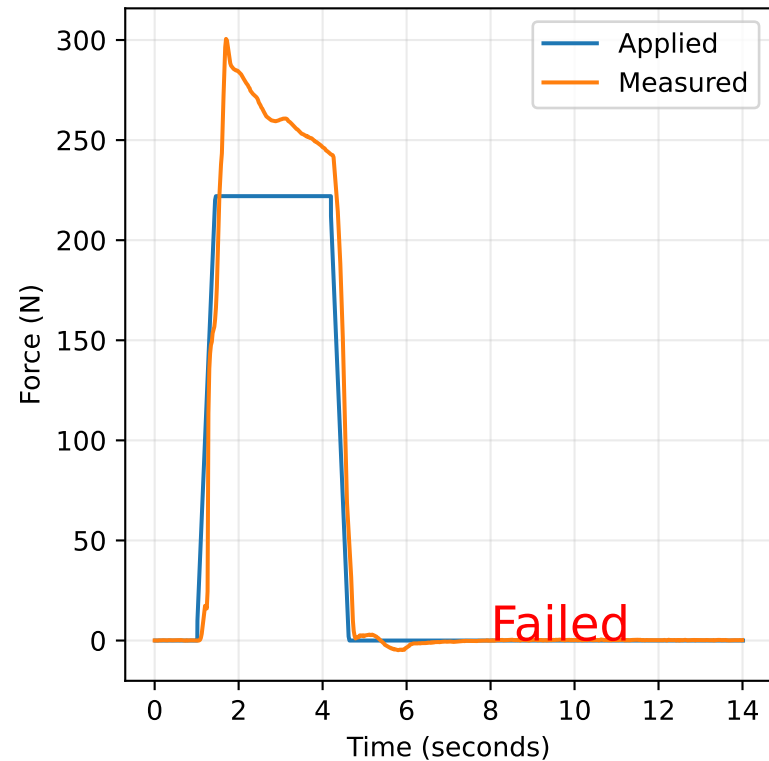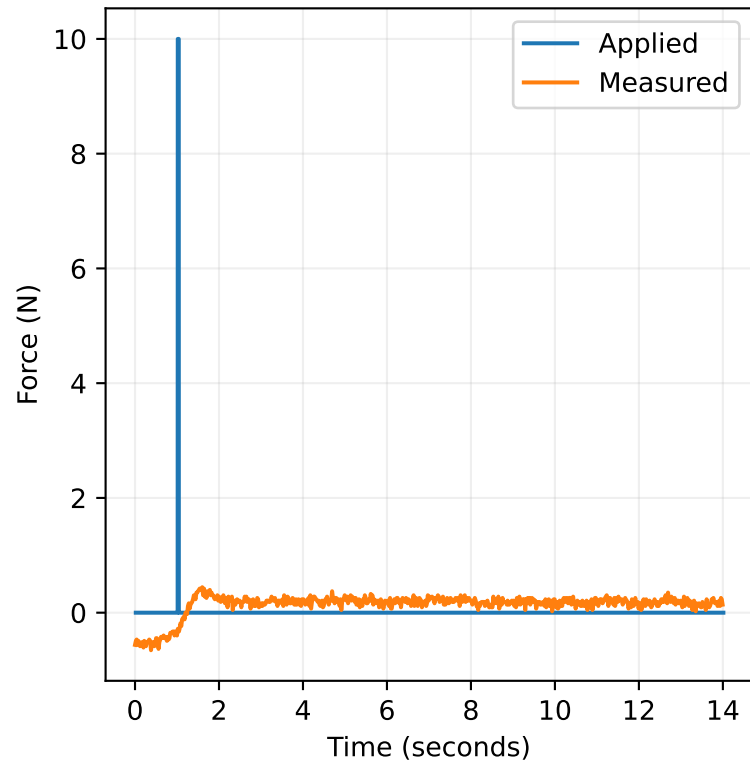# Bump Test Response Delay. Actuator ID 238
2023-11-23T23:18:59

Primary - Z

Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 327
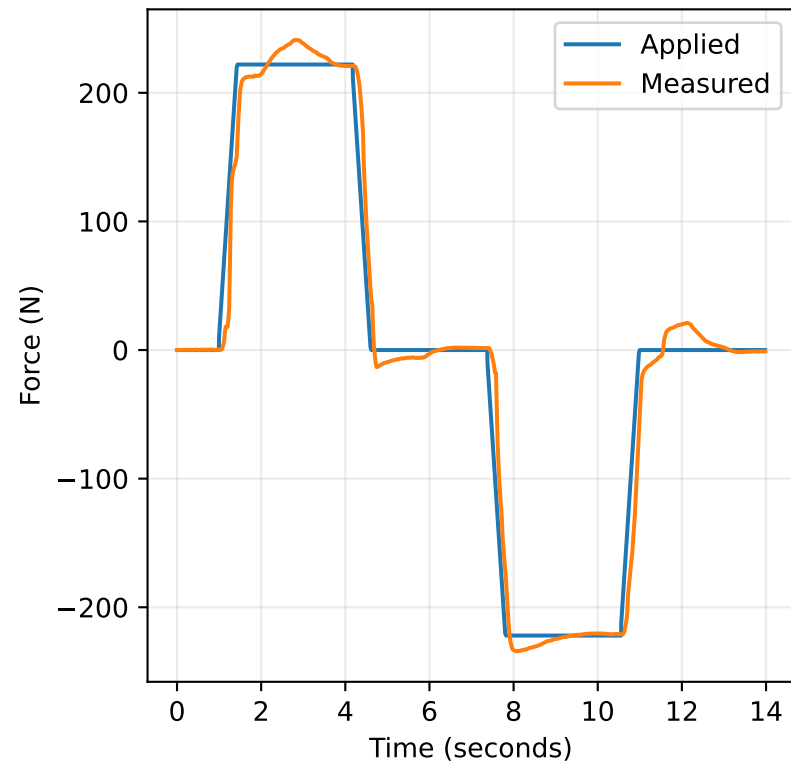## 2023-11-23T23:32:06

Primary - Z

Force (N) vs Time (seconds)

Applied
Measured

Failed

Secondary - Y_PLUS

Force (N) vs Time (seconds)

Applied
Measured
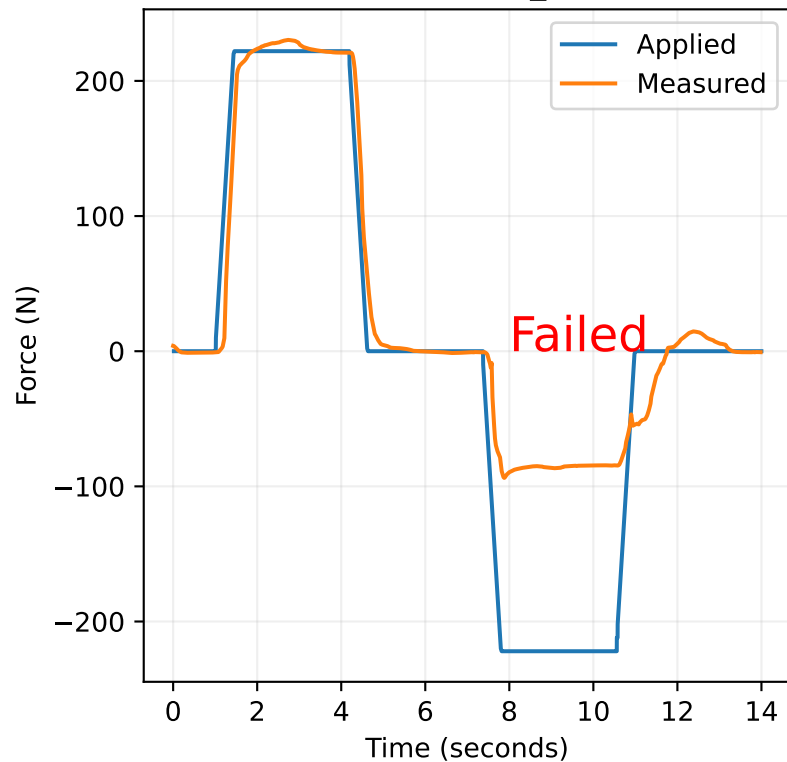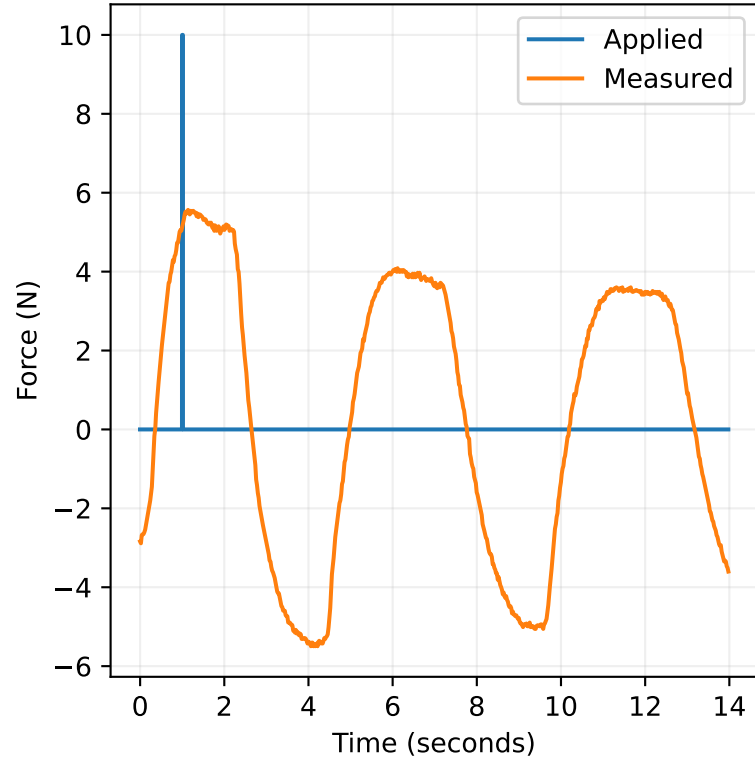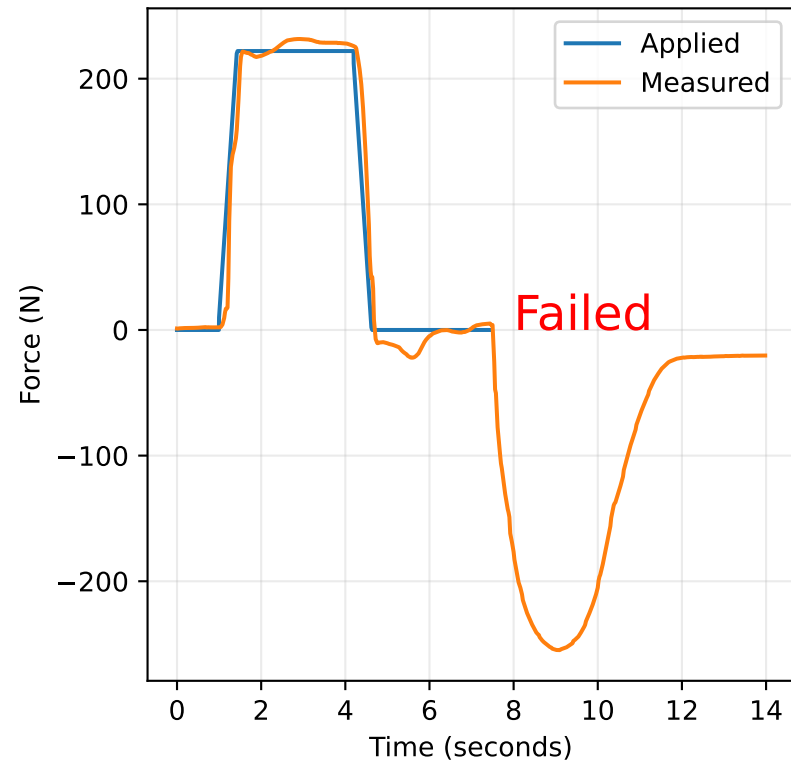
Bump Test Response Delay. Actuator ID 327
2023-11-23T23:42:13

Bump Test Response Delay. Actuator ID 330
2023-11-23T23:43:36

Primary - Z

Force (N)

Applied
Measured

Failed
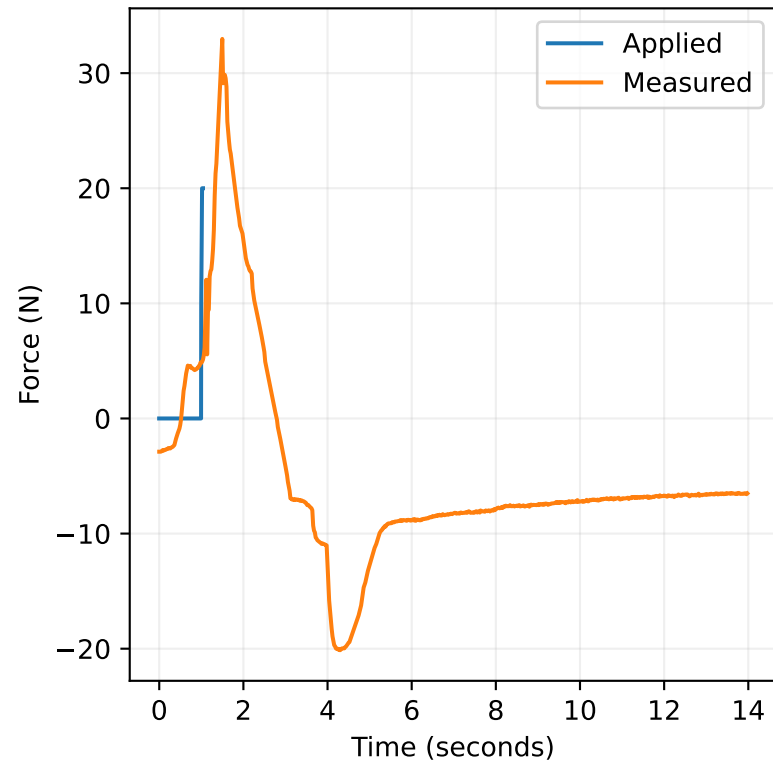
Time (seconds)

Secondary - Y_PLUS

Force (N)

Applied
Measured

Time (seconds)
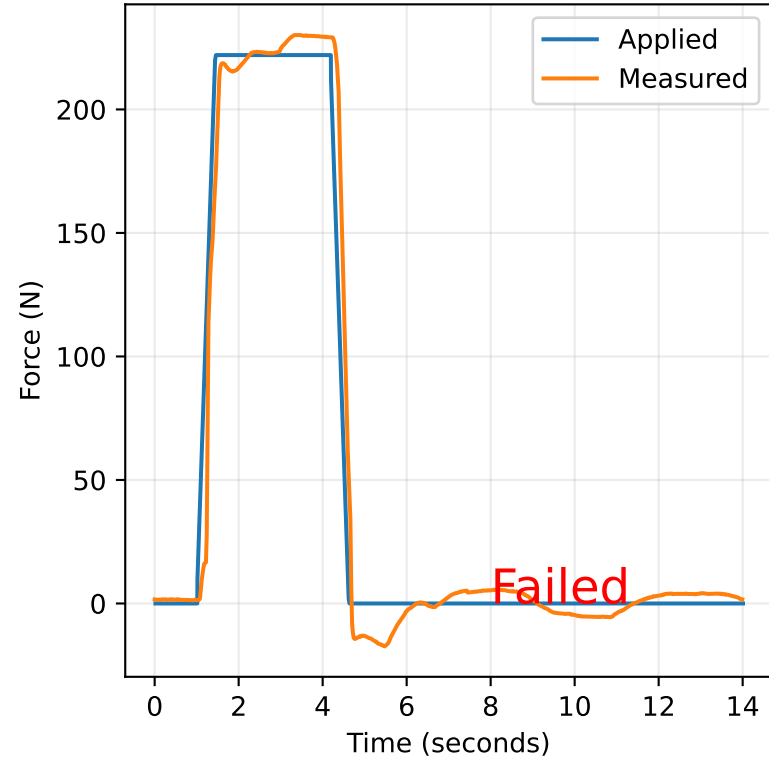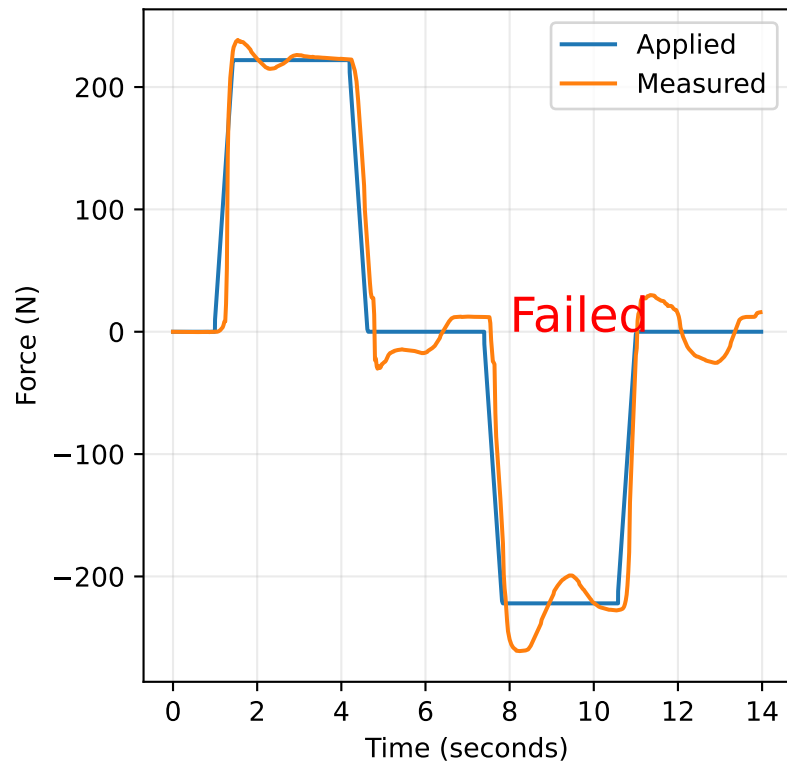
Bump Test Response Delay. Actuator ID 330
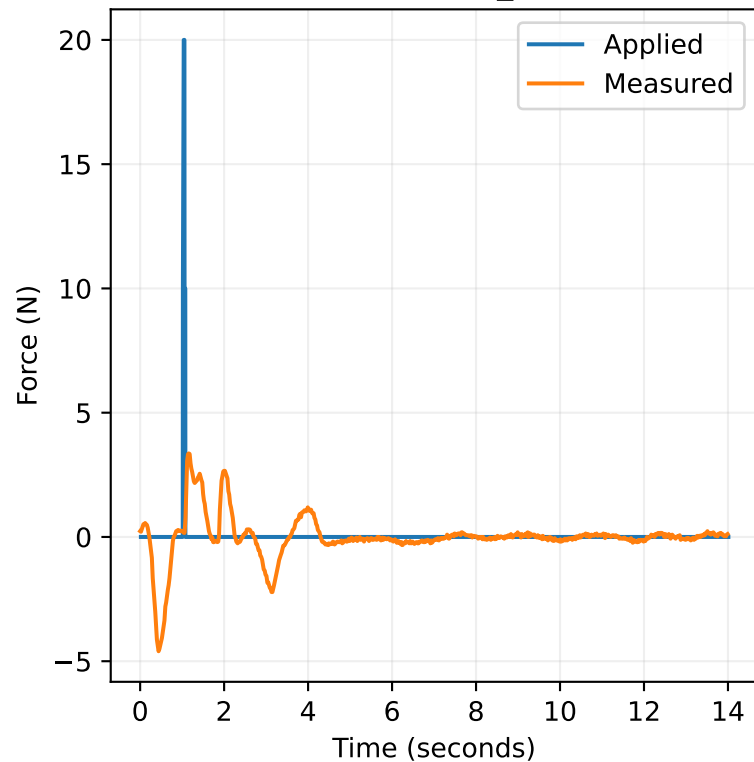2023-11-23T23:46:09

Bump Test Response Delay. Actuator ID 410
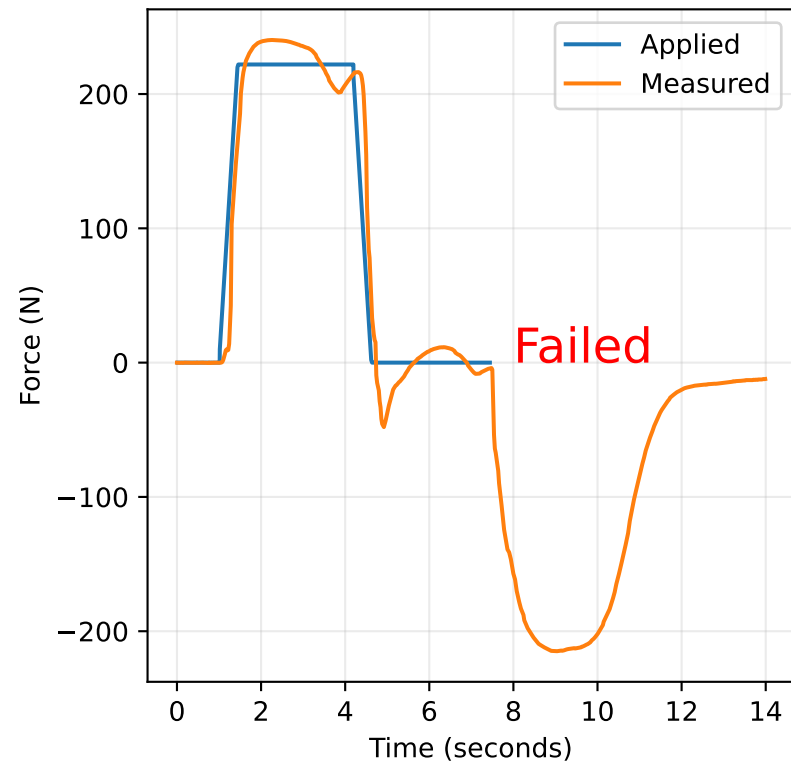## 2023-11-24T00:35:23

Primary - Z
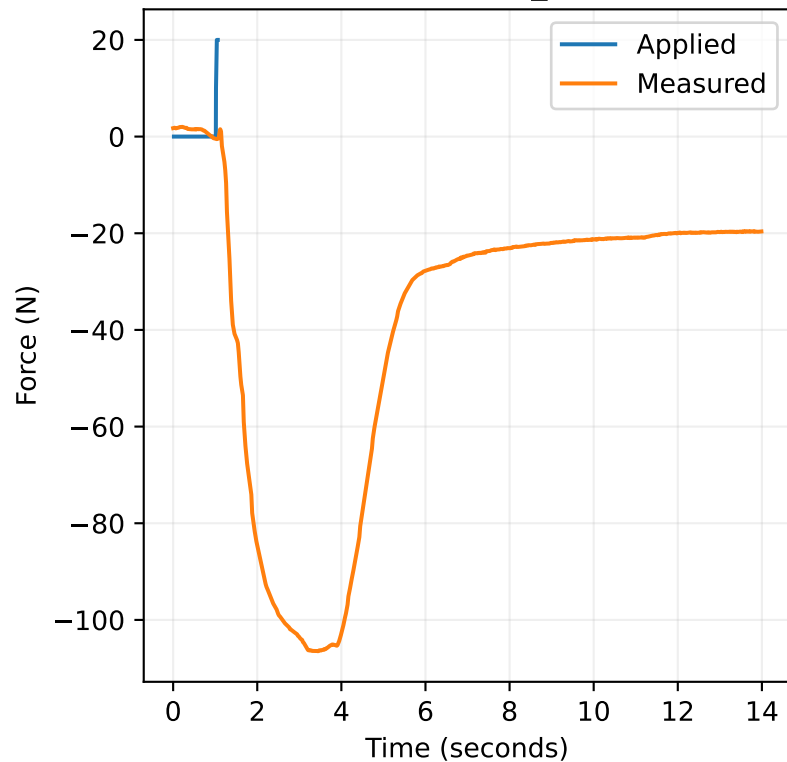
Secondary - Y_PLUS

Bump Test Response Delay. Actuator ID 235
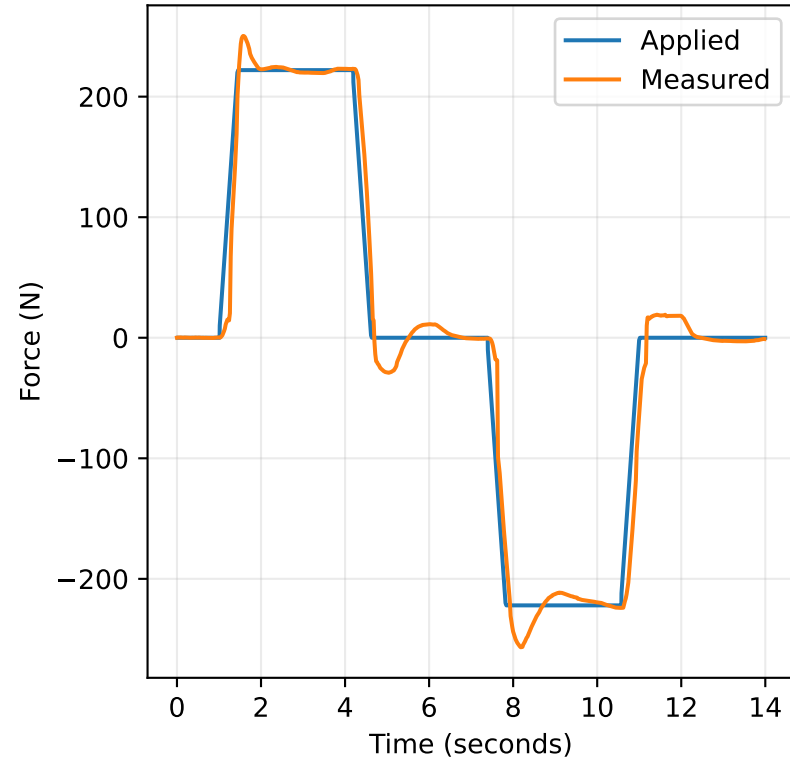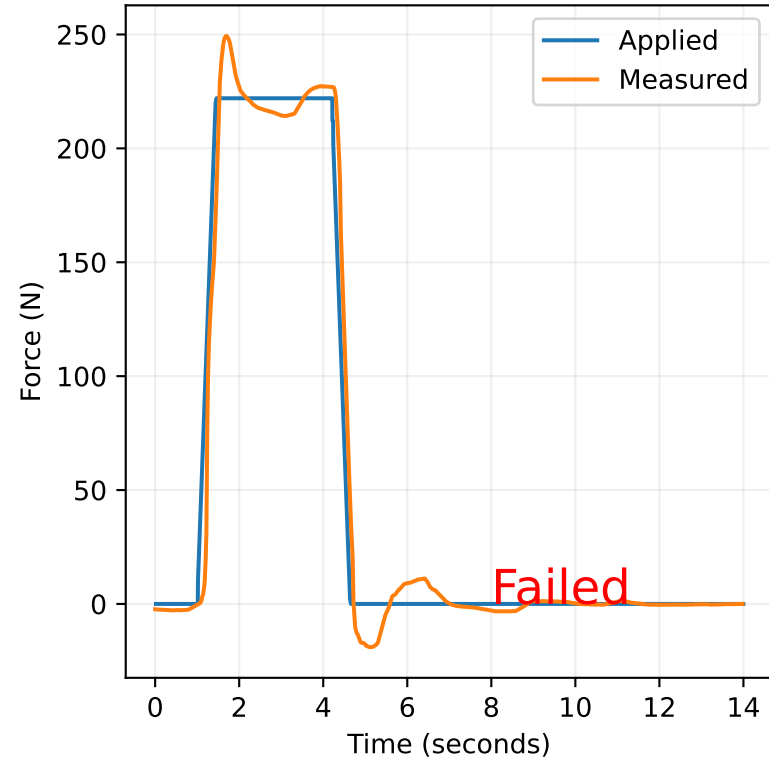2023-11-24T19:07:00

Primary - Z

Secondary - X_PLUS

Failed

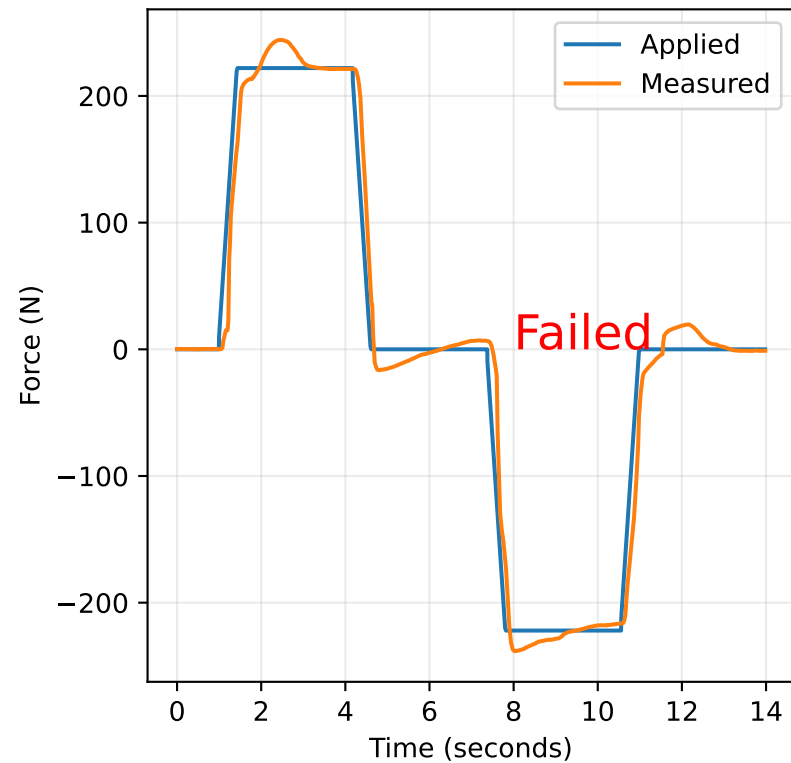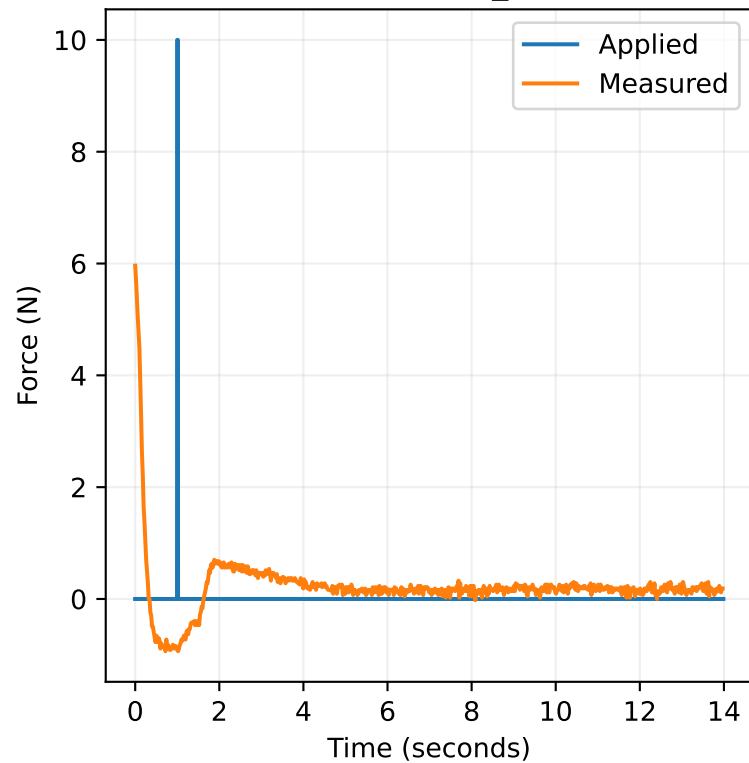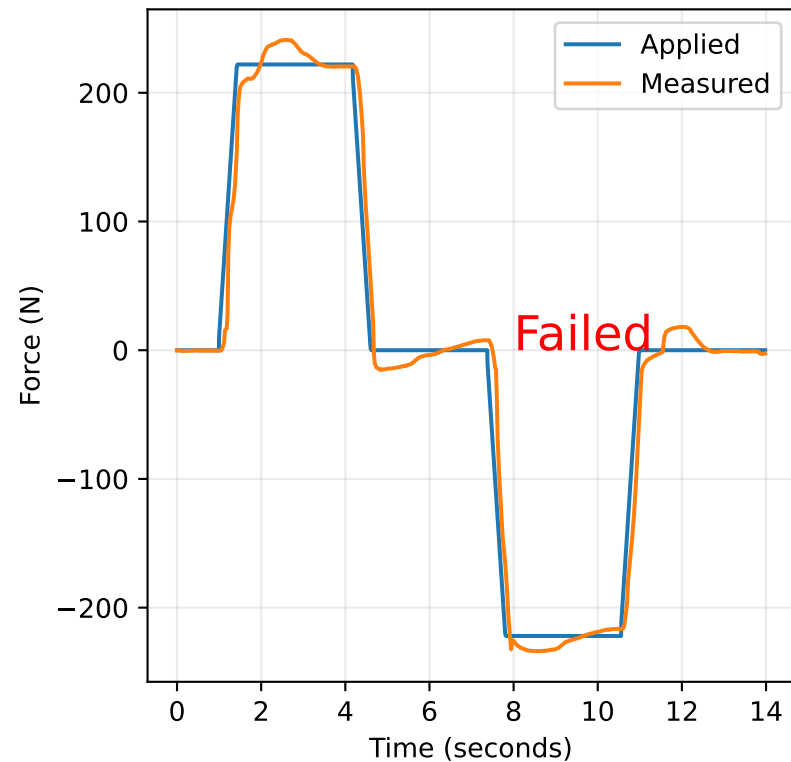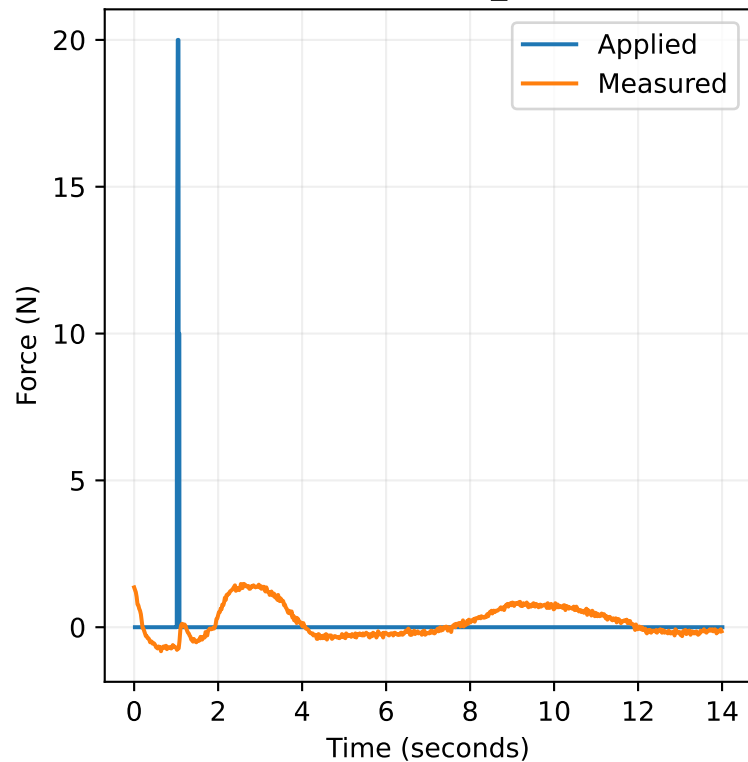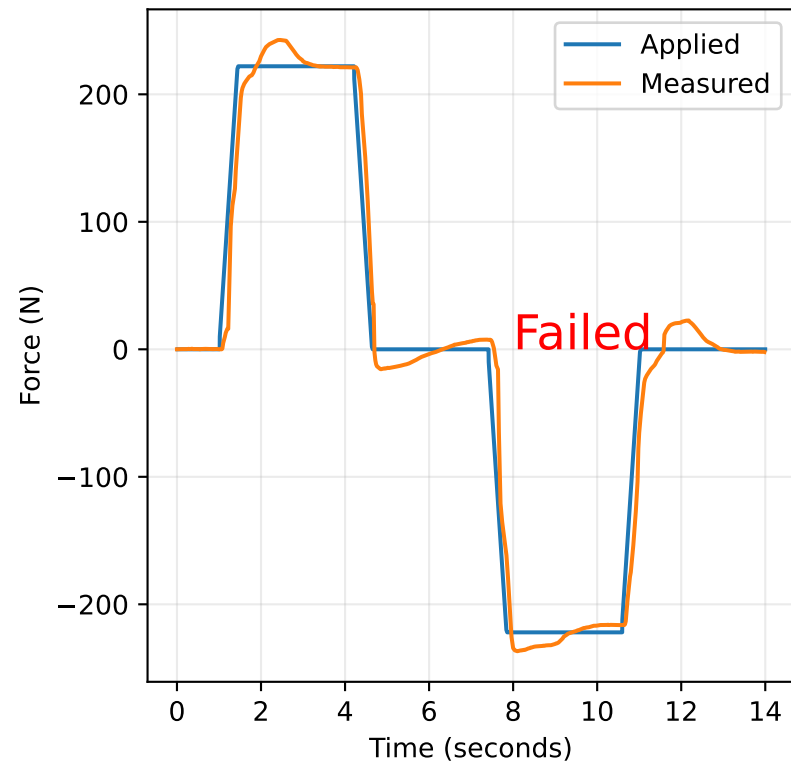Bump Test Response Delay. Actuator ID 238
2023-11-24T19:13:41

Bump Test Response Delay. Actuator ID 327
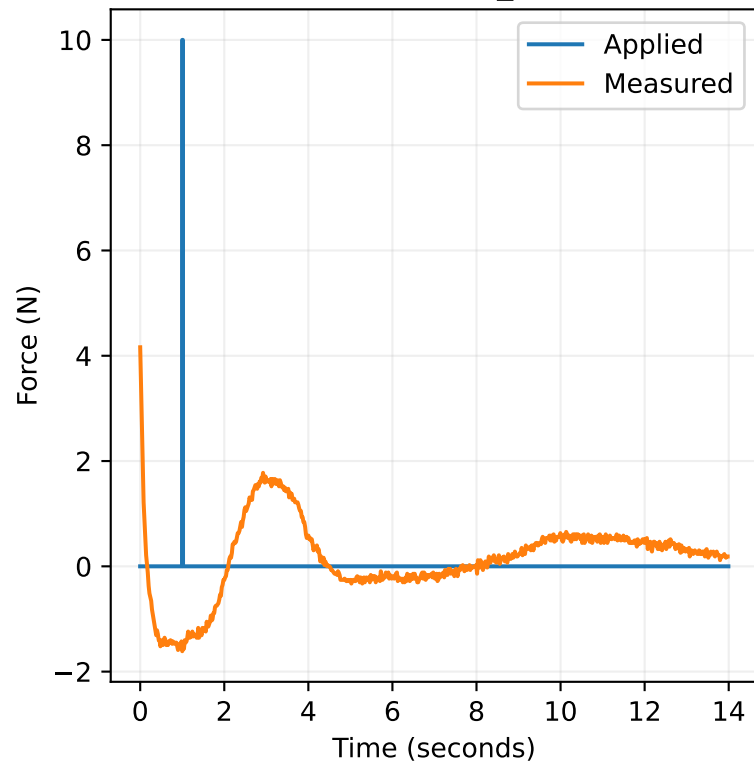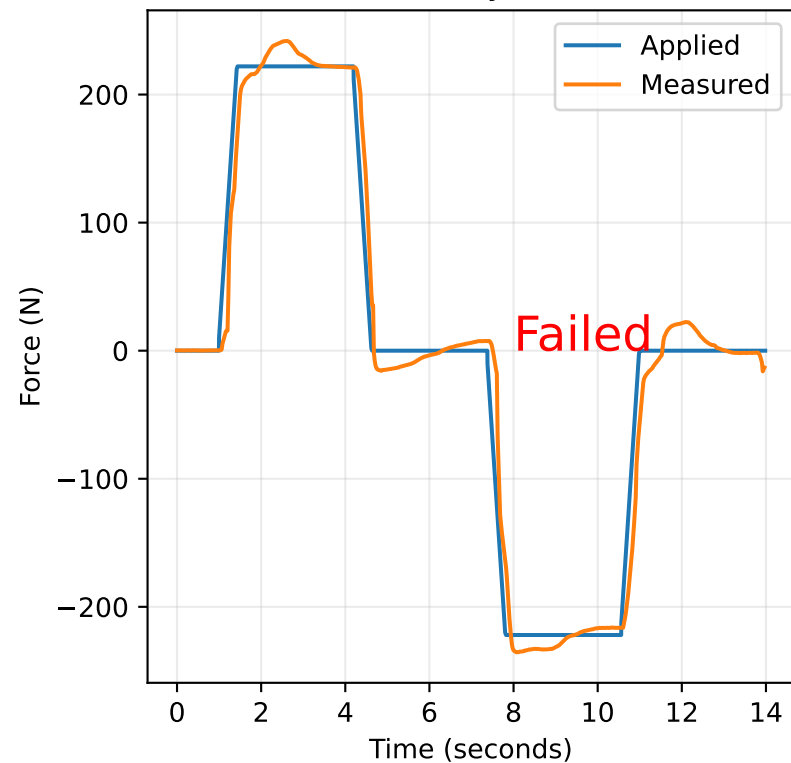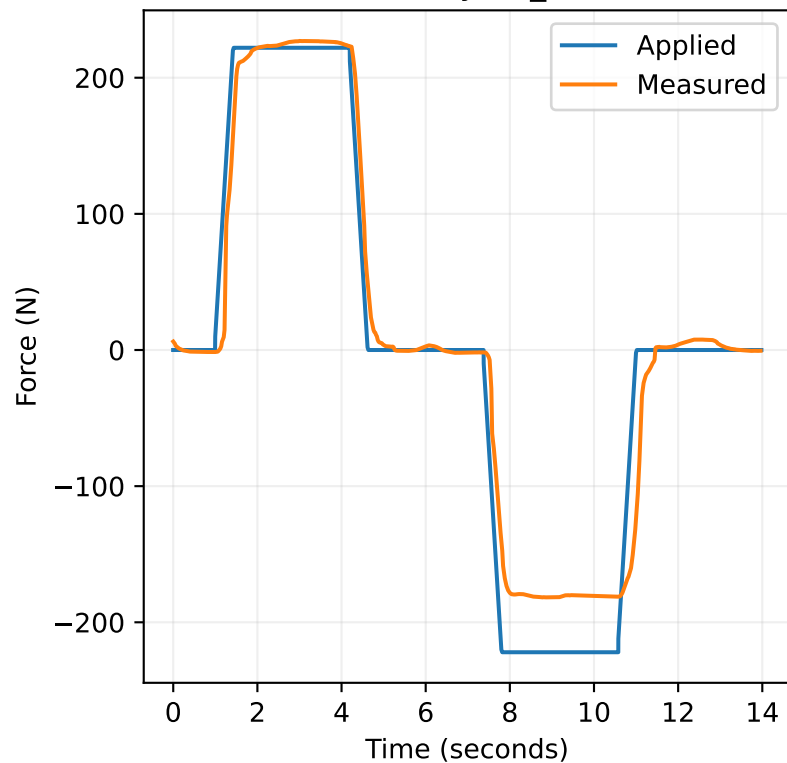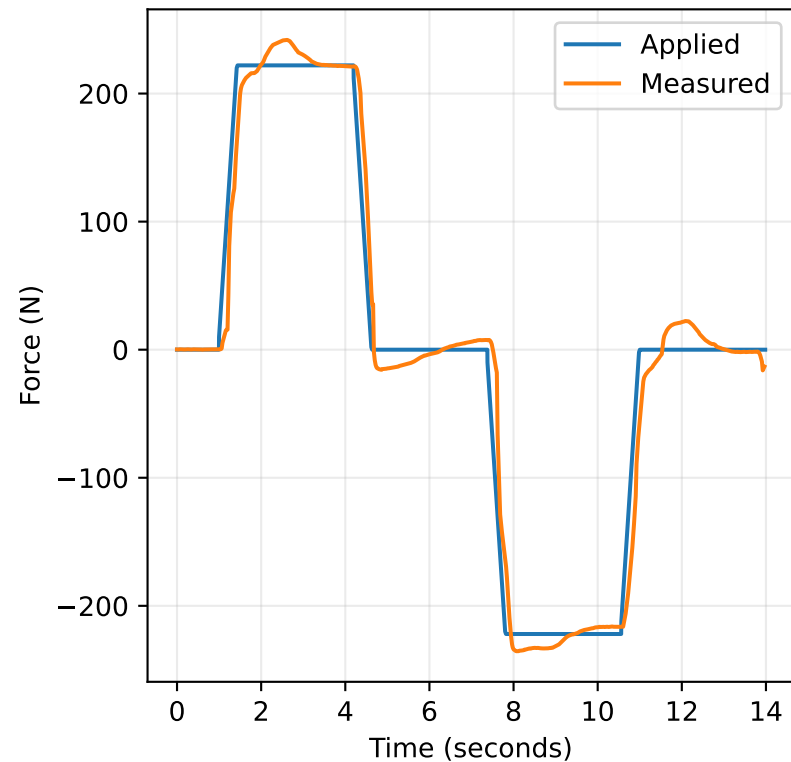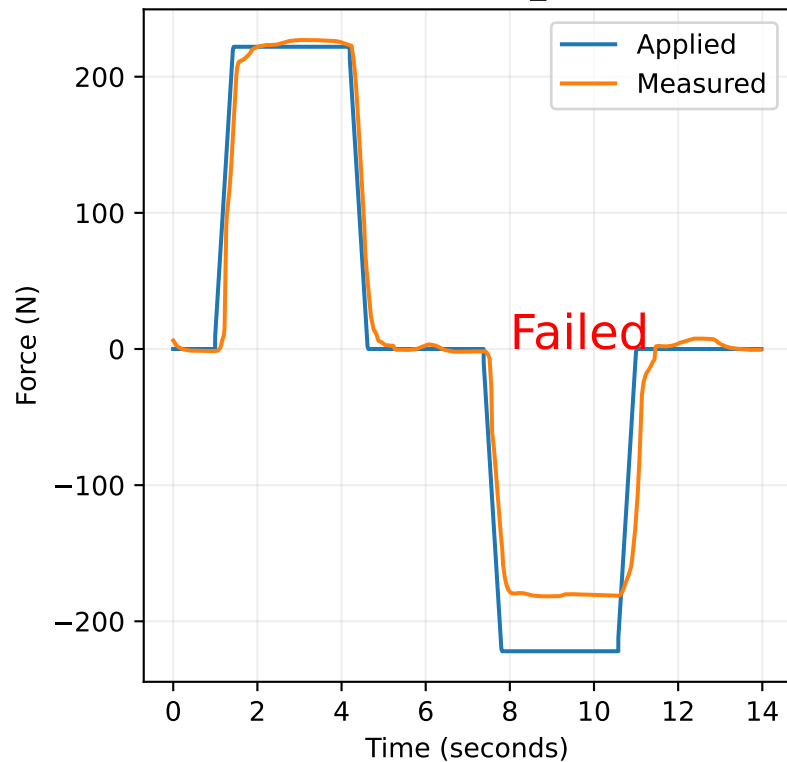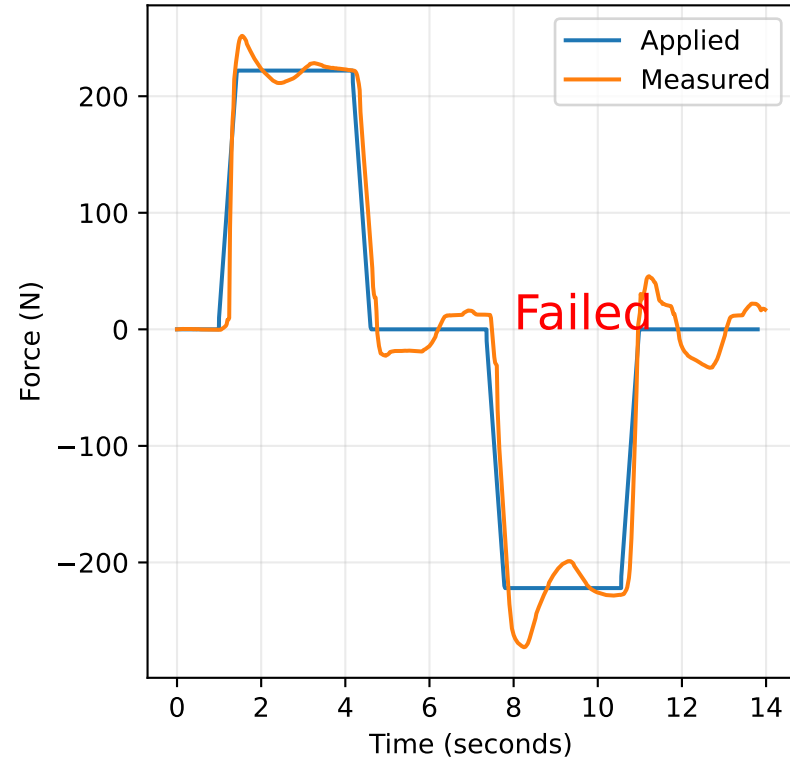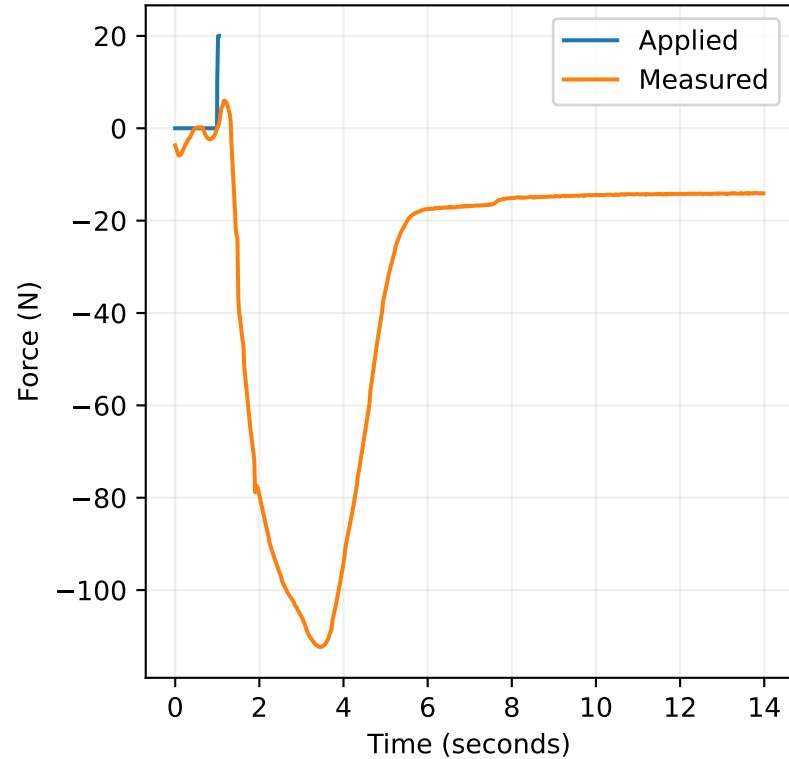2023-11-24T19:26:47

Bump Test Response Delay. Actuator ID 327
2023-11-27T20:37:11

Primary - Z

Failed

Secondary - Y_PLUS

Bump Test Response Delay. Actuator ID 327
2023-11-27T20:43:50

Bump Test Response Delay. Actuator ID 327
2023-11-27T20:53:37

Bump Test Response Delay. Actuator ID 327
2023-11-27T20:53:37

Bump Test Response Delay. Actuator ID 410
2023-11-27T21:07:25

Primary - Z

Applied
Measured

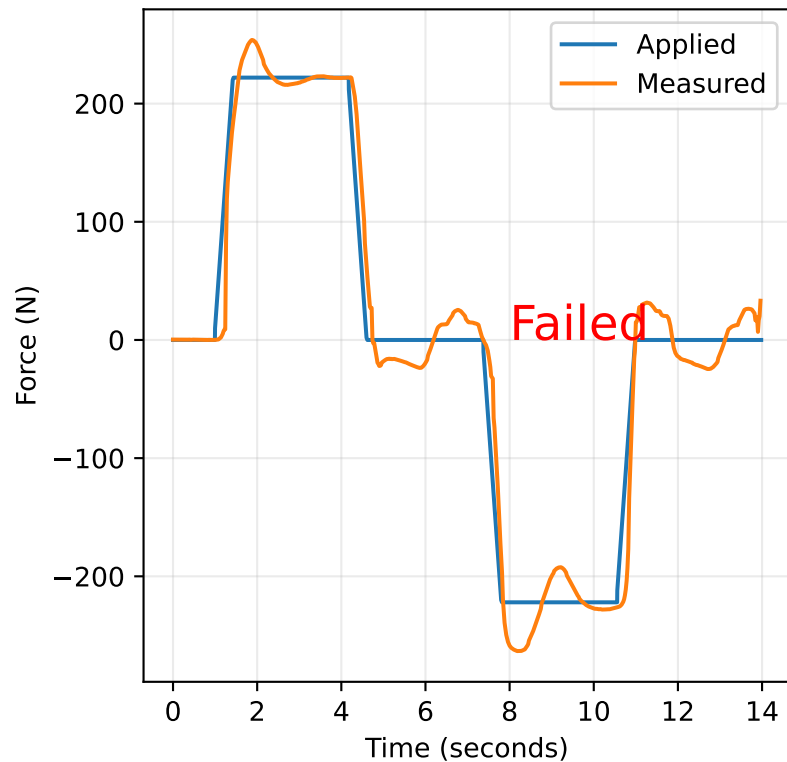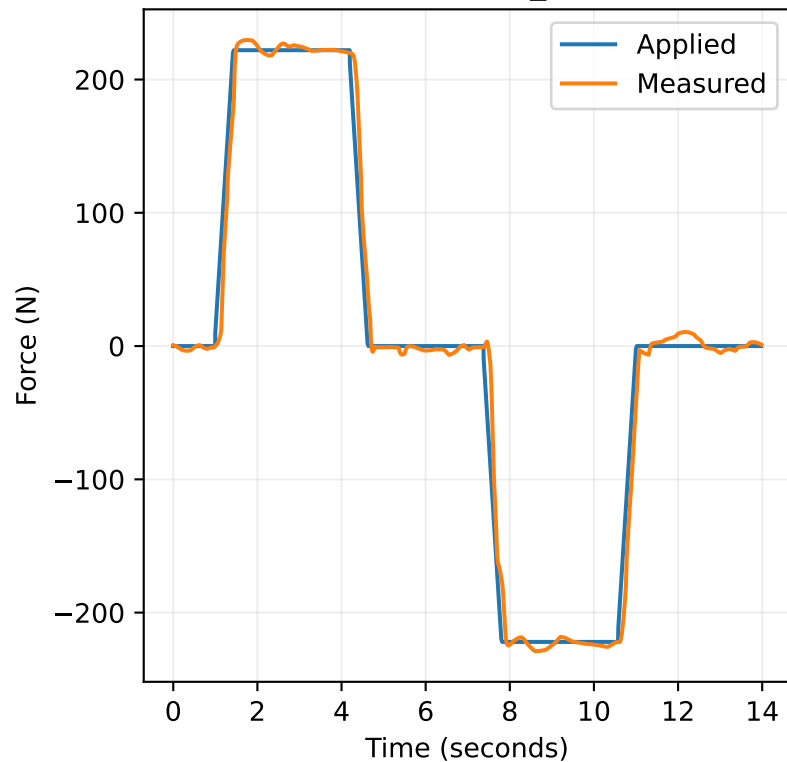Failed

Secondary - Y_PLUS
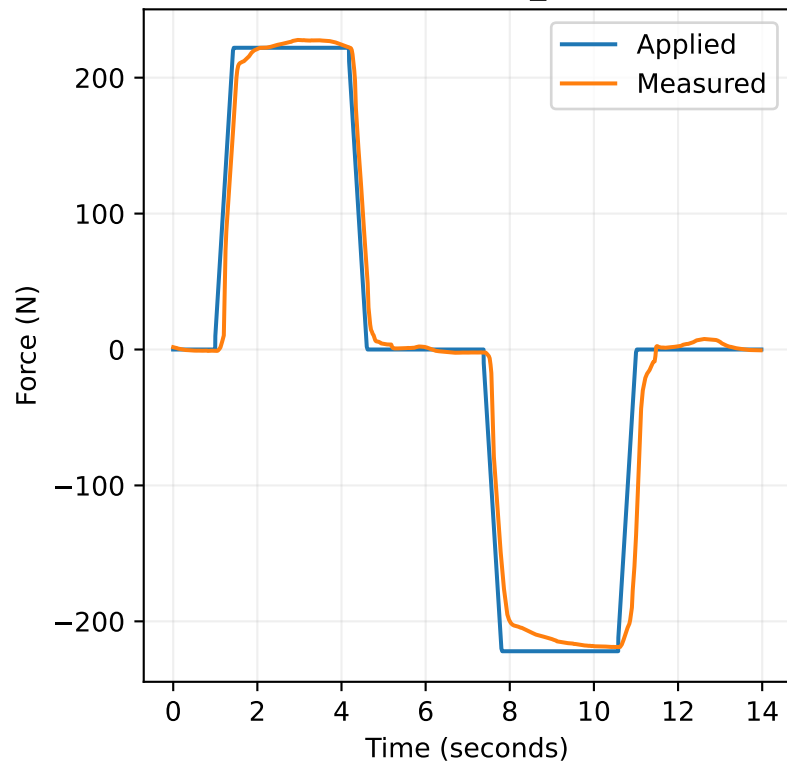
Applied
Measured

Bump Test Response Delay. Actuator ID 410
2023-11-27T21:11:03

Bump Test Response Delay. Actuator ID 327
2023-11-28T18:59:05
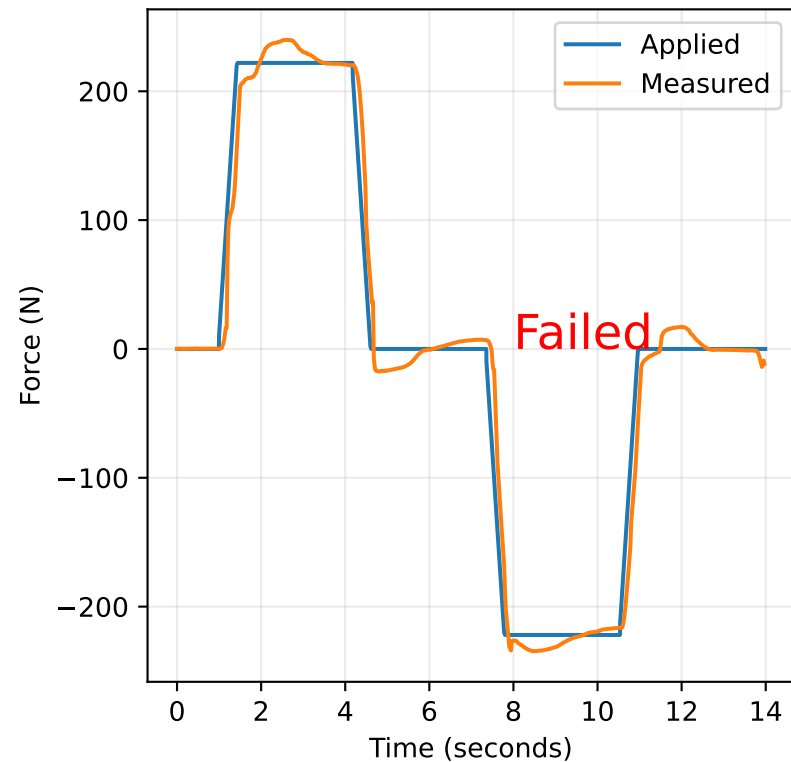
Bump Test Response Delay. Actuator ID 235
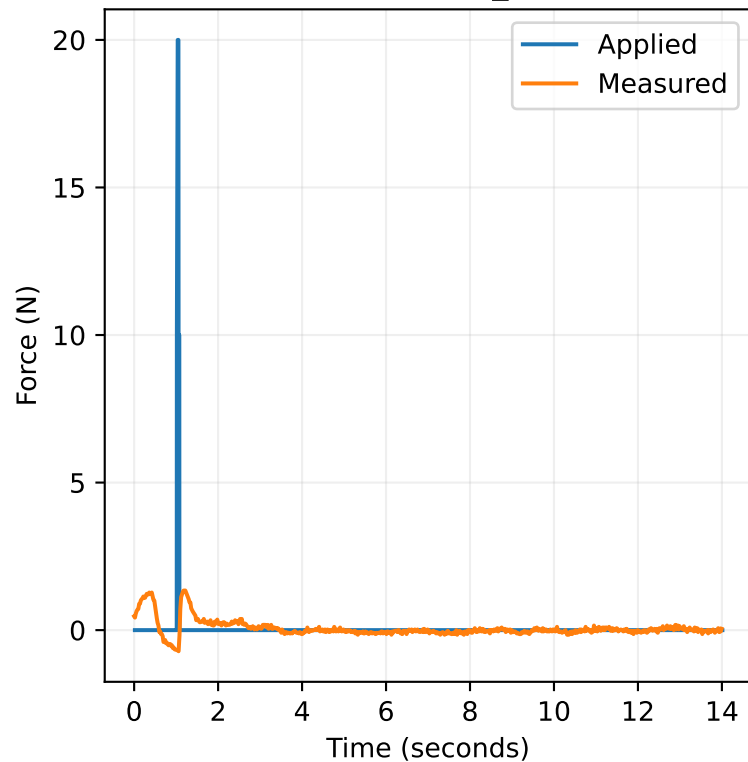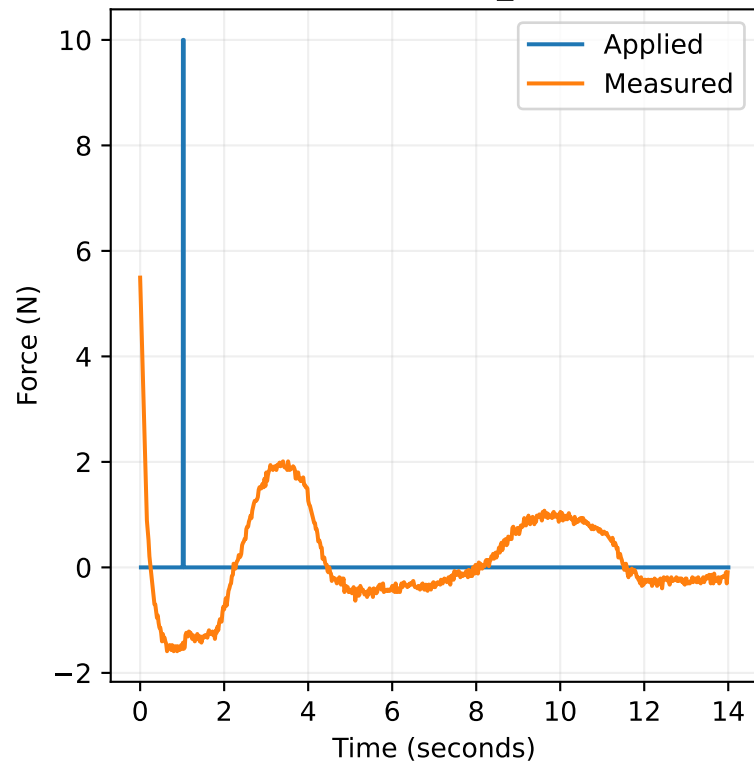## 2023-11-28T19:37:02
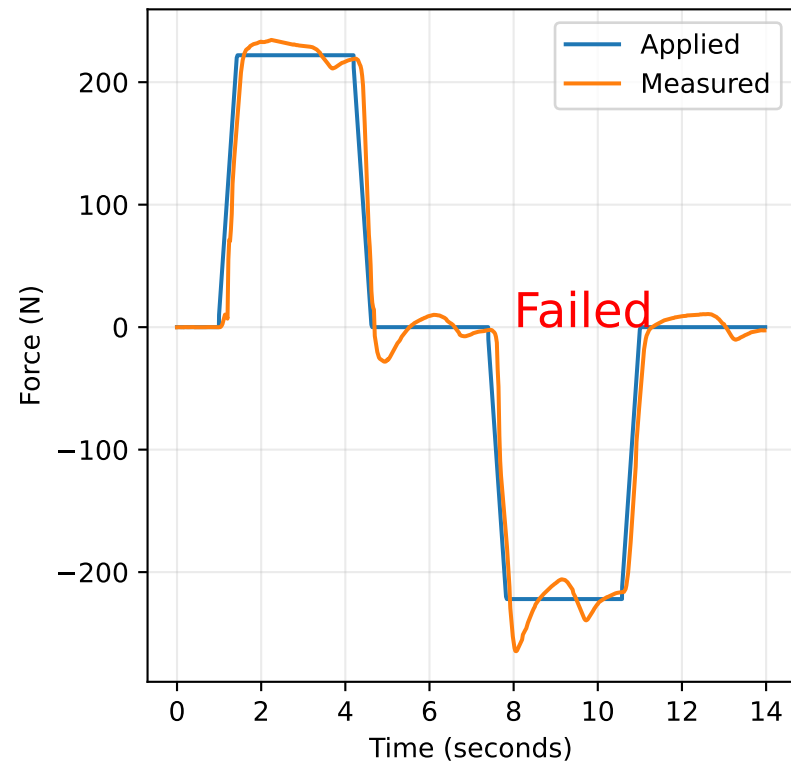
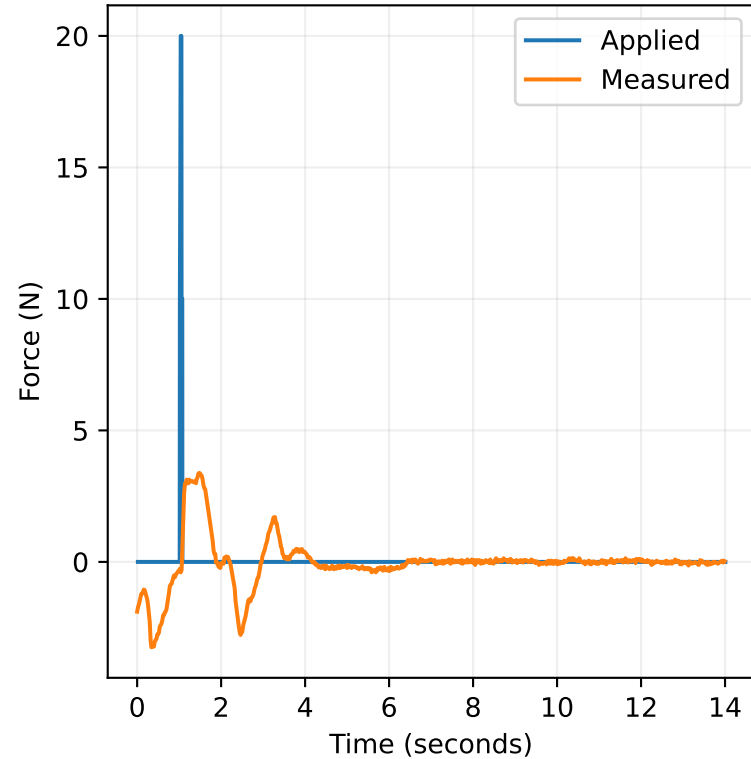Bump Test Response Delay. Actuator ID 327
2023-11-28T19:53:51
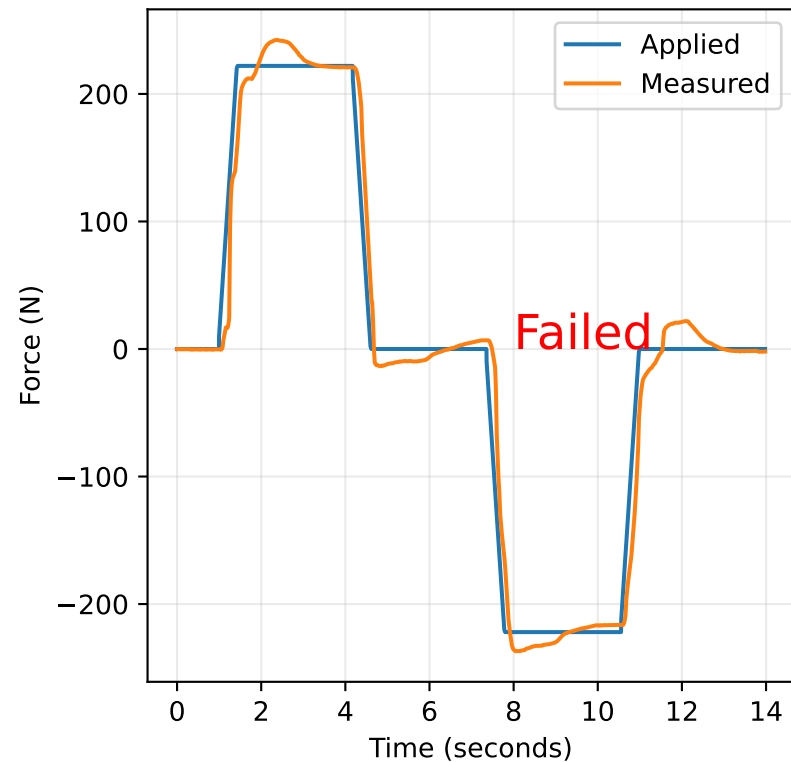
Bump Test Response Delay. Actuator ID 410
2023-11-28T20:03:26
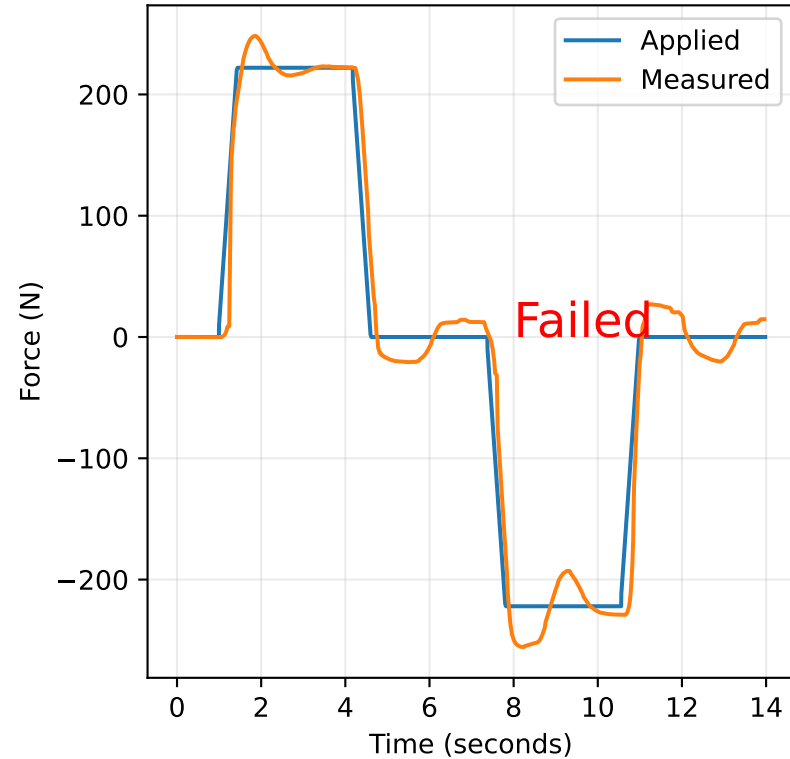
Bump Test Response Delay. Actuator ID 411
2023-11-28T20:07:23

Primary - Z

Applied
Measured

Failed
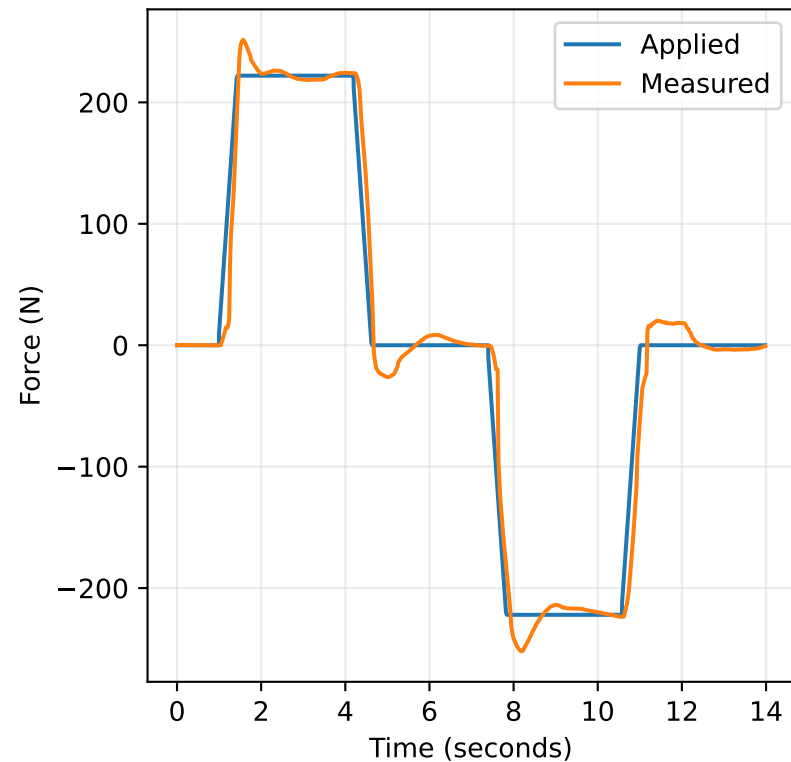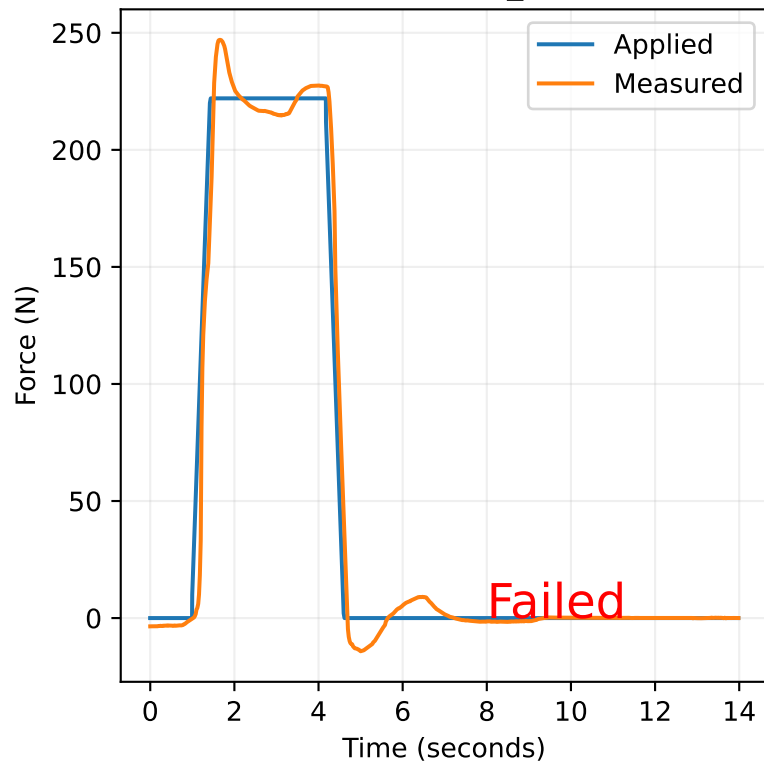
Secondary - Y_MINUS

Applied
Measured
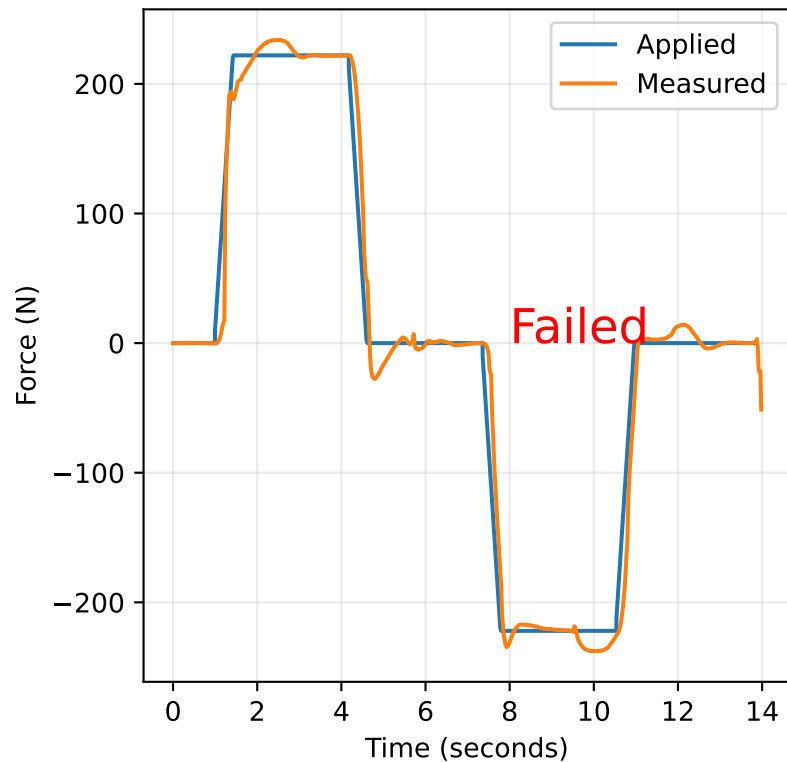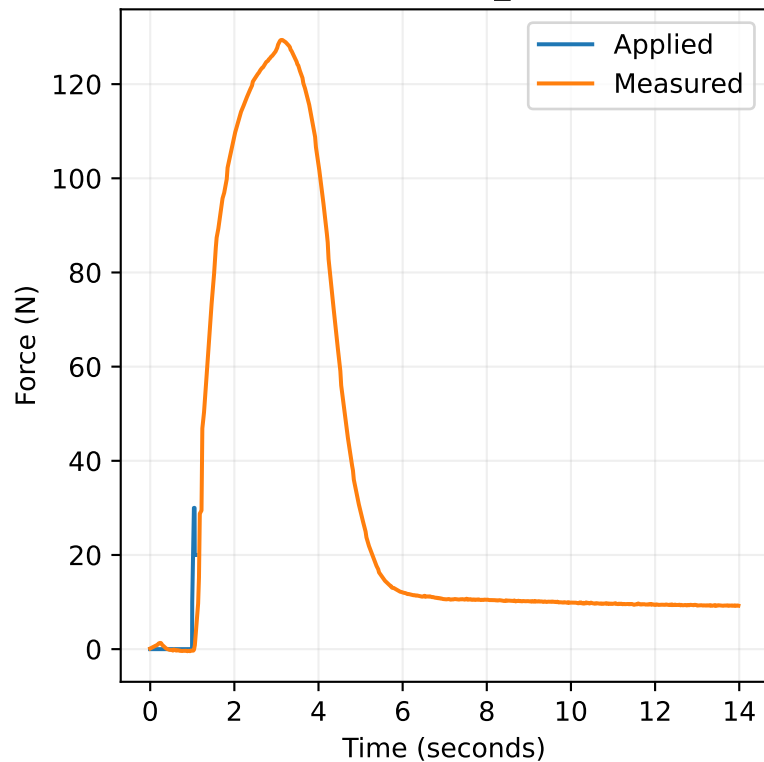
Bump Test Response Delay. Actuator ID 238
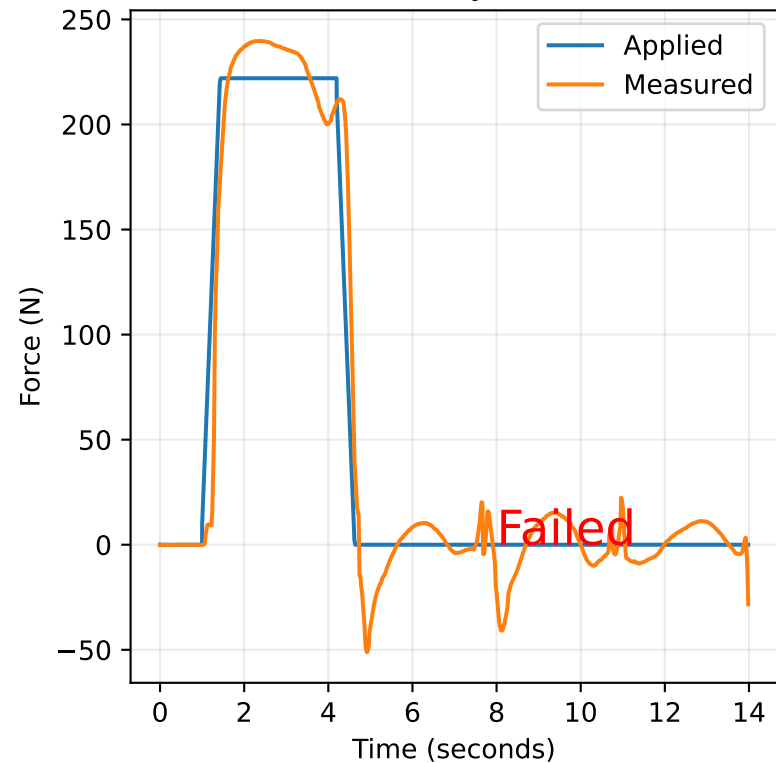## 2023-11-29T18:56:35

Primary - Z
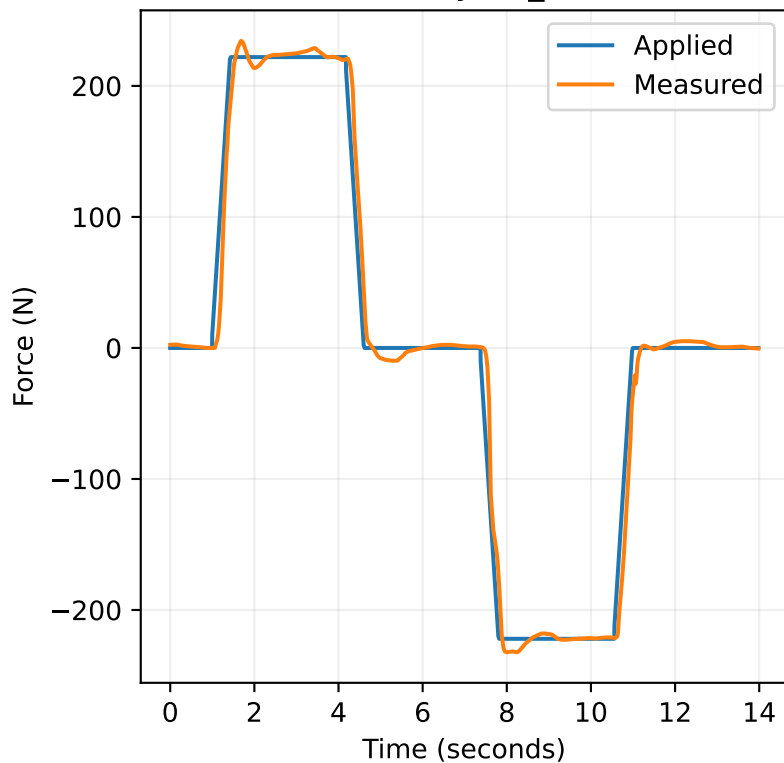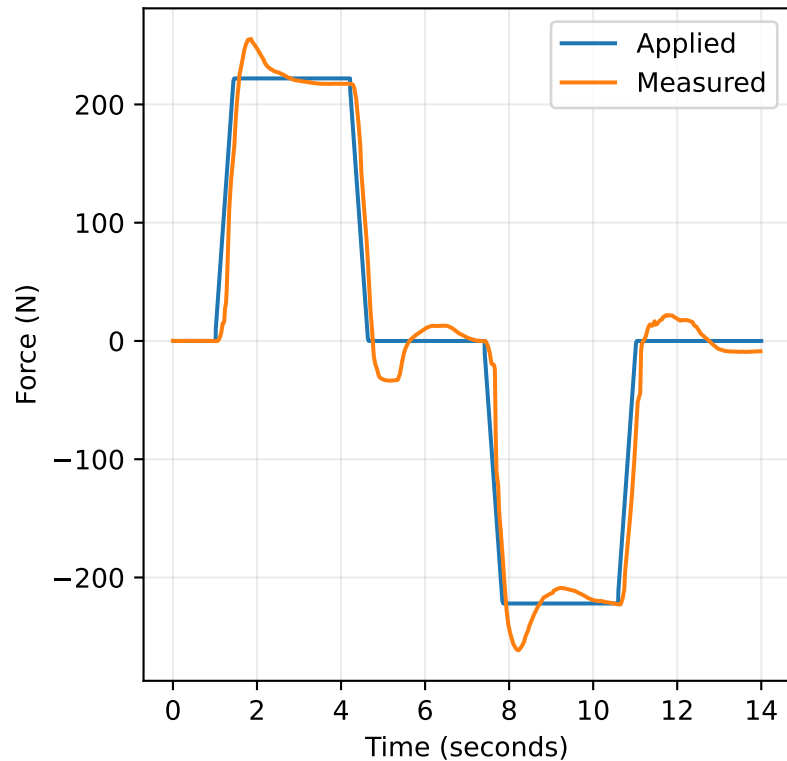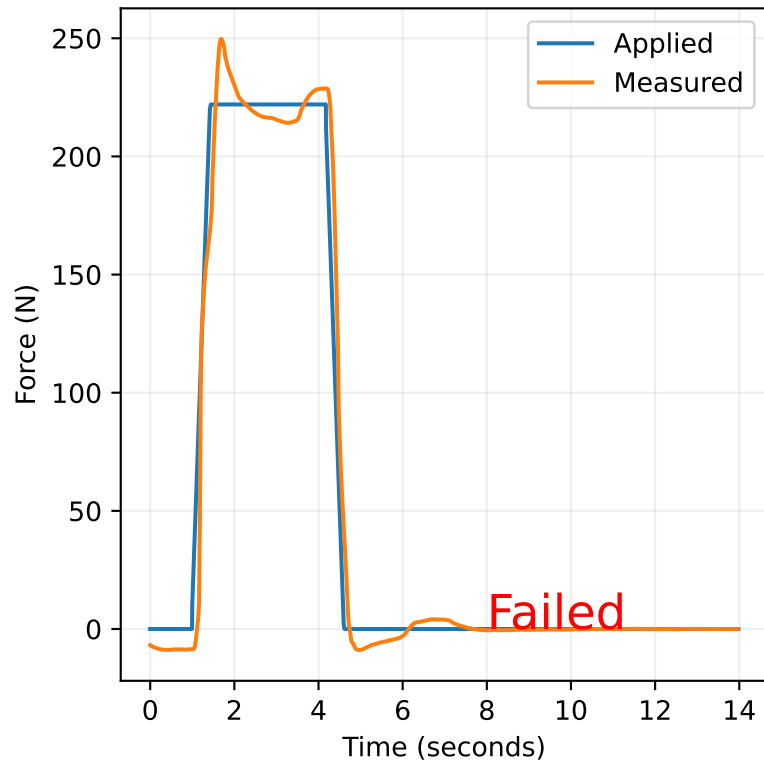
Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 235
2023-11-30T09:45:47

Primary - Z

Secondary - X_PLUS

Failed

Bump Test Response Delay. Actuator ID 238
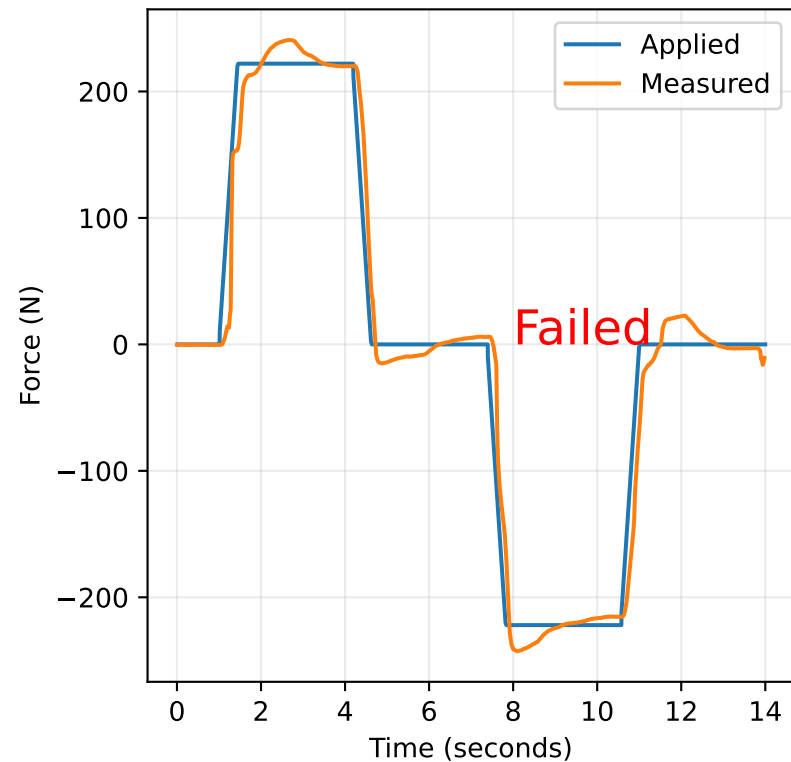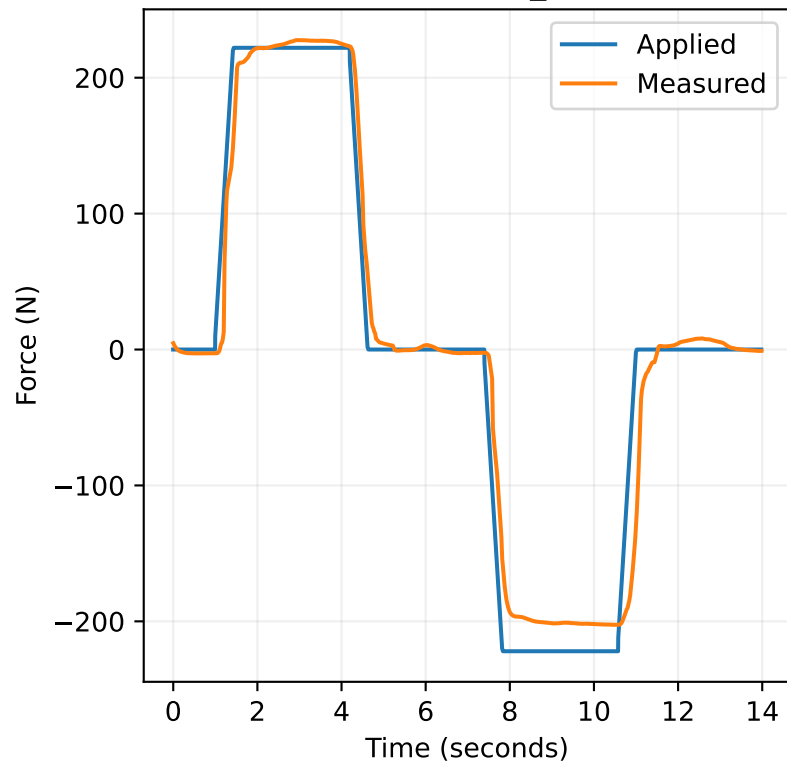## 2023-11-30T09:47:07

Bump Test Response Delay. Actuator ID 327
2023-11-30T10:00:38

Primary - Z

Secondary - Y_PLUS

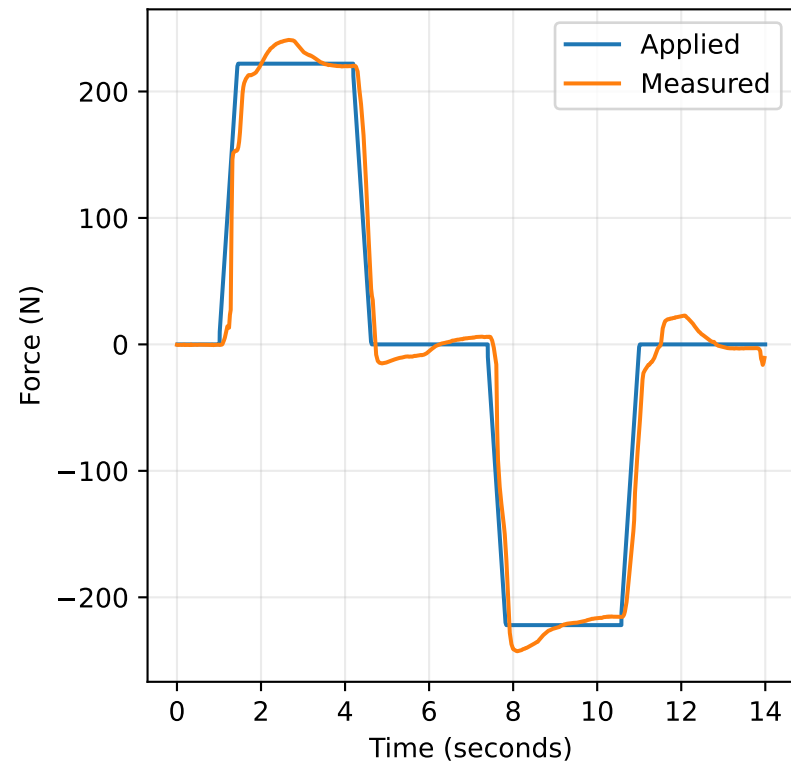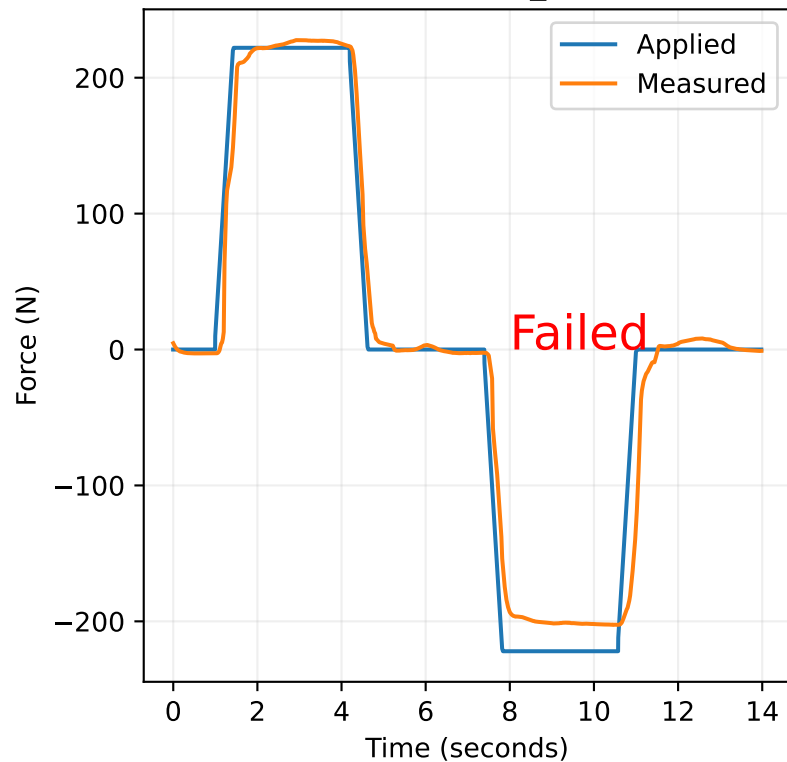Bump Test Response Delay. Actuator ID 327
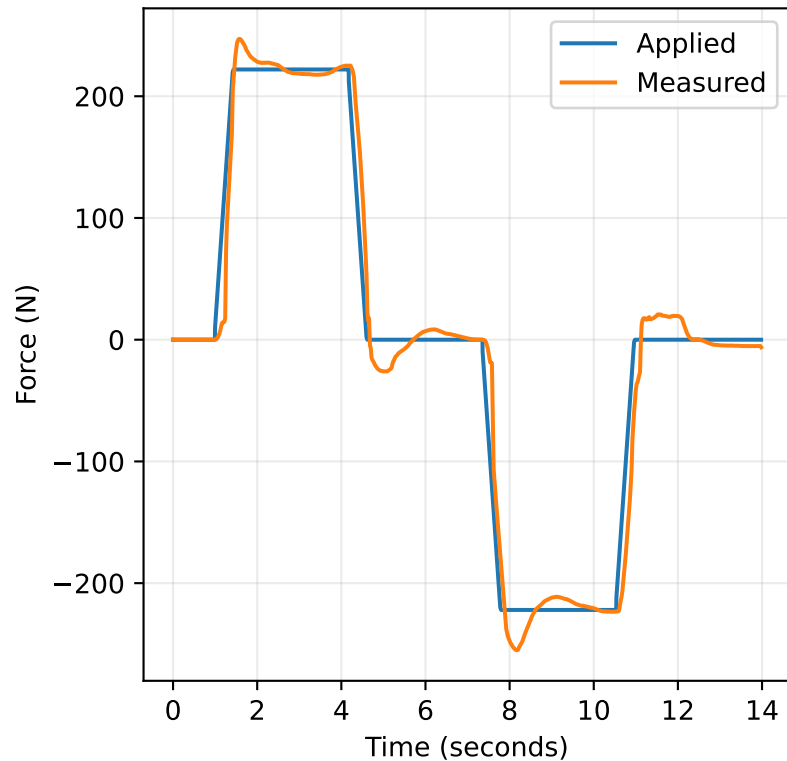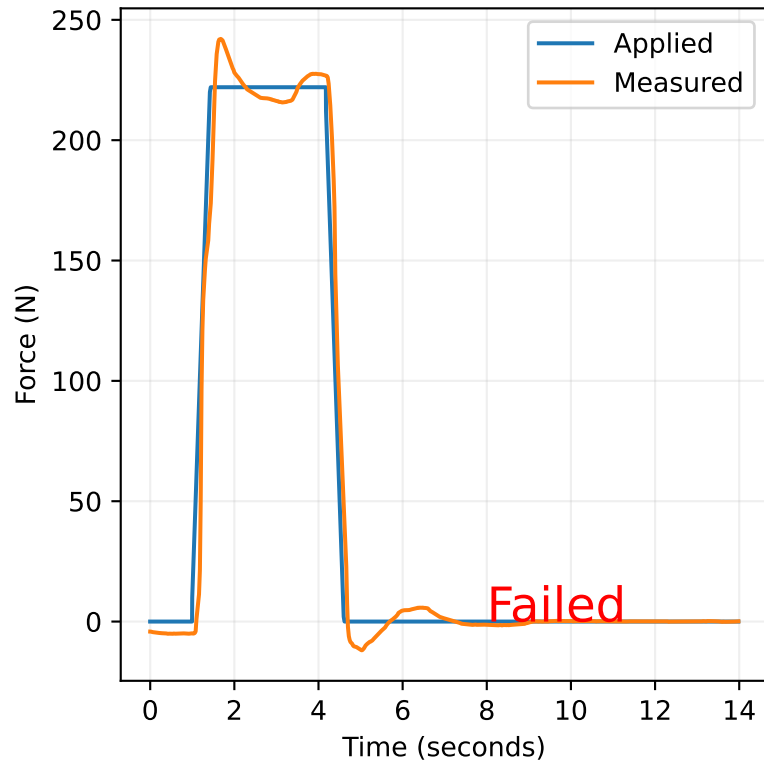2023-11-30T10:00:38
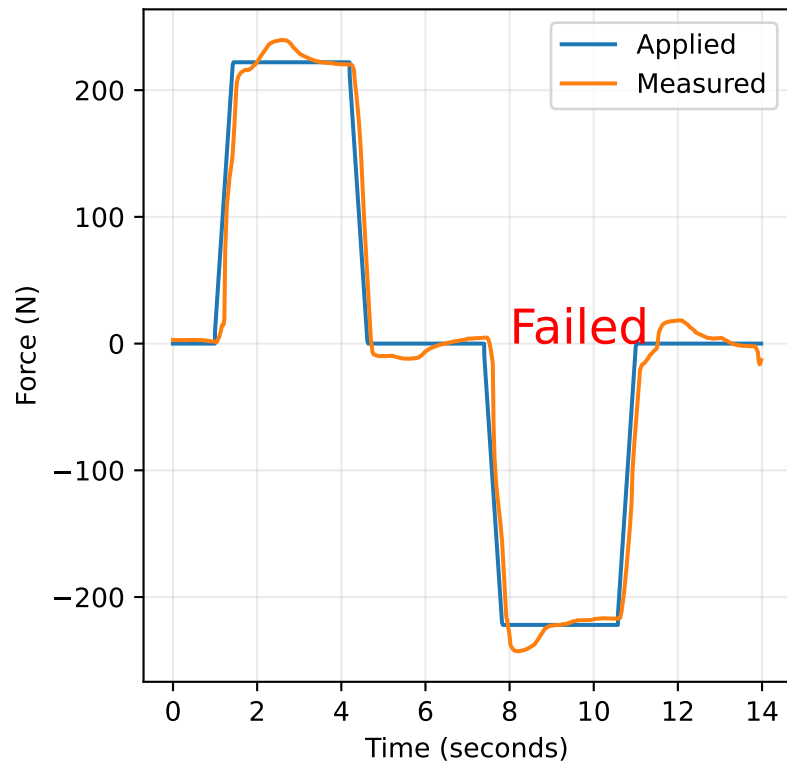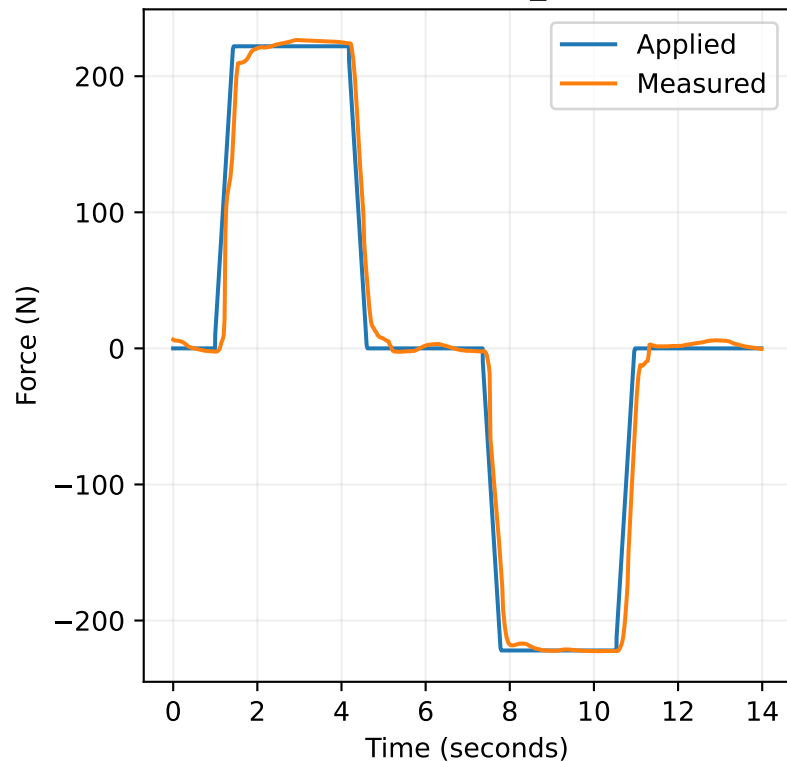
Bump Test Response Delay. Actuator ID 238
2023-11-30T21:19:59

Primary - Z

Secondary - Y_PLUS

Failed

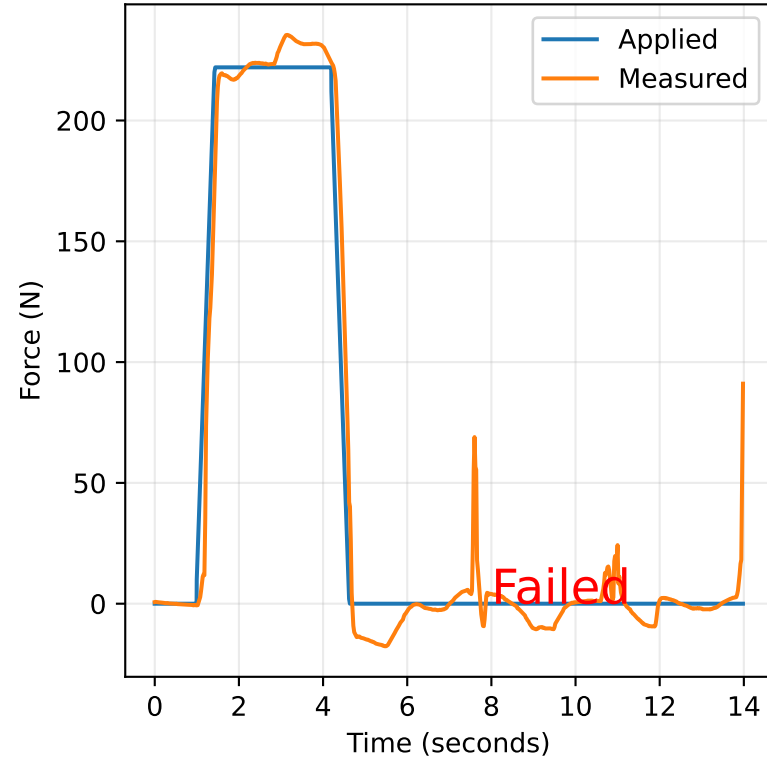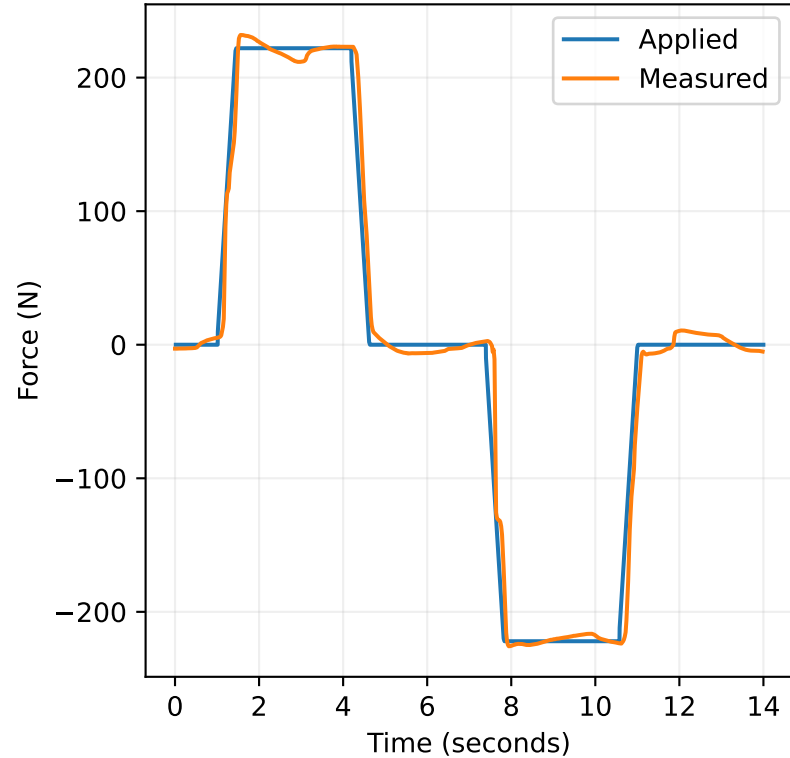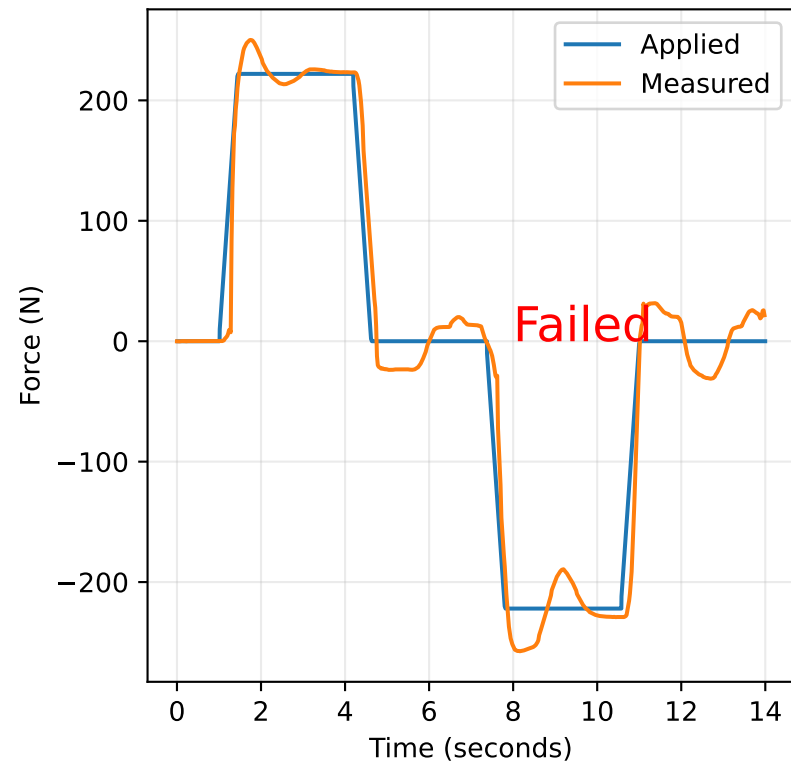Bump Test Response Delay. Actuator ID 327
2023-11-30T21:33:30

Bump Test Response Delay. Actuator ID 330
2023-11-30T21:35:09

Primary - Z
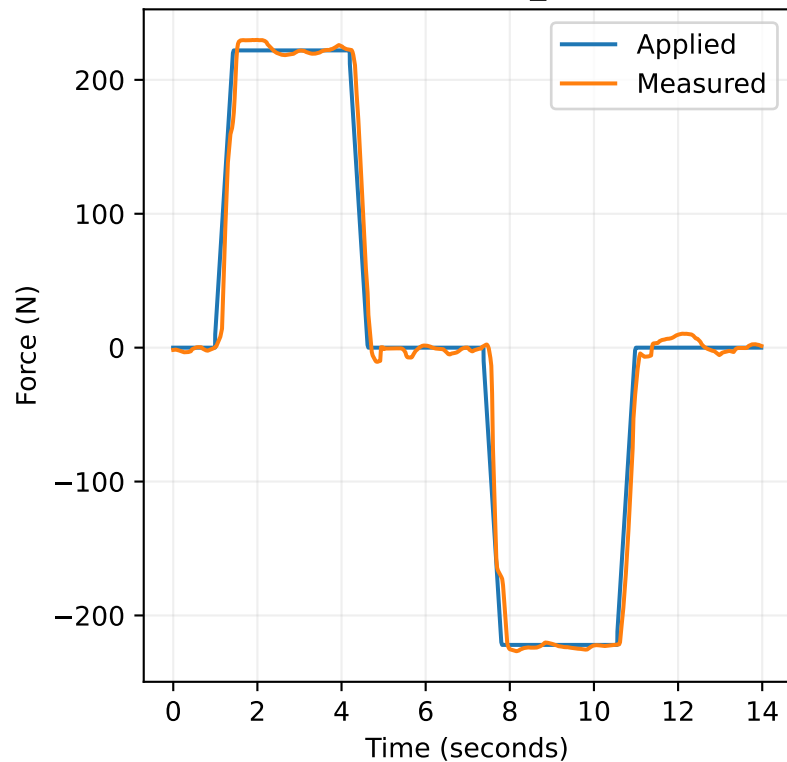
Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 410
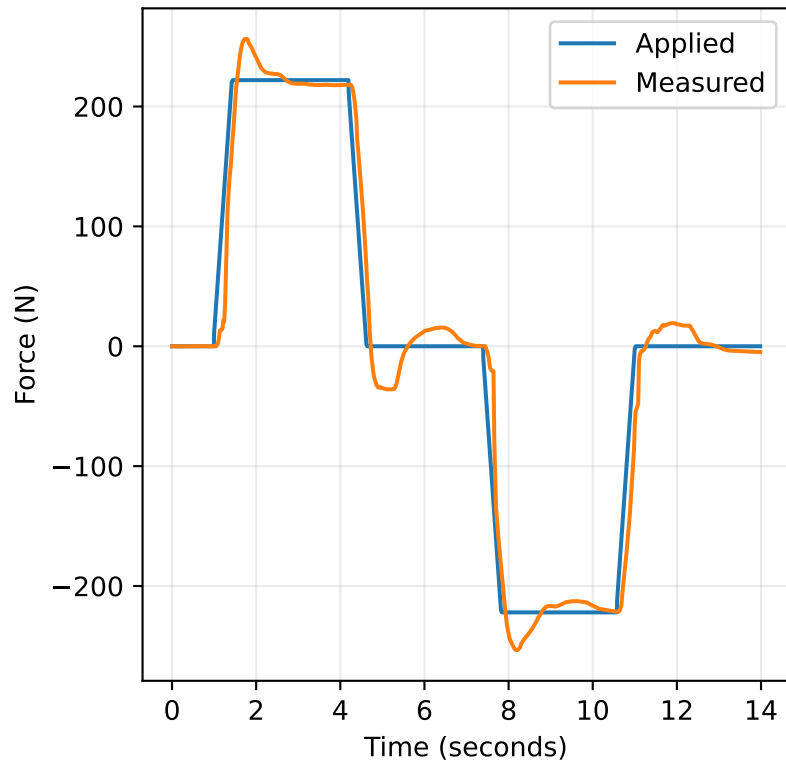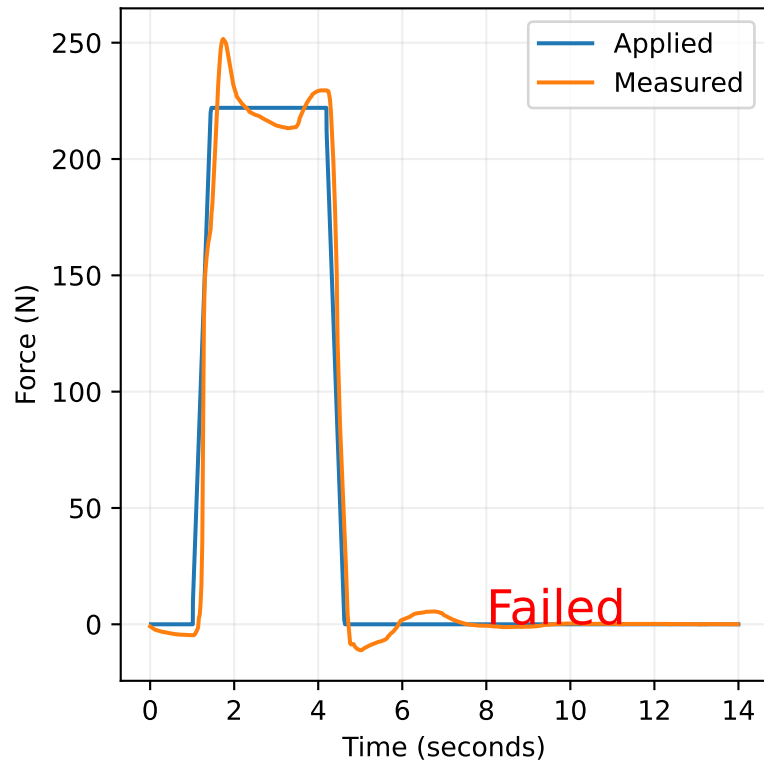## 2023-11-30T21:41:58

Primary - Z

Secondary - Y_PLUS

Failed

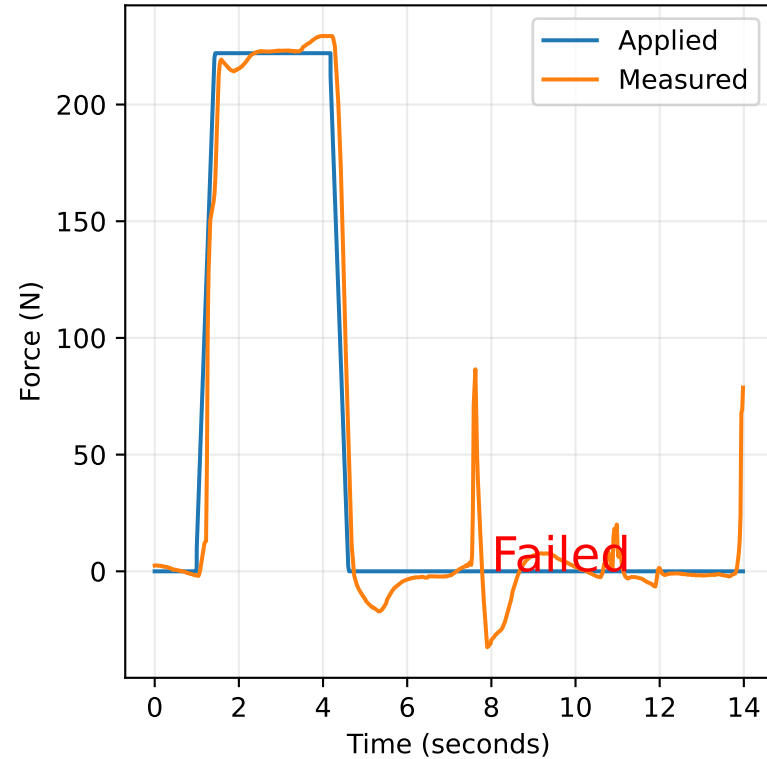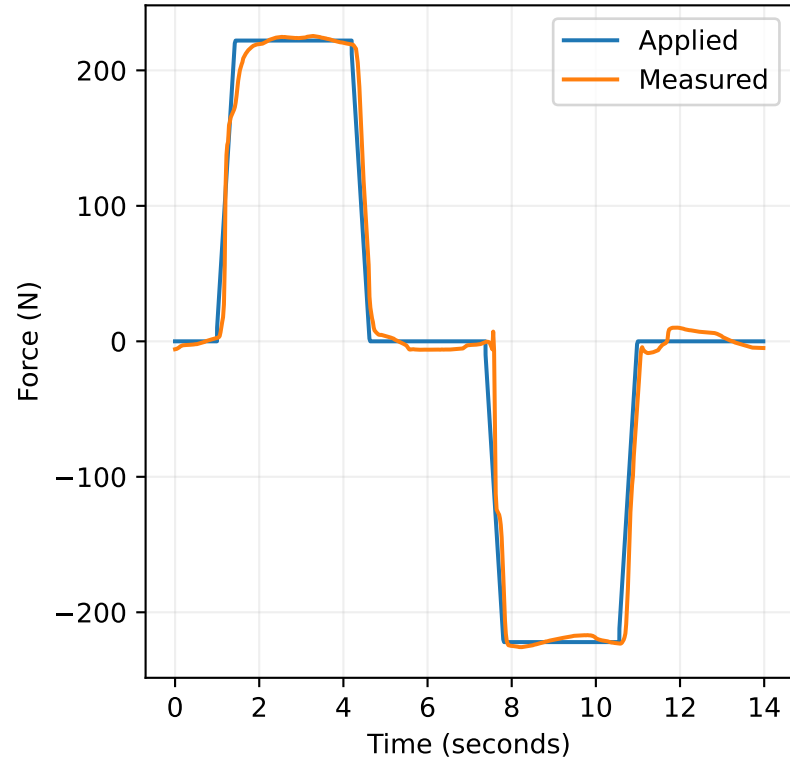Bump Test Response Delay. Actuator ID 238
2023-12-05T09:34:55

Bump Test Response Delay. Actuator ID 330
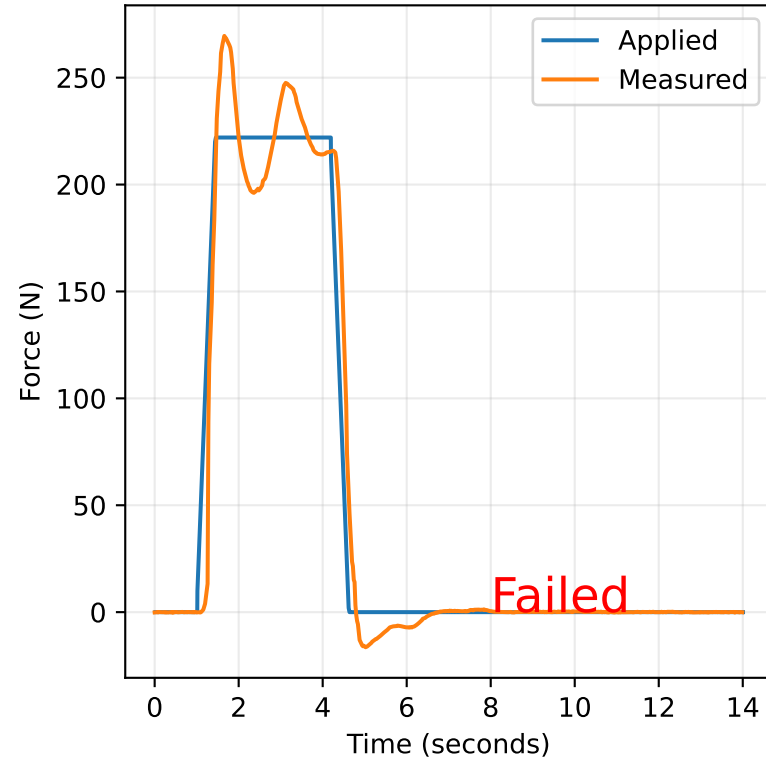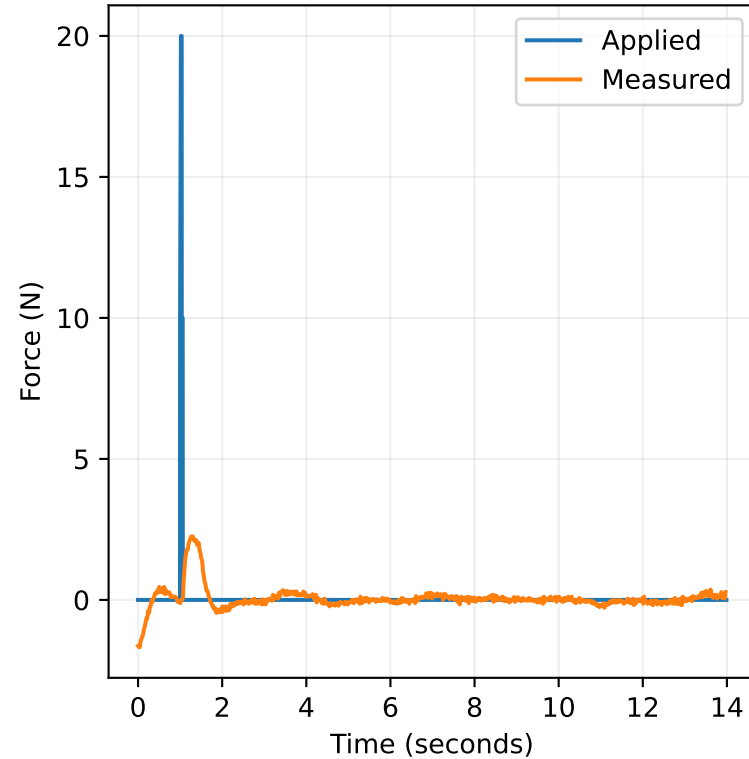## 2023-12-05T09:49:53

Primary - Z

Force (N)
Time (seconds)

Applied
Measured

Failed

Secondary - Y_PLUS

Force (N)
Time (seconds)

Applied
Measured

Bump Test Response Delay. Actuator ID 218
2023-12-06T08:43:18

Primary - Z

Applied
Measured

Failed

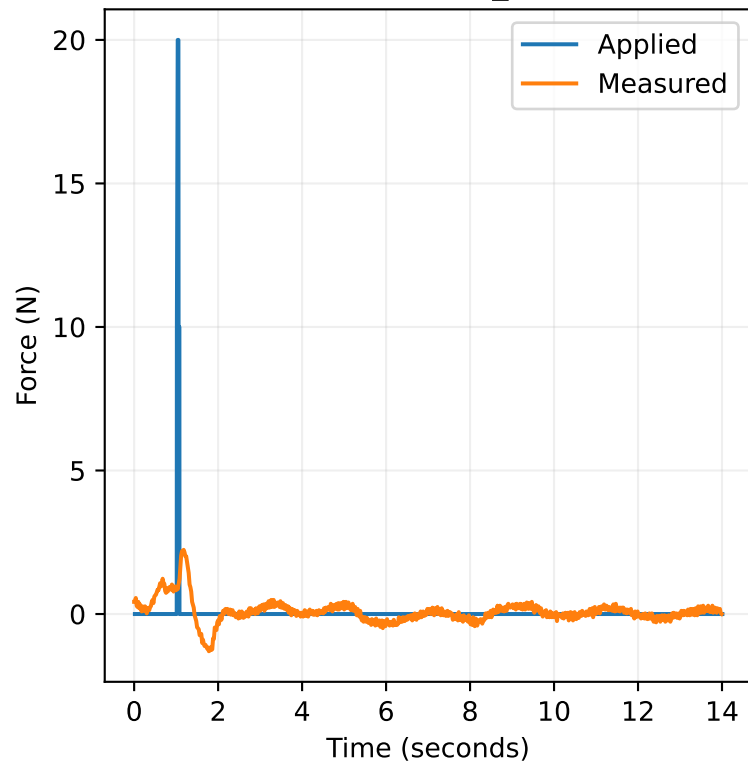### Secondary - Y_PLUS

Applied
Measured

Bump Test Response Delay. Actuator ID 235
2023-12-07T05:44:15

Primary - Z

Secondary - X_PLUS

Failed
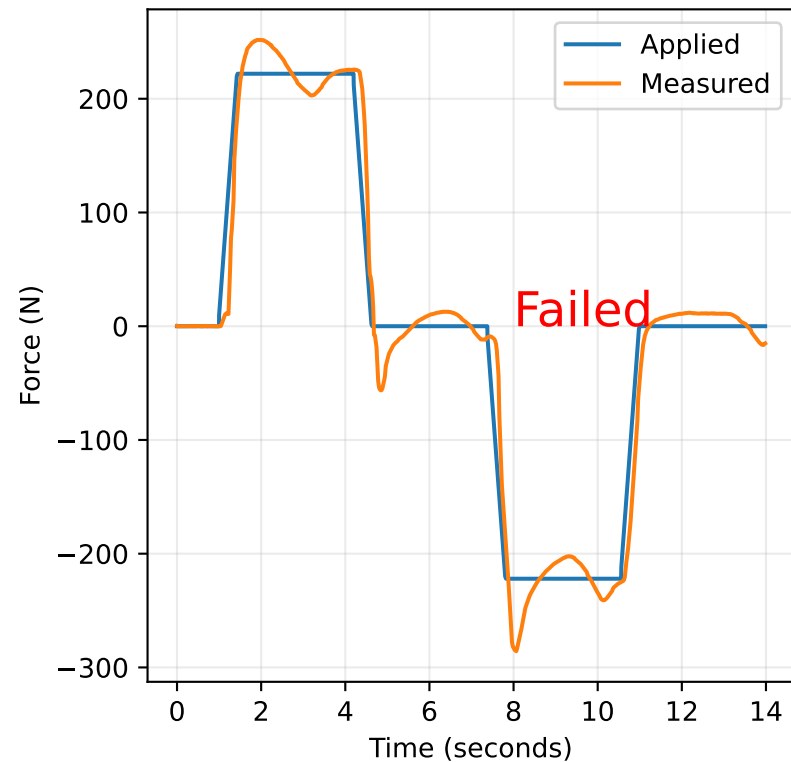
Bump Test Response Delay. Actuator ID 410
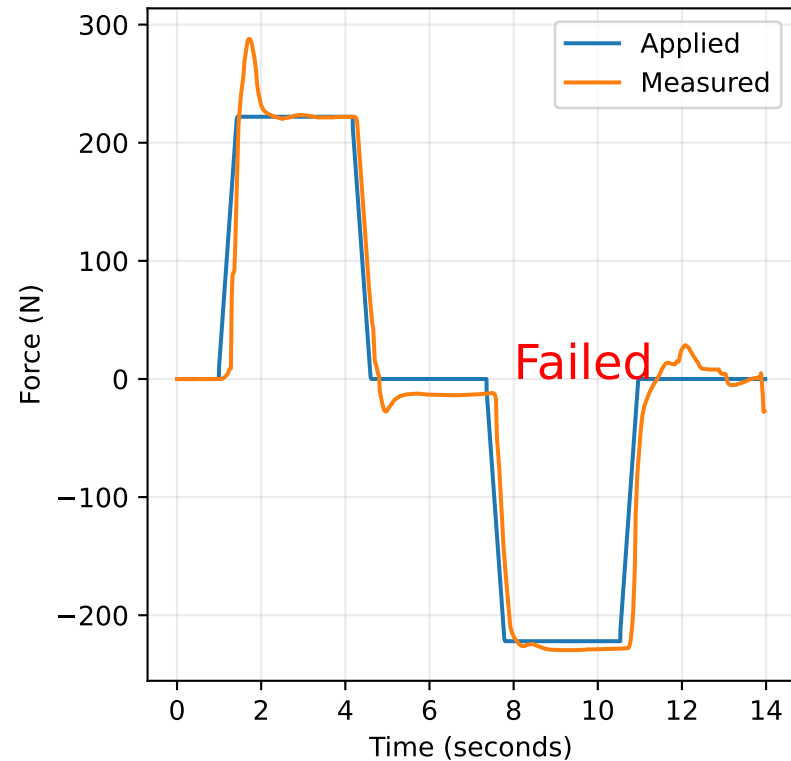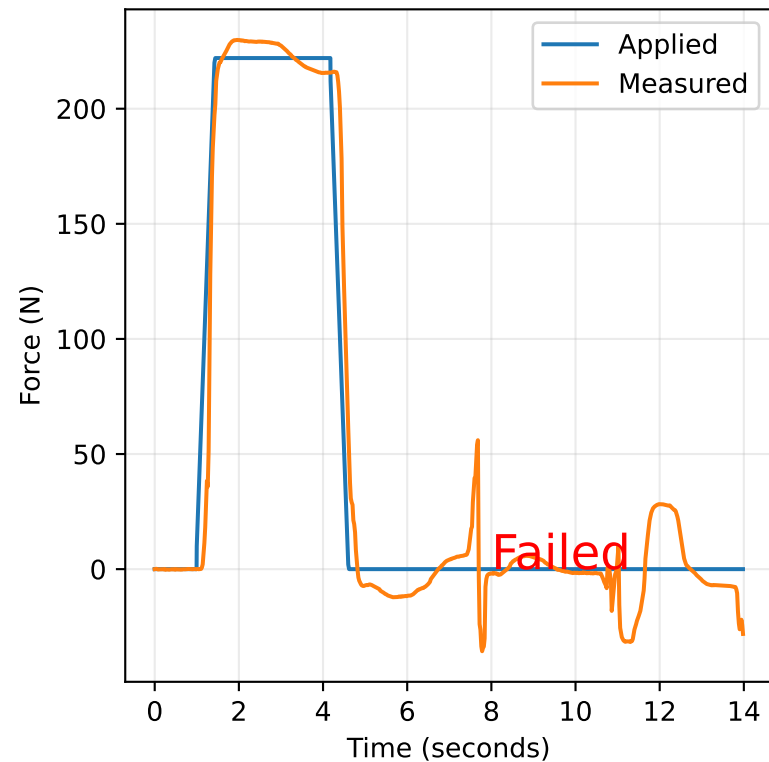## 2023-12-08T19:46:50
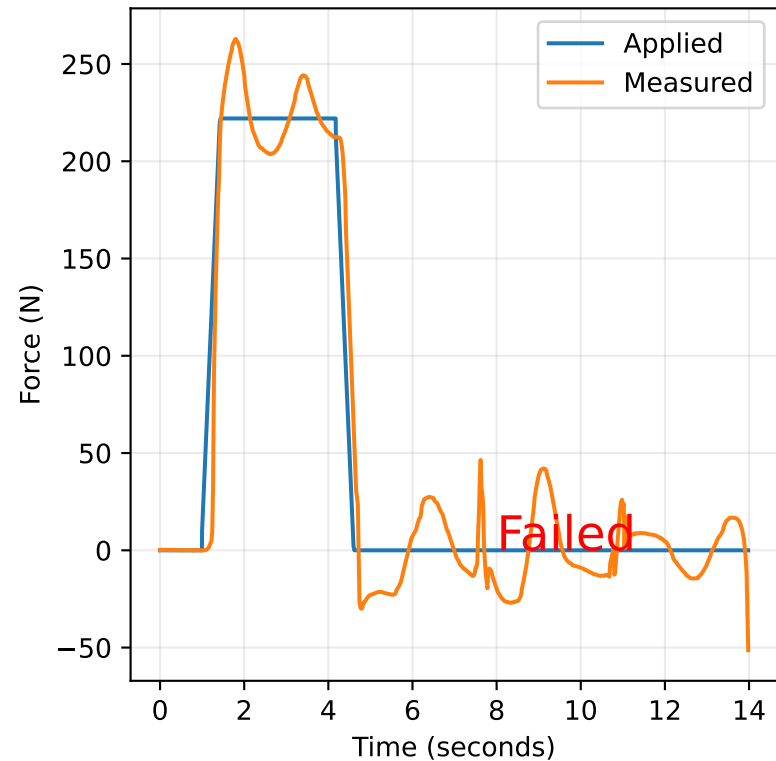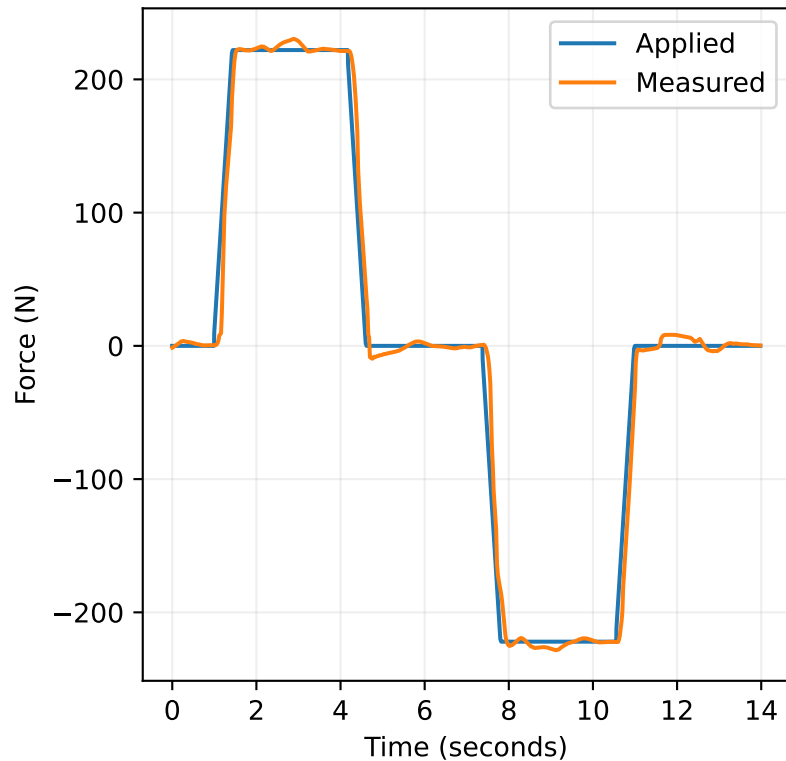
Bump Test Response Delay. Actuator ID 215
2023-12-08T19:52:26
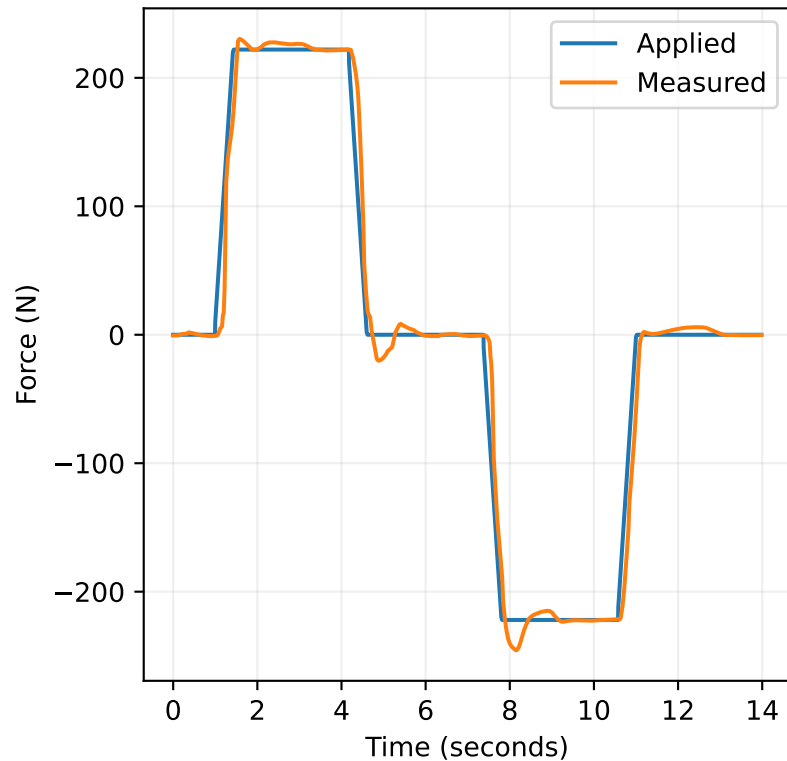
Bump Test Response Delay. Actuator ID 222
2023-12-08T20:04:27
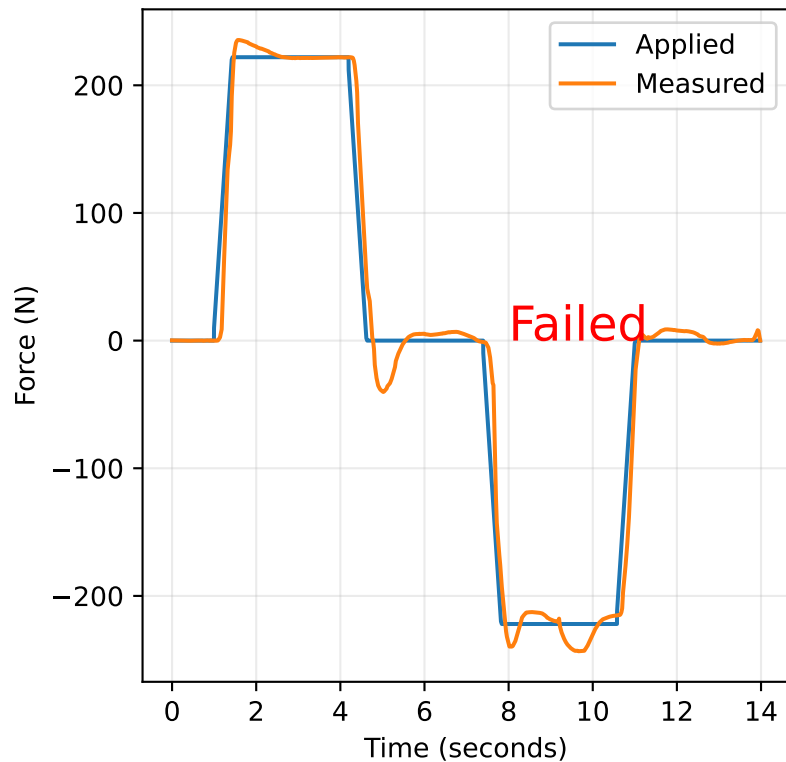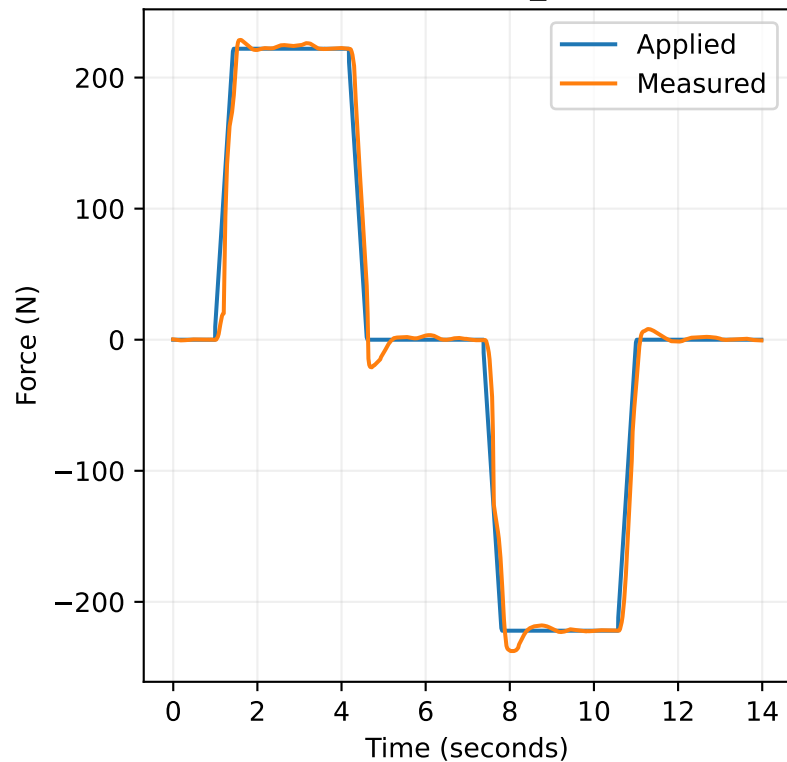
Bump Test Response Delay. Actuator ID 227
2023-12-08T20:10:53
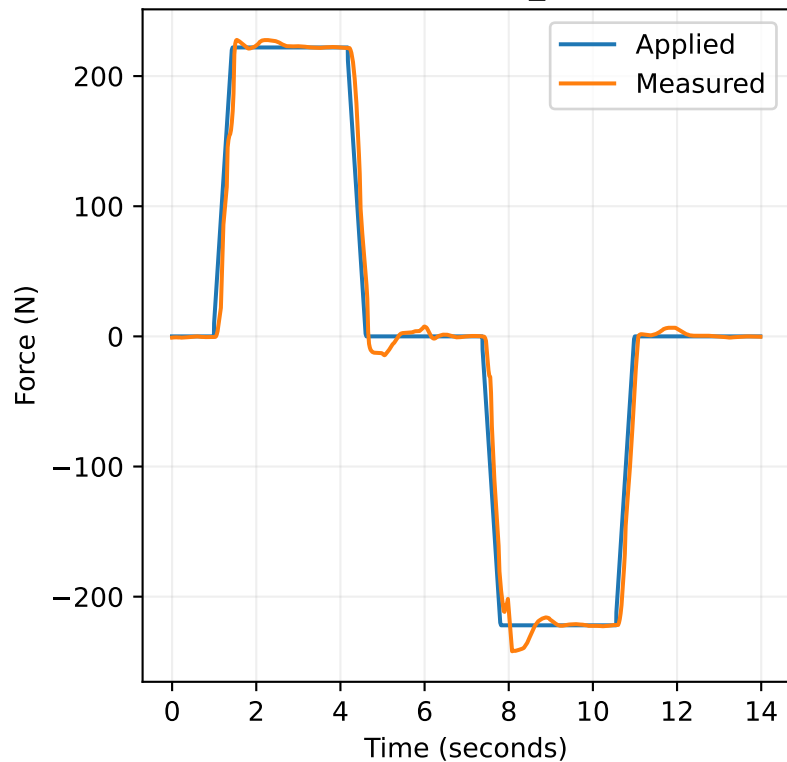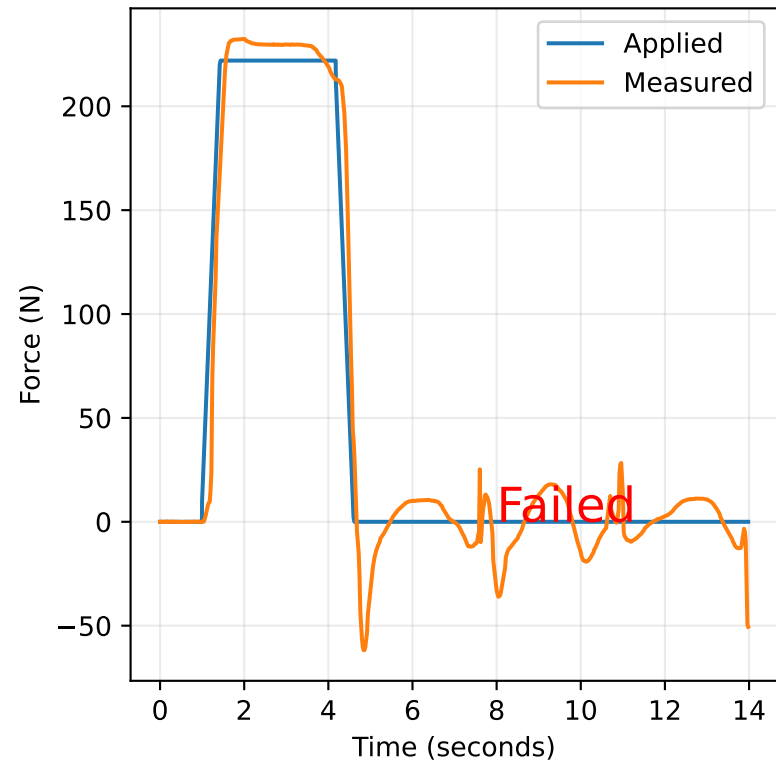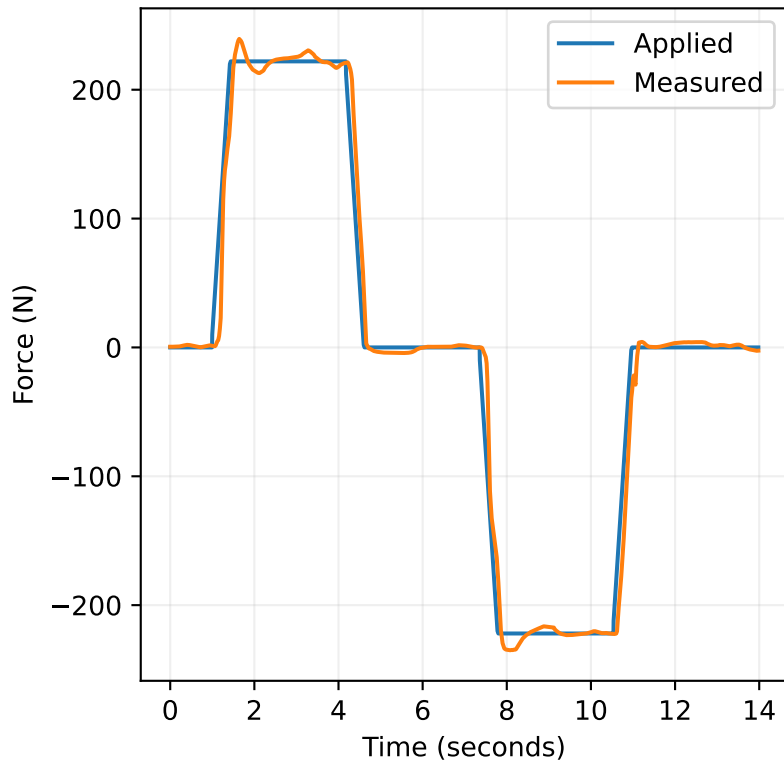
Bump Test Response Delay. Actuator ID 235
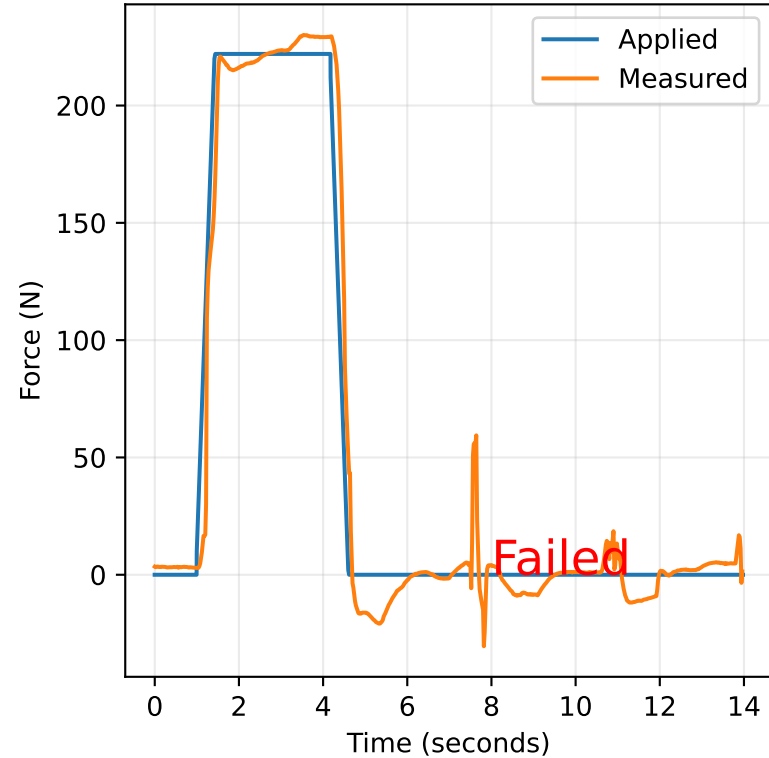## 2023-12-08T20:25:21

Primary - Z

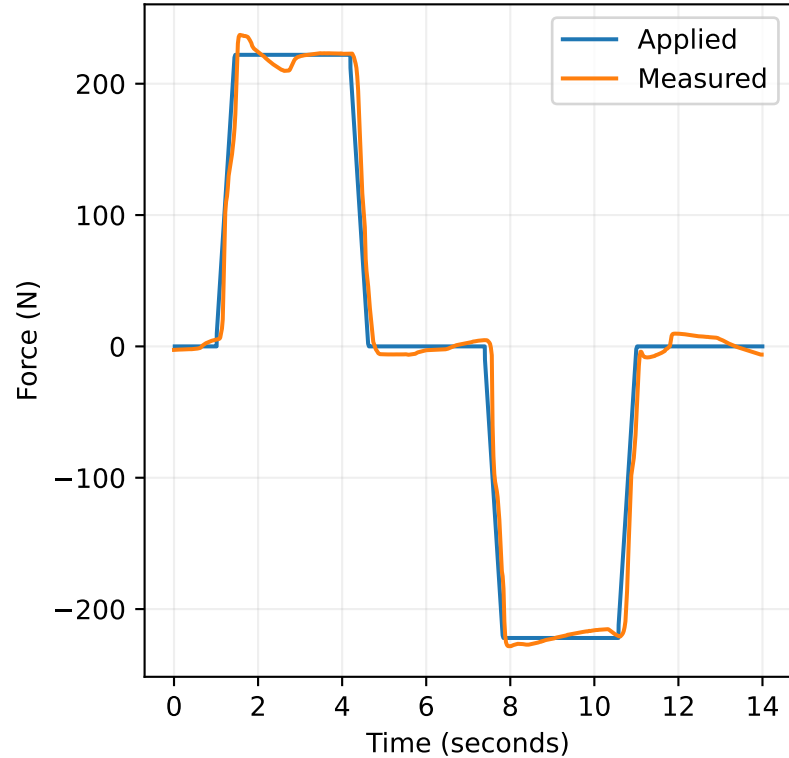**Secondary - X_PLUS**

Failed

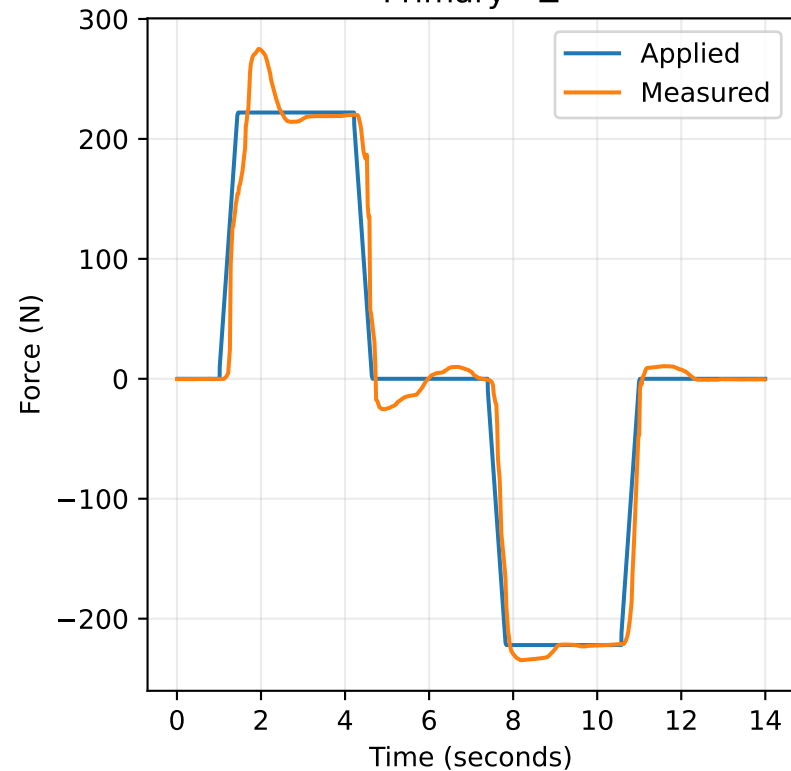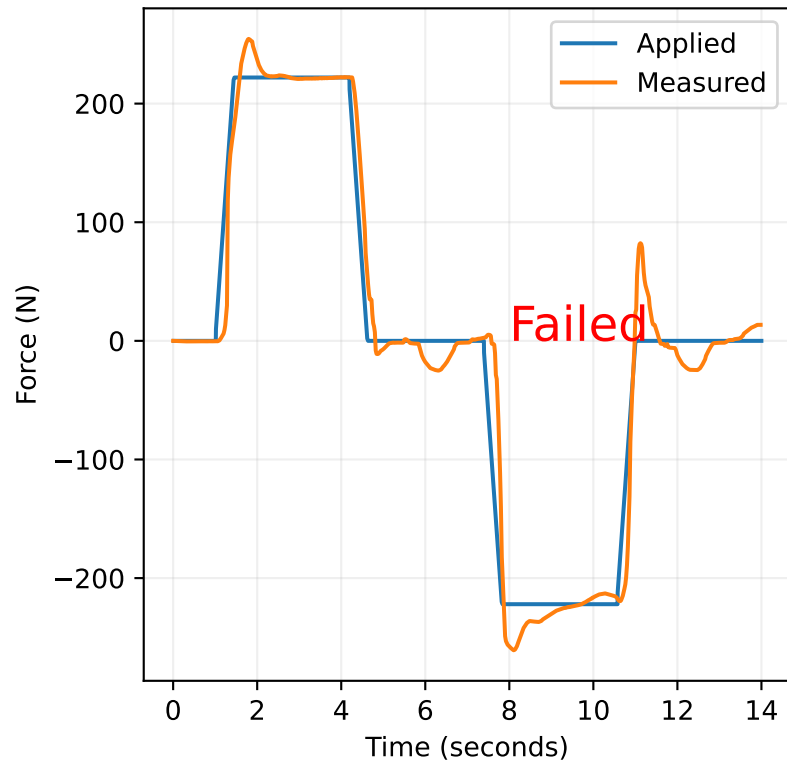Bump Test Response Delay. Actuator ID 330
2023-12-12T11:12:56

Primary - Z

Secondary - Y_PLUS

Failed

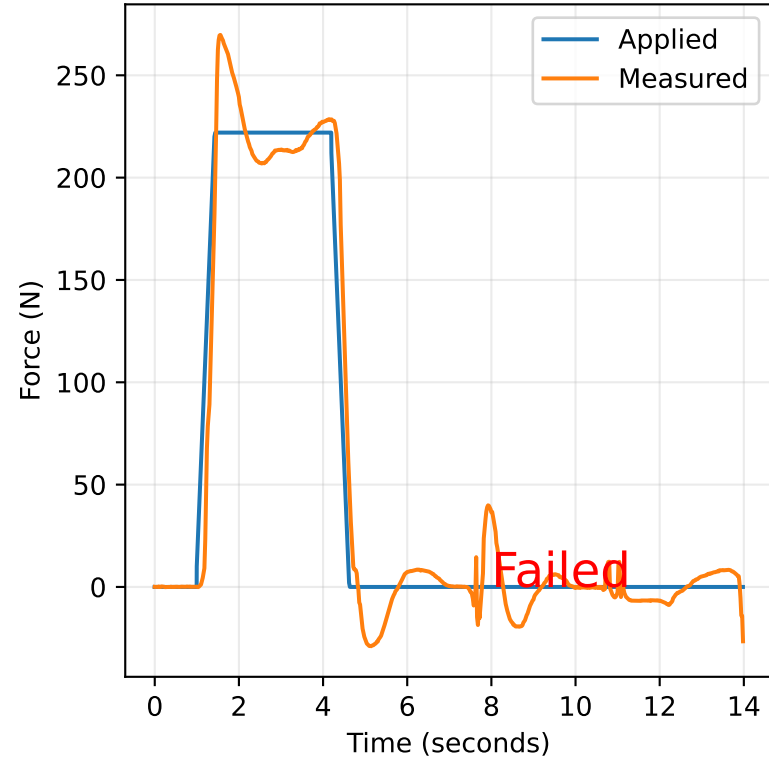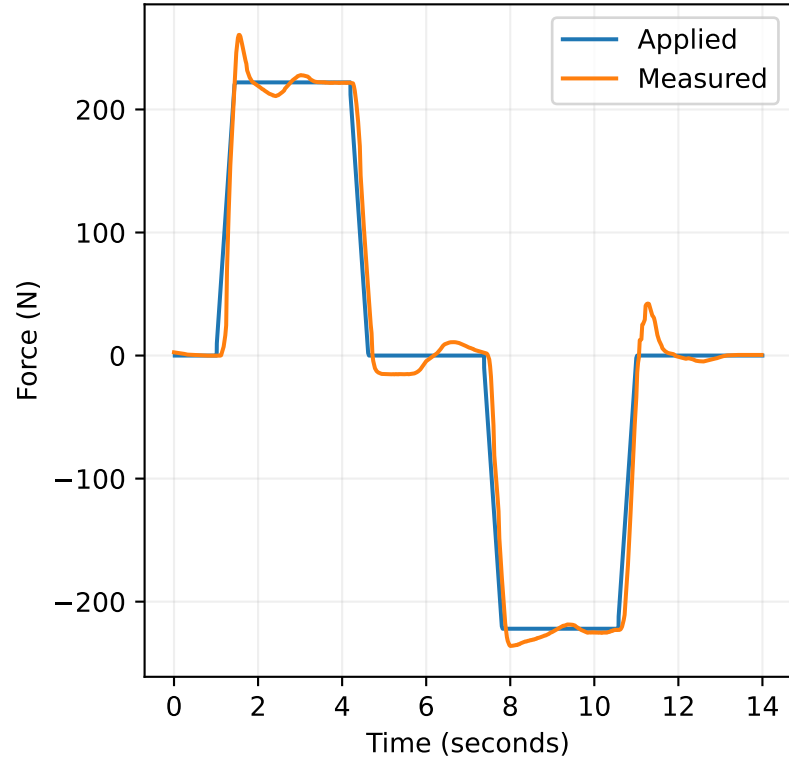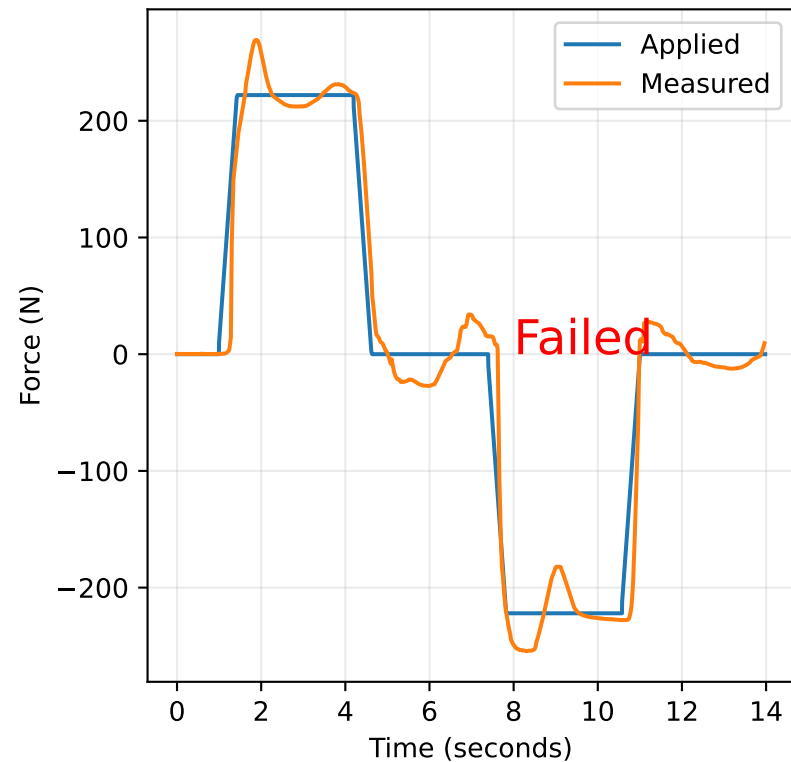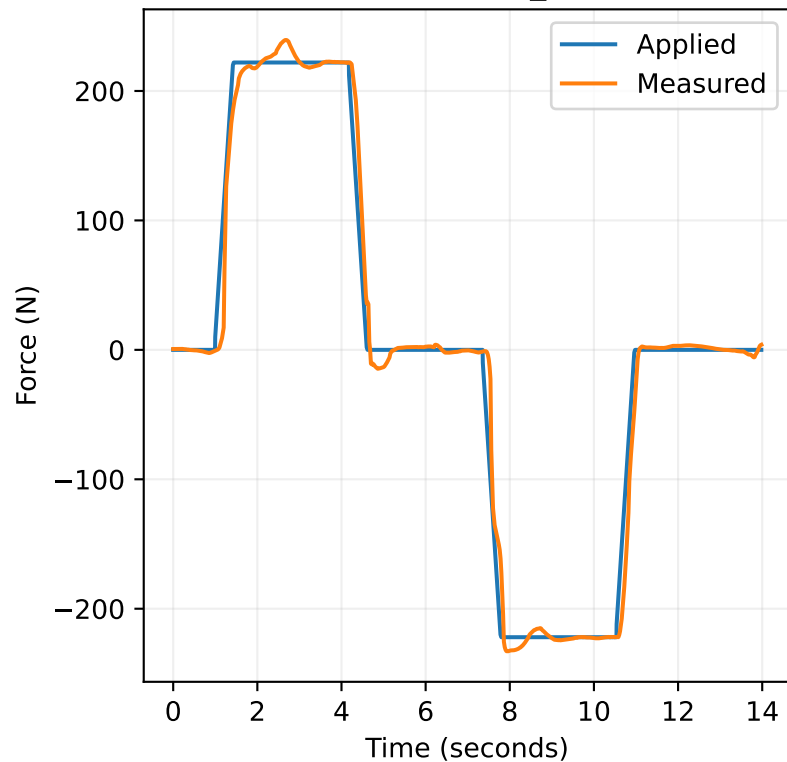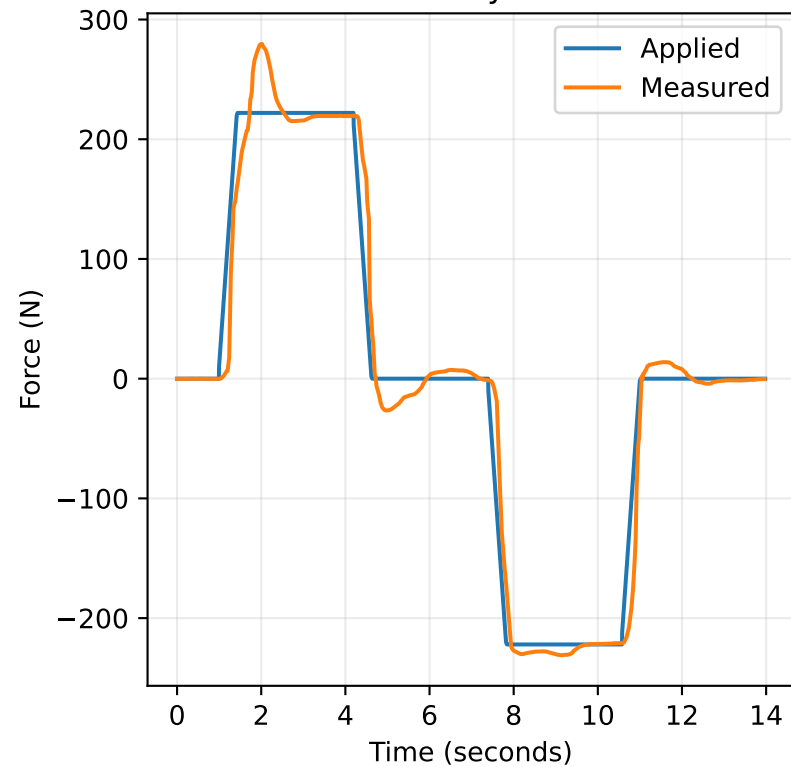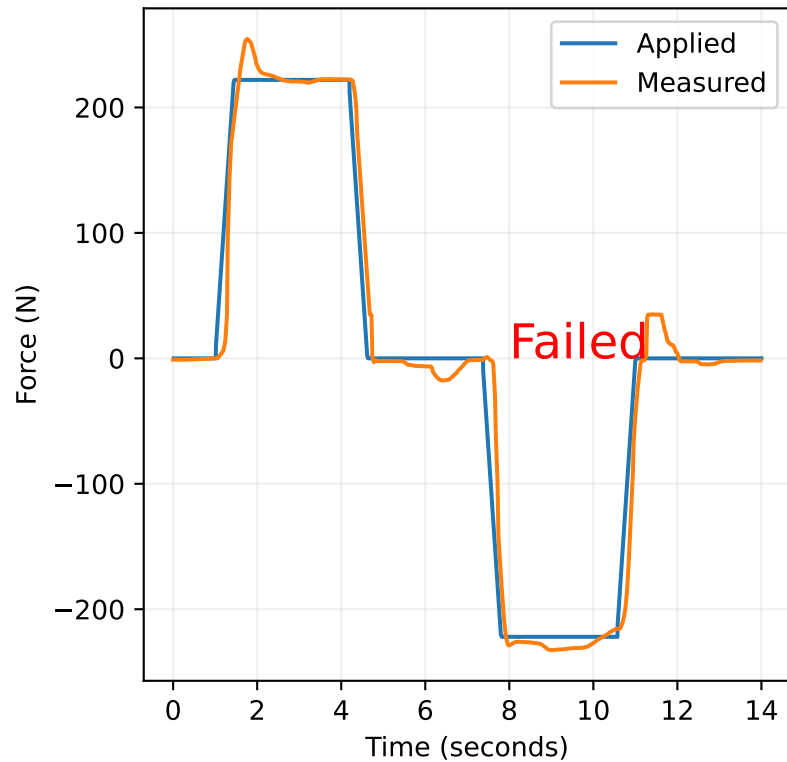Bump Test Response Delay. Actuator ID 305
2023-12-13T10:52:47

Bump Test Response Delay. Actuator ID 308
2023-12-13T10:54:10

Bump Test Response Delay. Actuator ID 410
2023-12-13T11:11:15

Primary - Z

Secondary - Y_PLUS

Failed

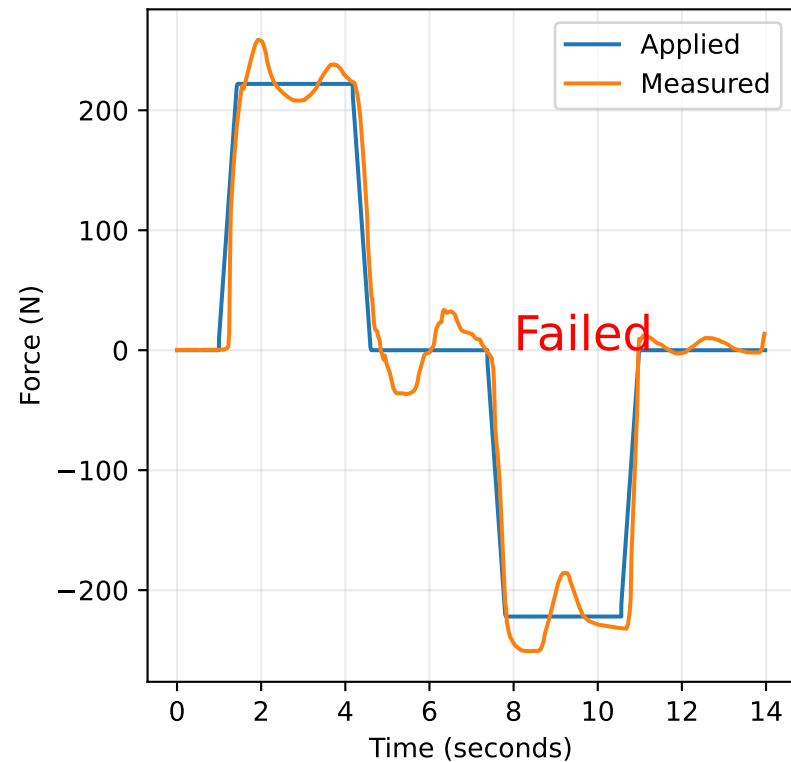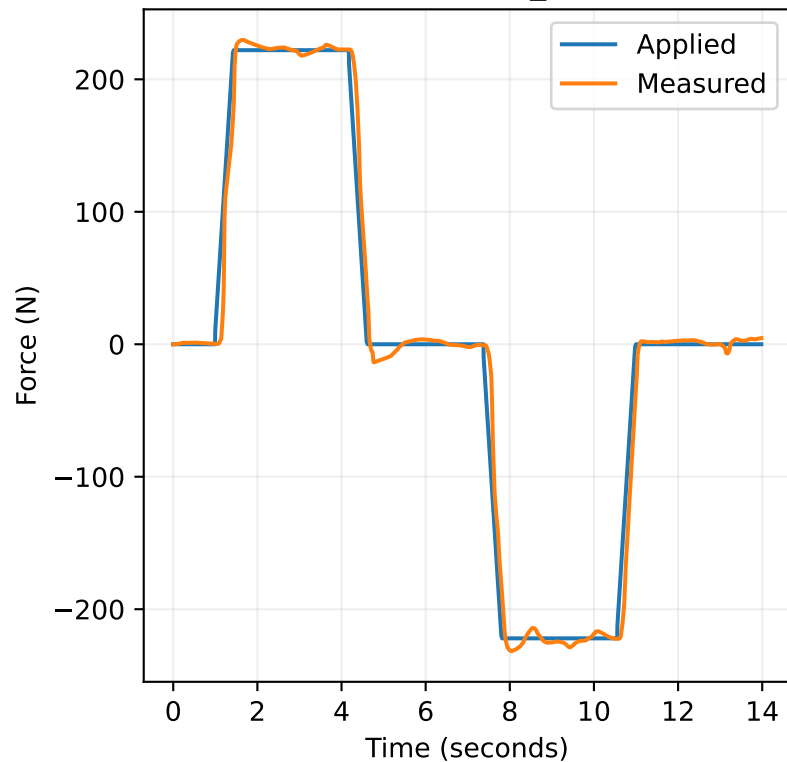Bump Test Response Delay. Actuator ID 305
2023-12-14T07:26:07

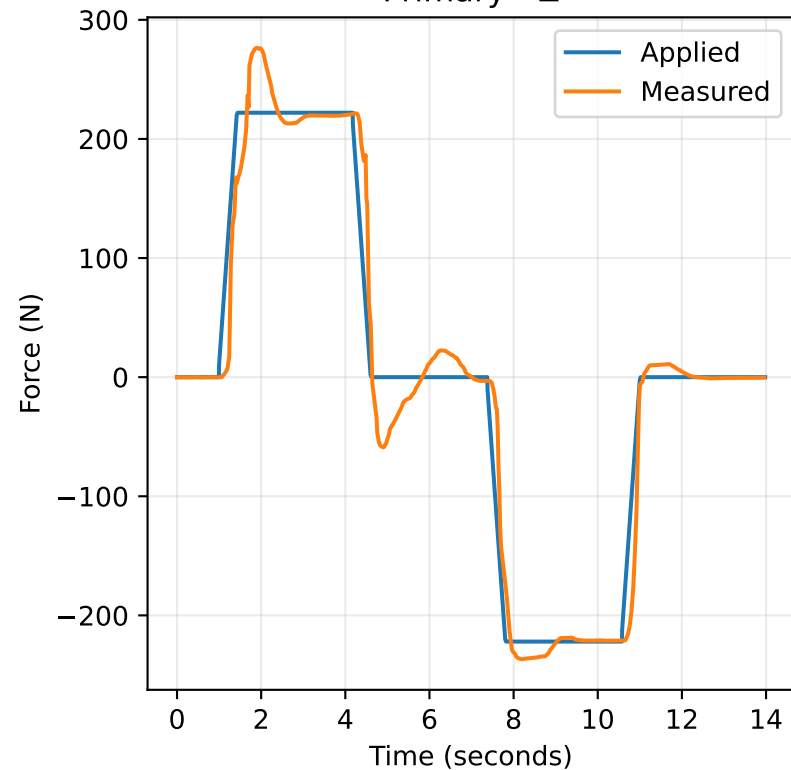Bump Test Response Delay. Actuator ID 410
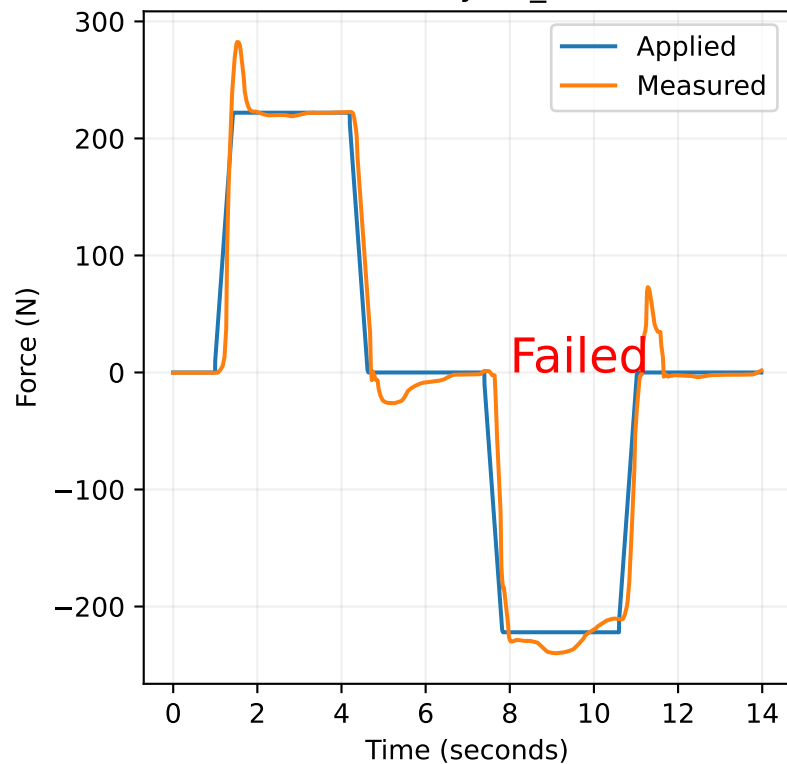2023-12-14T07:44:29

Bump Test Response Delay. Actuator ID 305
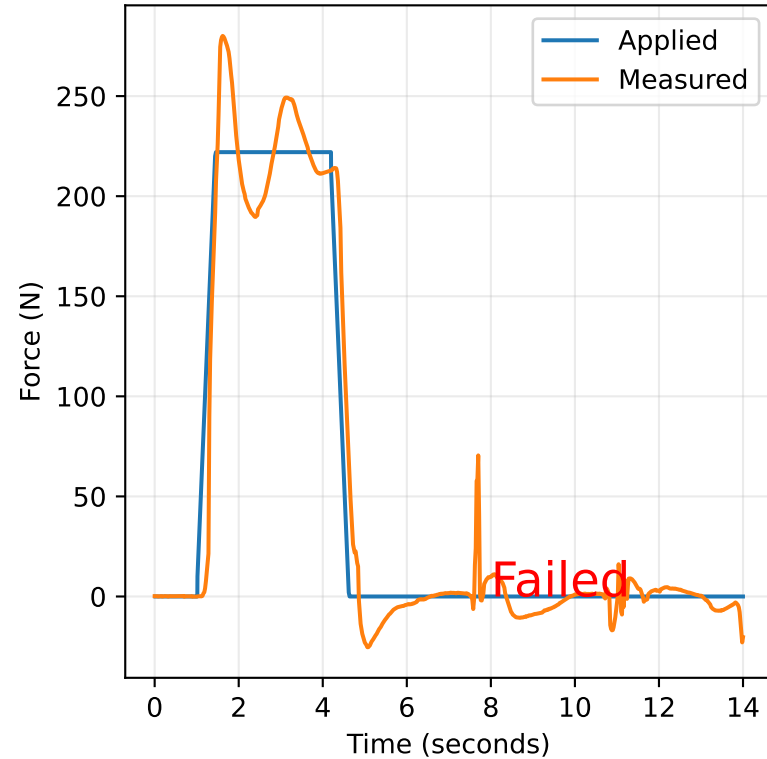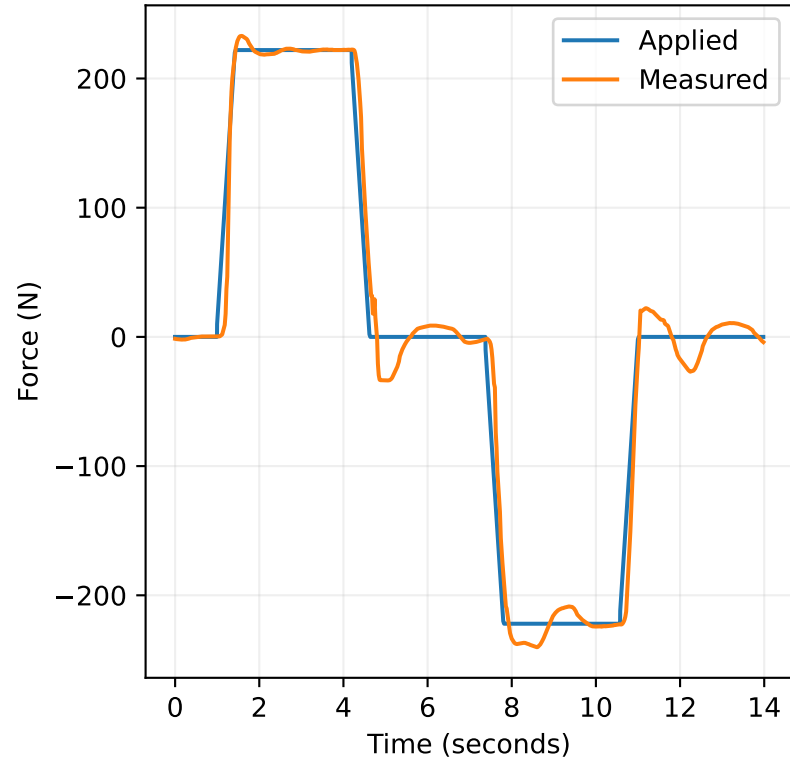2023-12-16T10:00:41

Primary - Z

Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 218
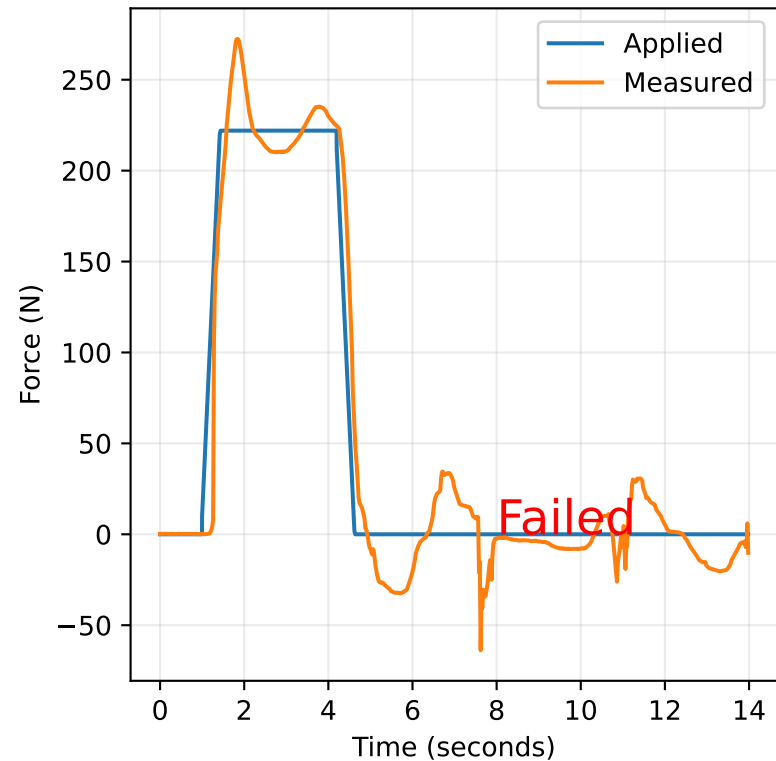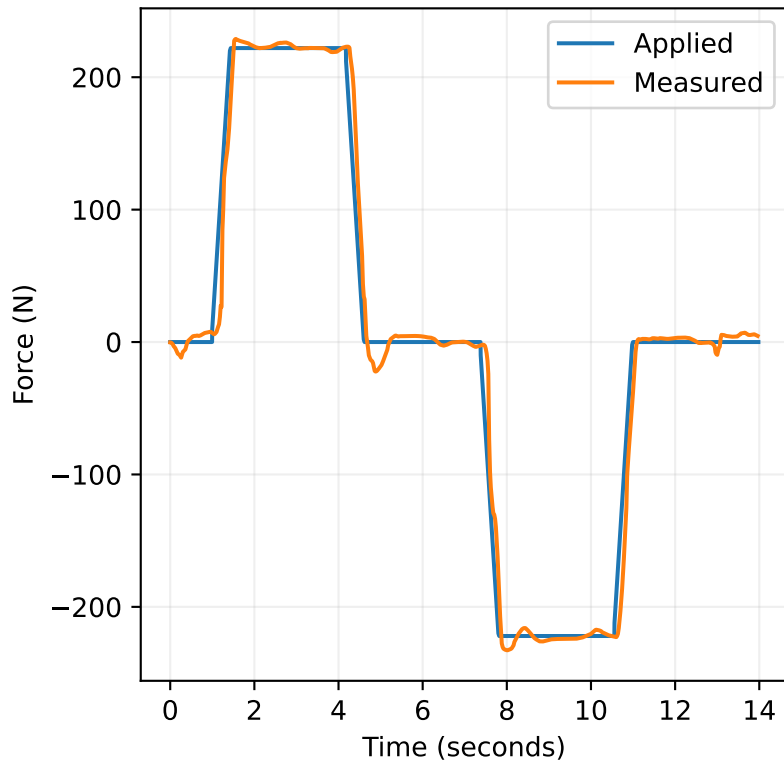2023-12-19T11:13:47

Primary - Z

Secondary - Y_PLUS

Failed

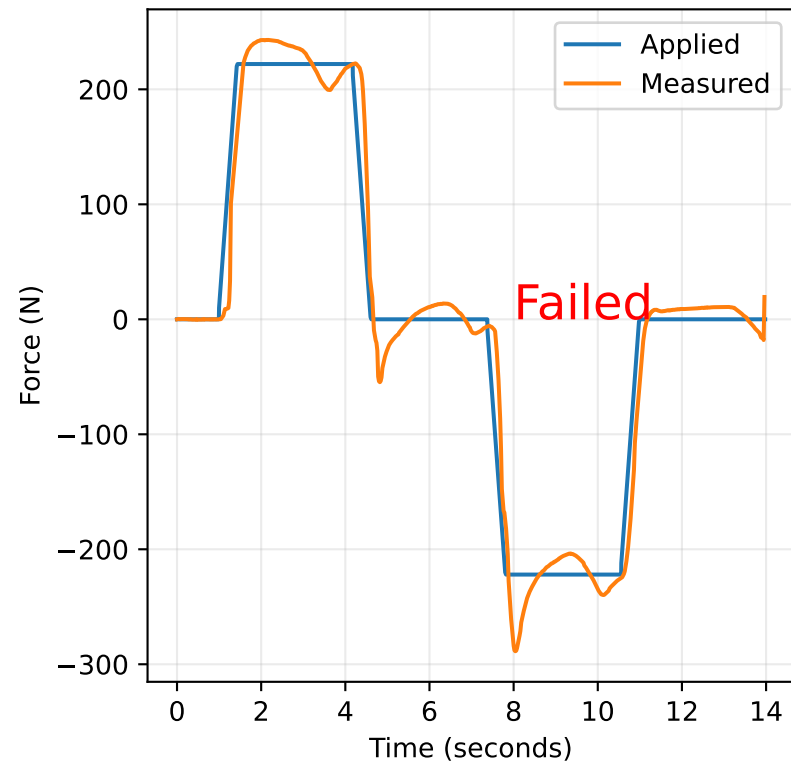# Bump Test Response Delay. Actuator ID 410
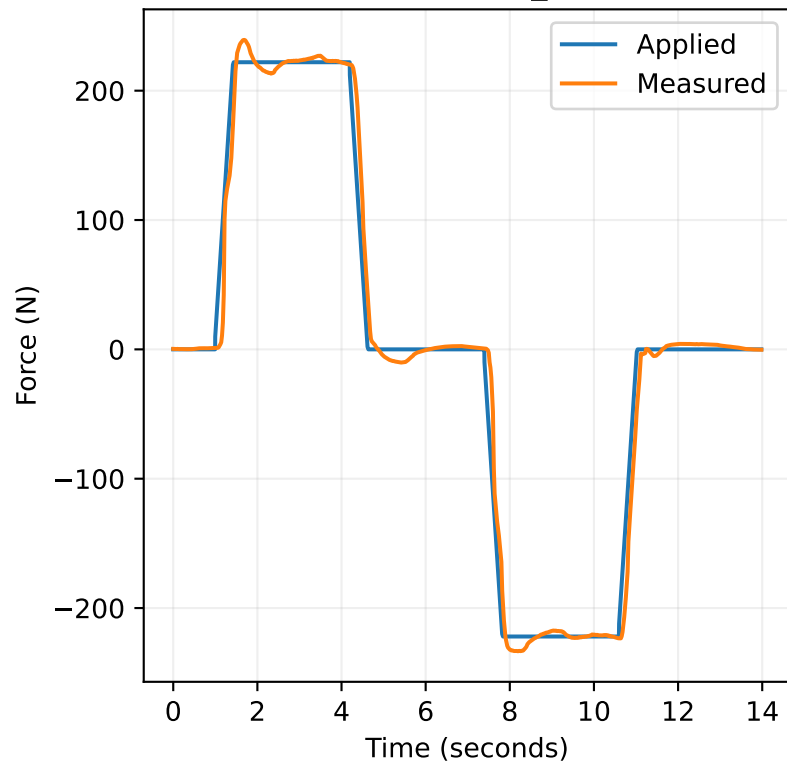## 2023-12-19T11:43:43

Bump Test Response Delay. Actuator ID 235
2023-12-20T11:28:01

Primary - Z

Secondary - X_PLUS

Failed
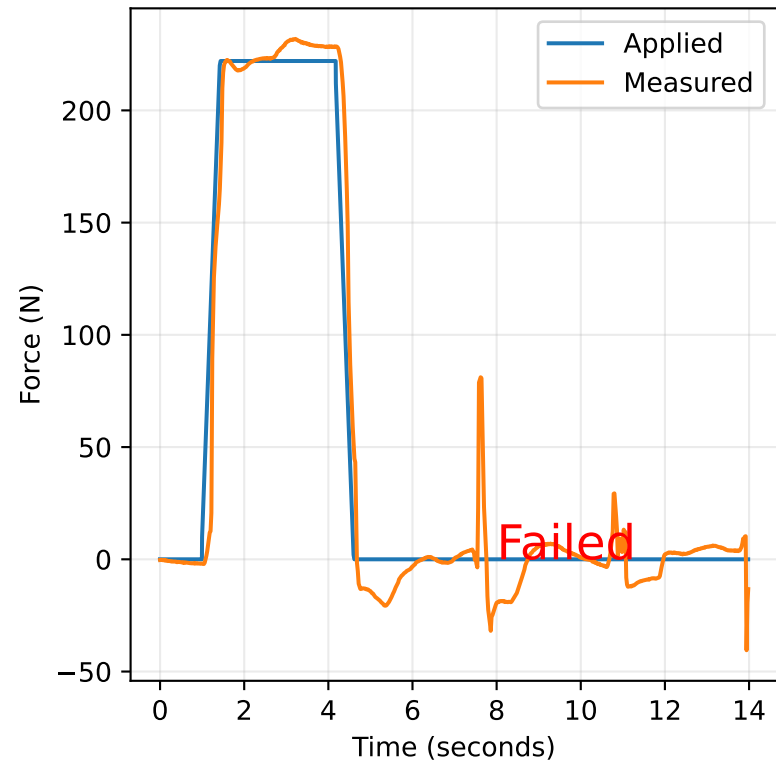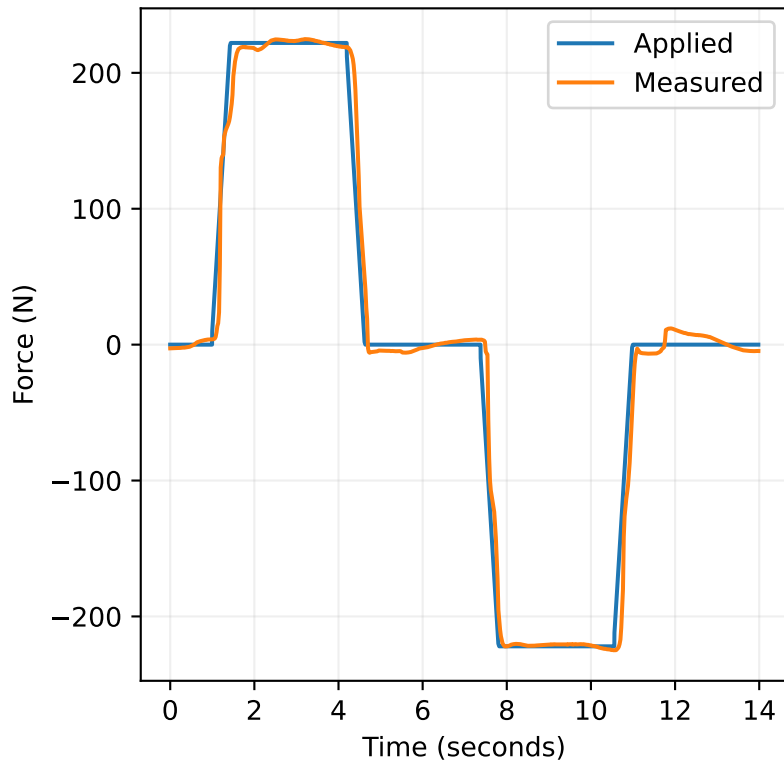
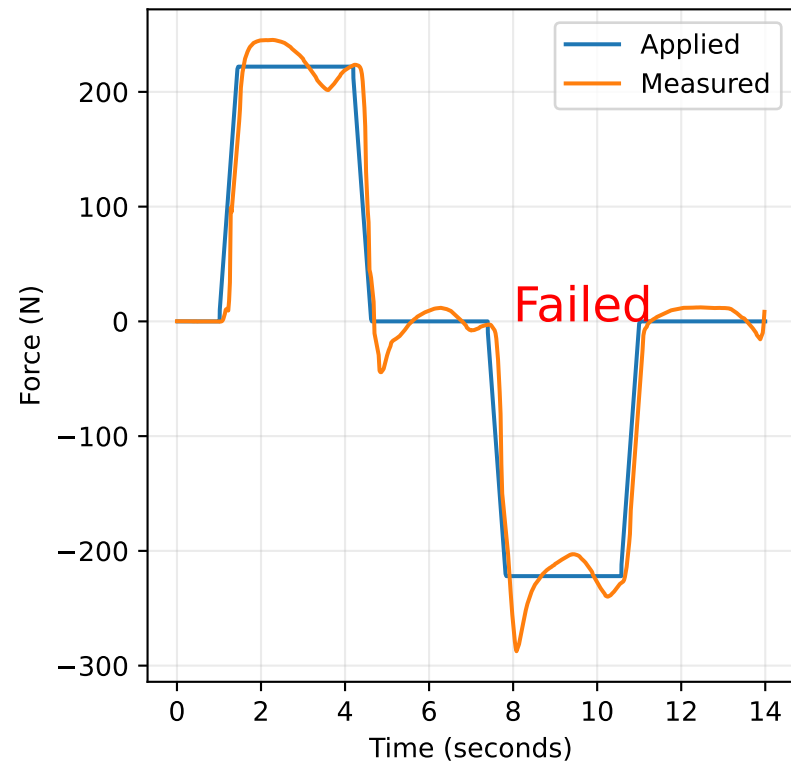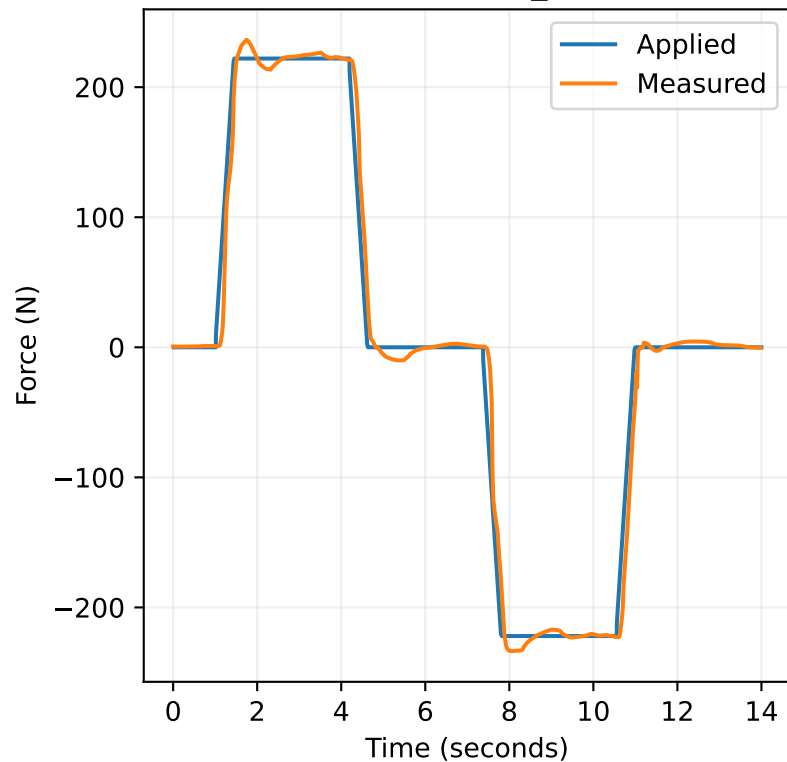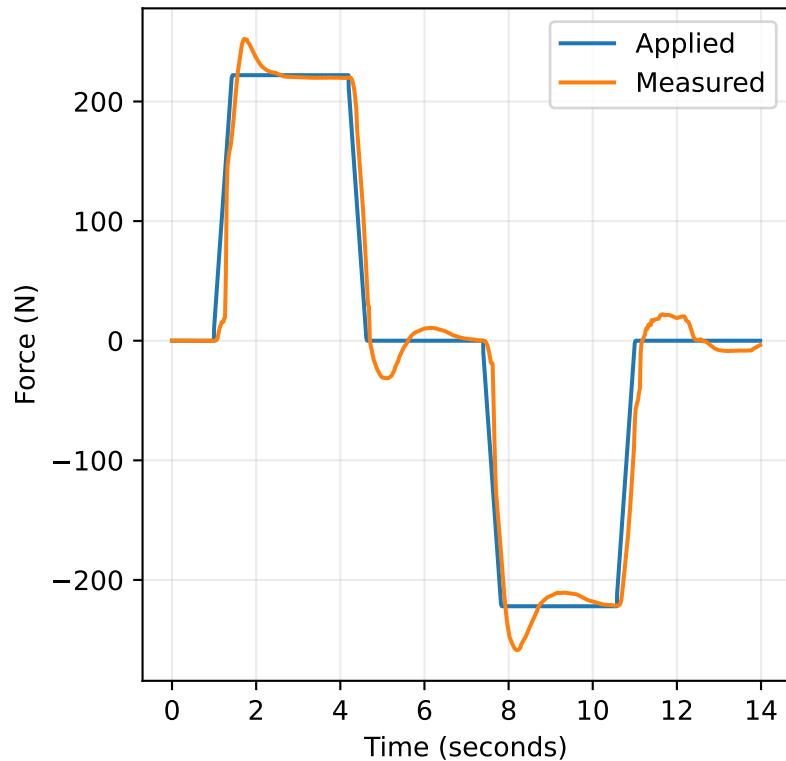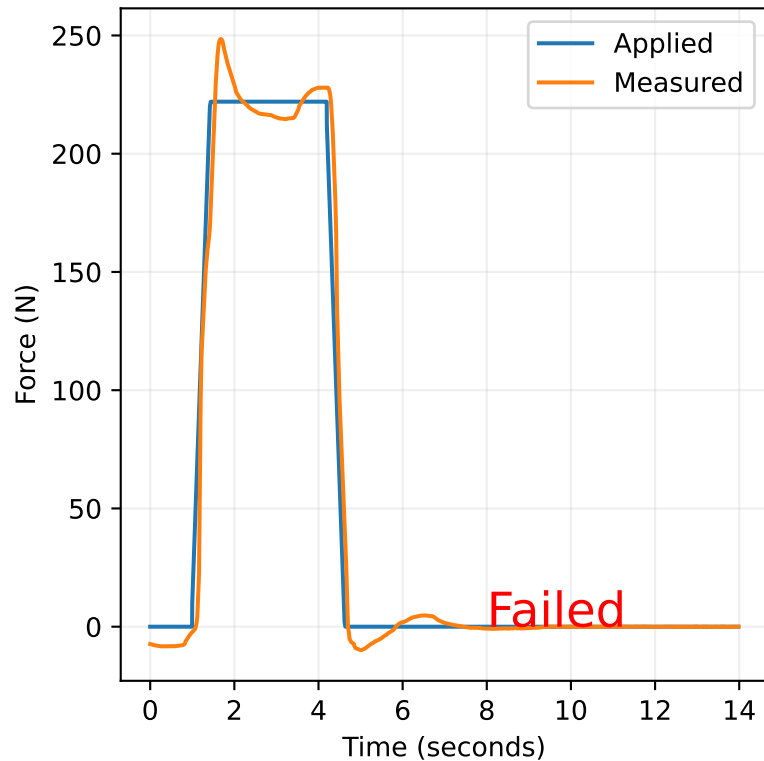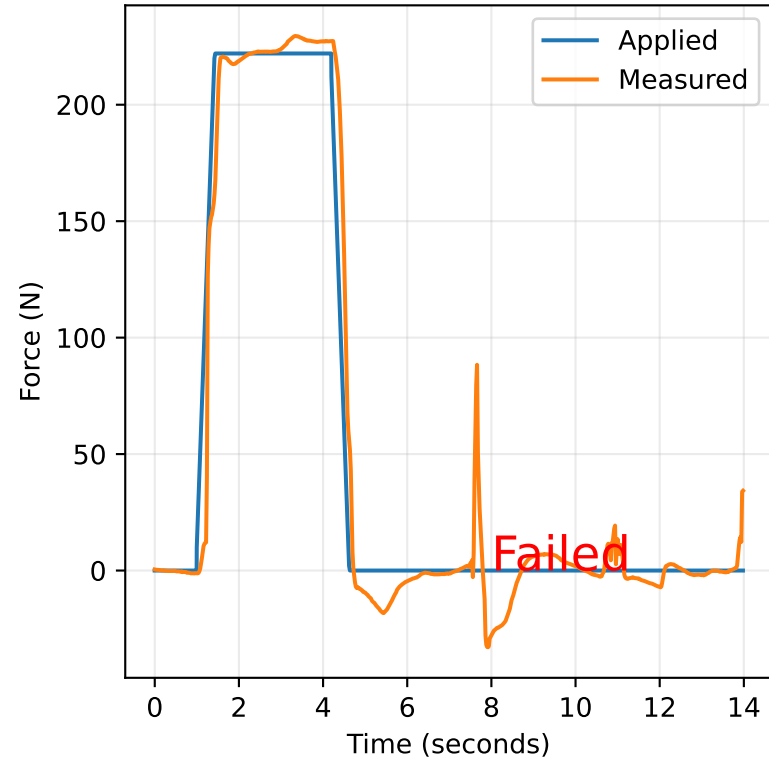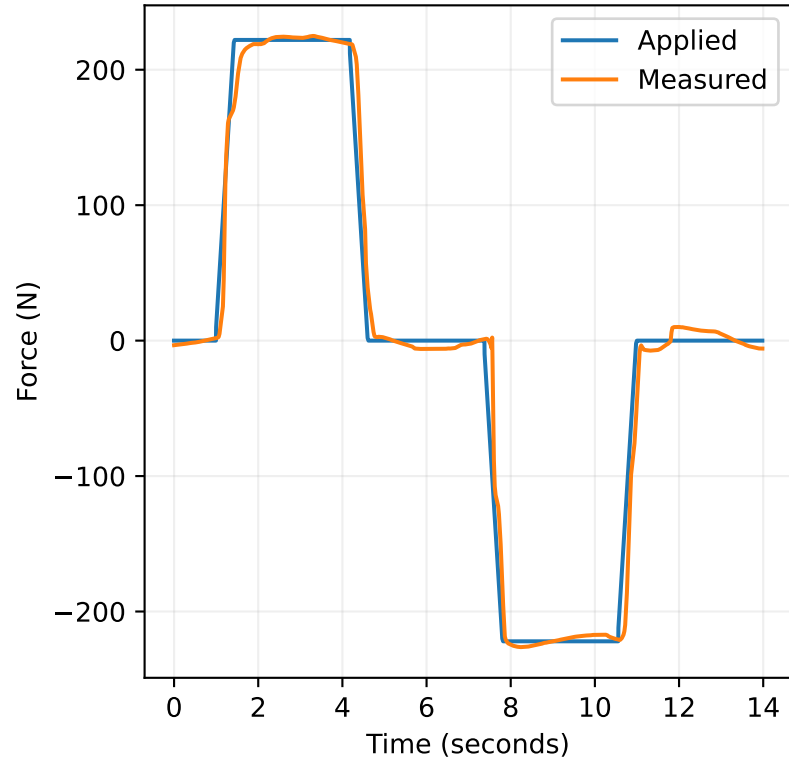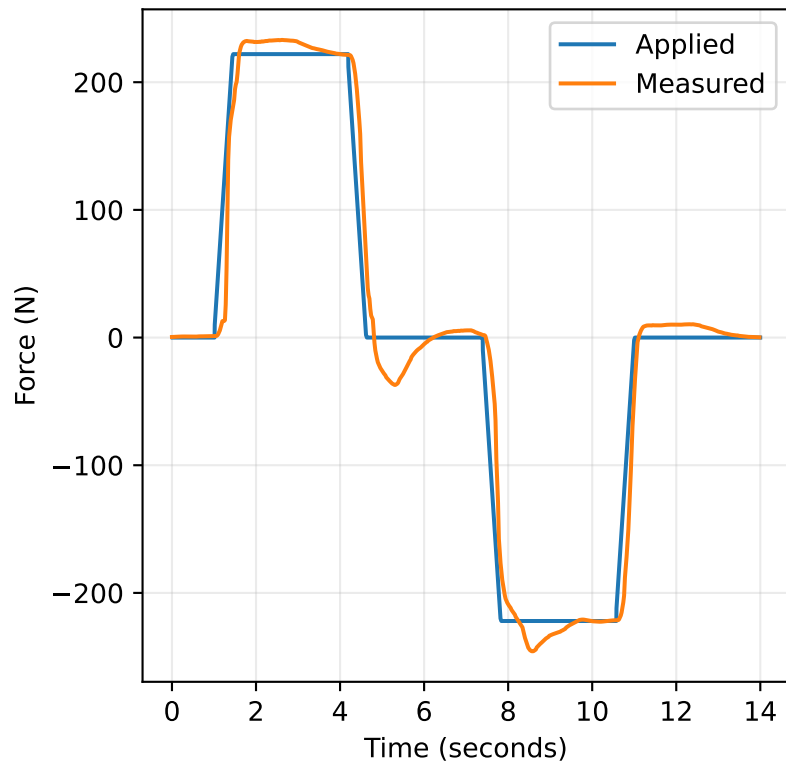# Bump Test Response Delay. Actuator ID 330
2023-12-20T11:44:16

Bump Test Response Delay. Actuator ID 235
2023-12-21T11:56:19

Bump Test Response Delay. Actuator ID 238
2023-12-22T09:20:47

Bump Test Response Delay. Actuator ID 330
2023-12-22T09:35:51

Primary - Z

Force (N)

Applied
Measured

Failed

Time (seconds)

Secondary - Y_PLUS

Force (N)

Applied
Measured

Time (seconds)
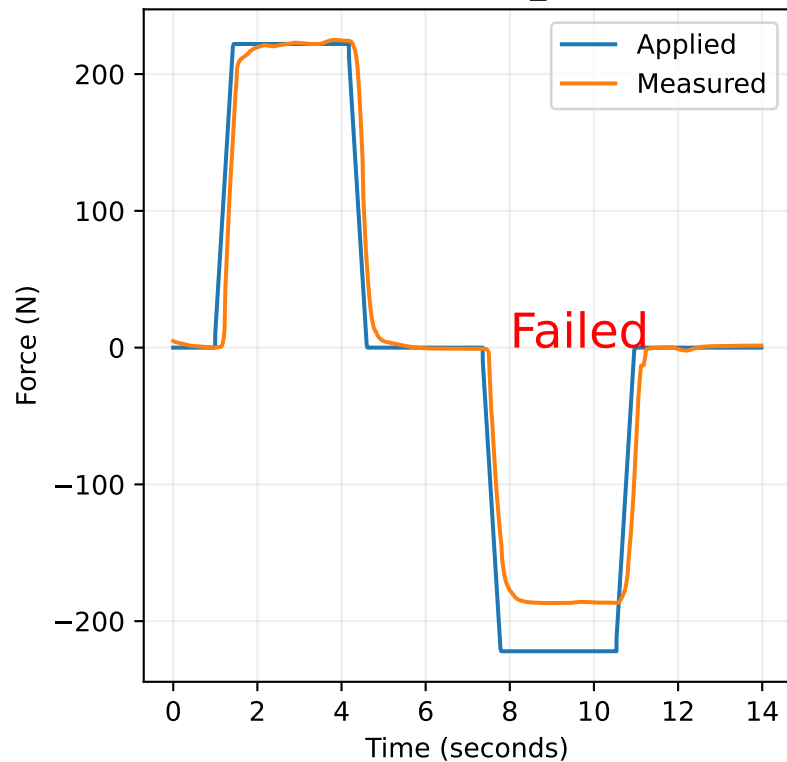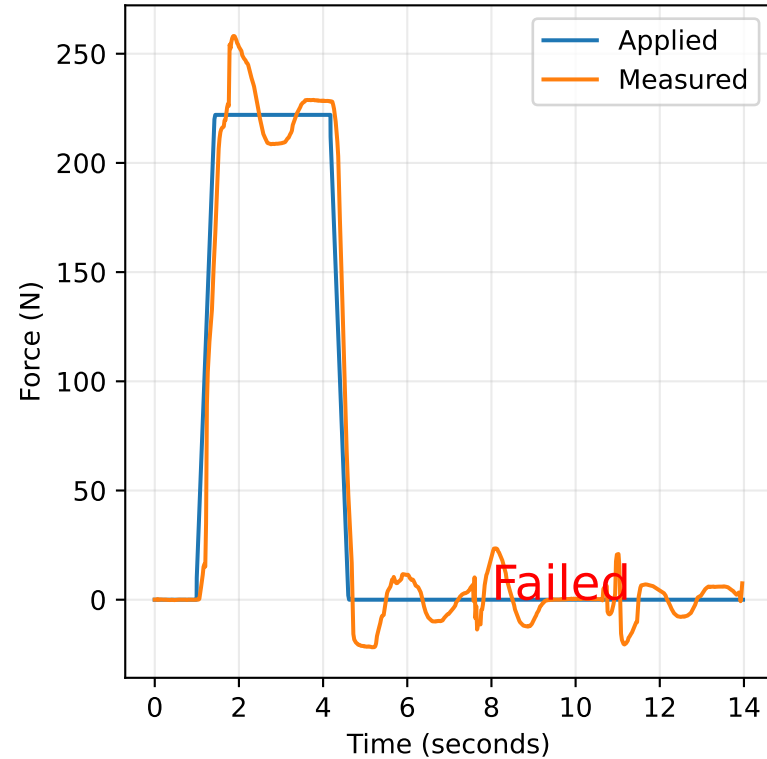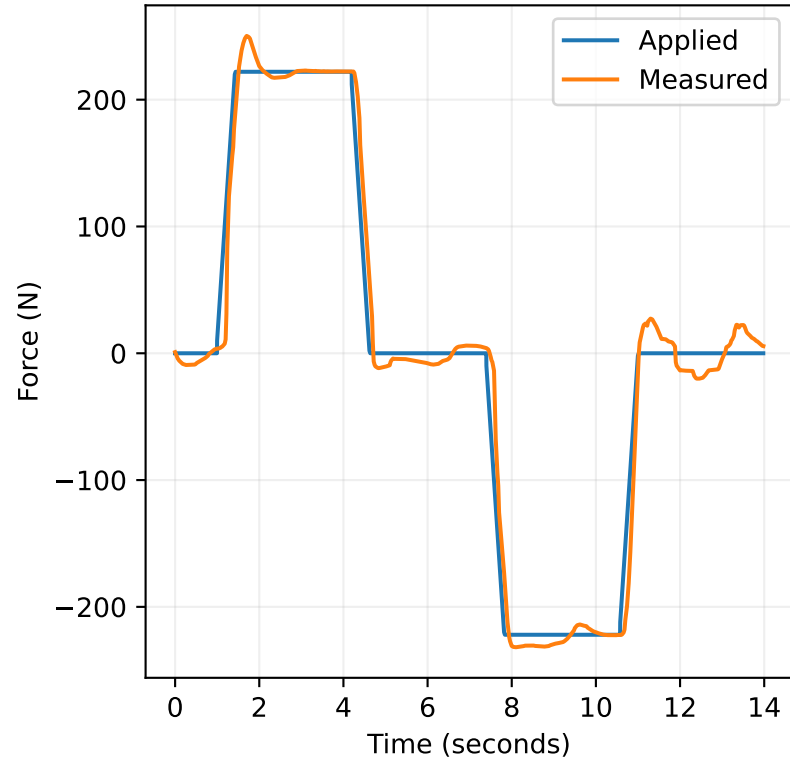
Bump Test Response Delay. Actuator ID 418
2023-12-22T09:46:03

Bump Test Response Delay. Actuator ID 109
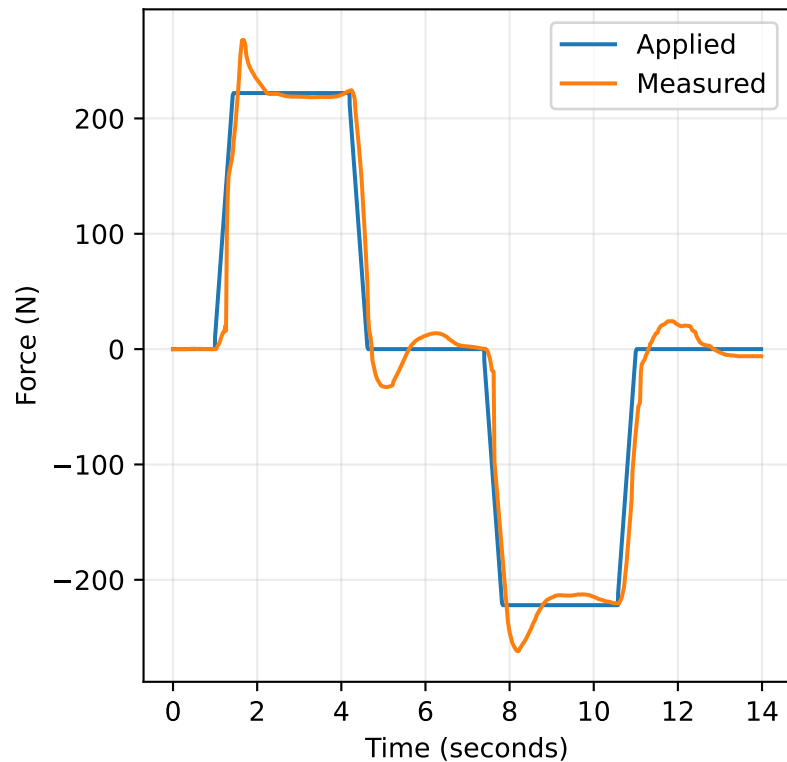## 2023-12-22T17:17:57

Primary - Z

Secondary - Y_PLUS

Applied
Measured

Failed
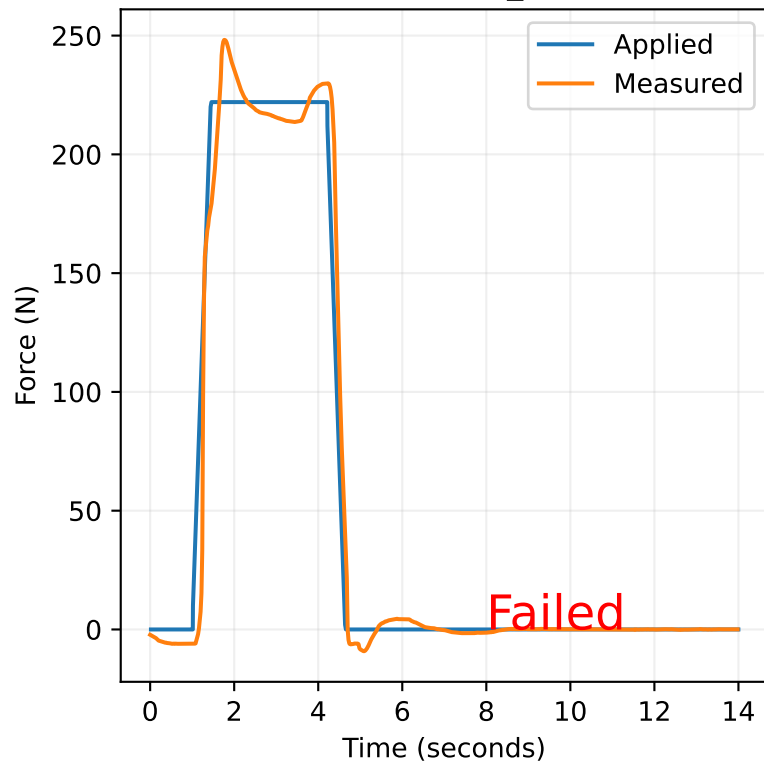
Bump Test Response Delay. Actuator ID 238
2023-12-22T17:45:52
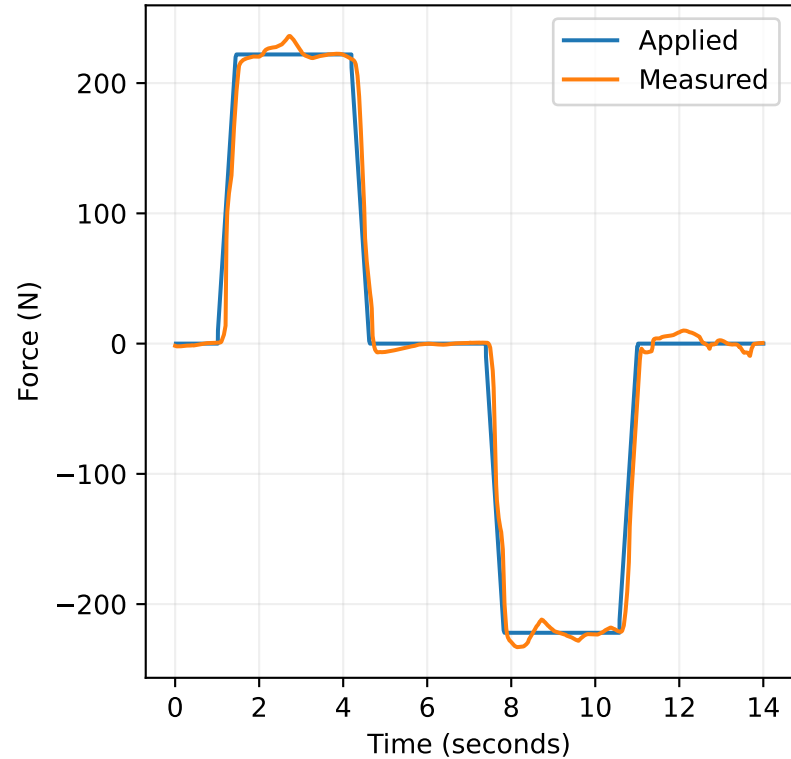
Bump Test Response Delay. Actuator ID 410
2023-12-22T18:07:39
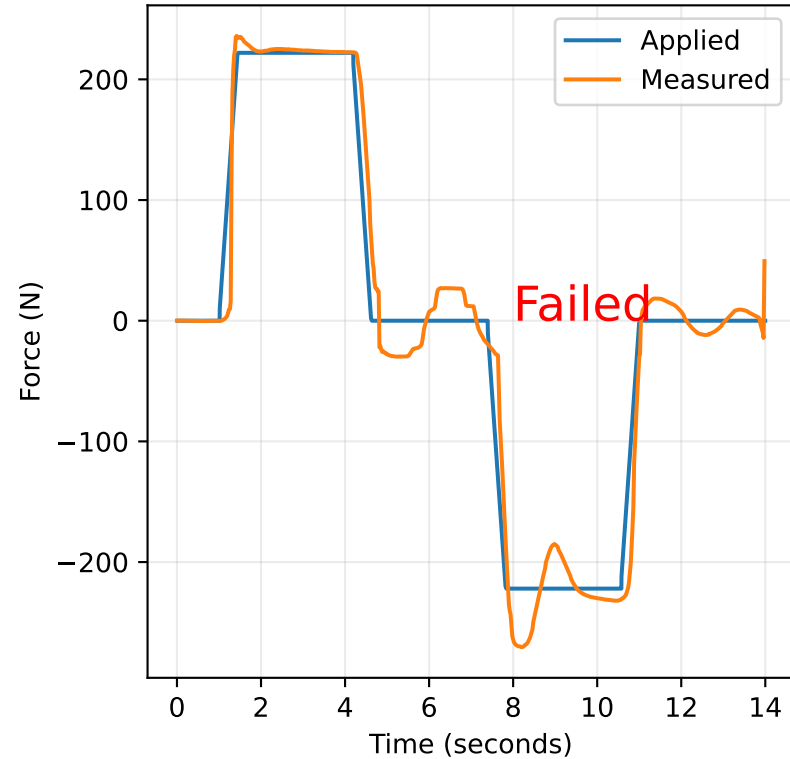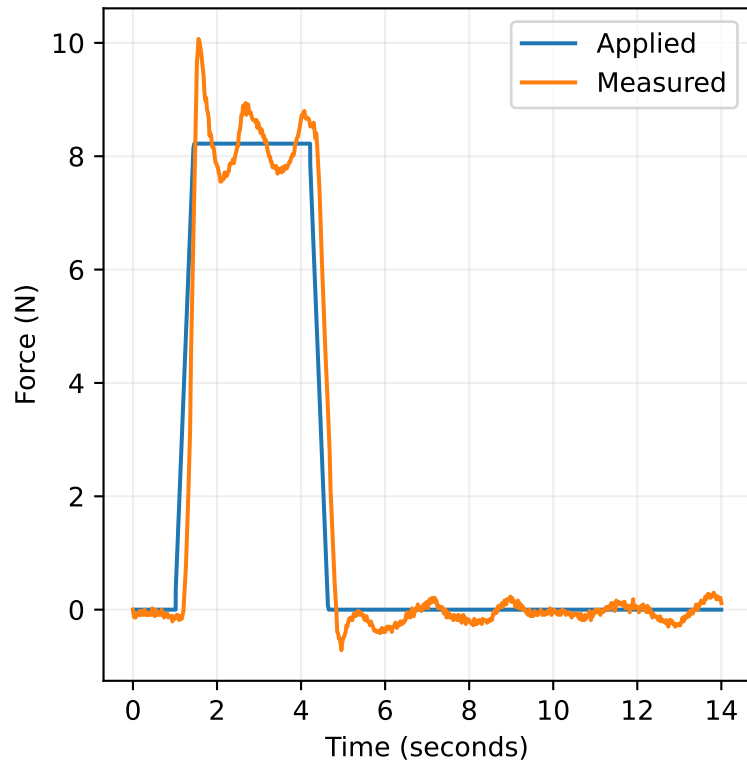
Bump Test Response Delay. Actuator ID 108
2023-12-22T20:11:05
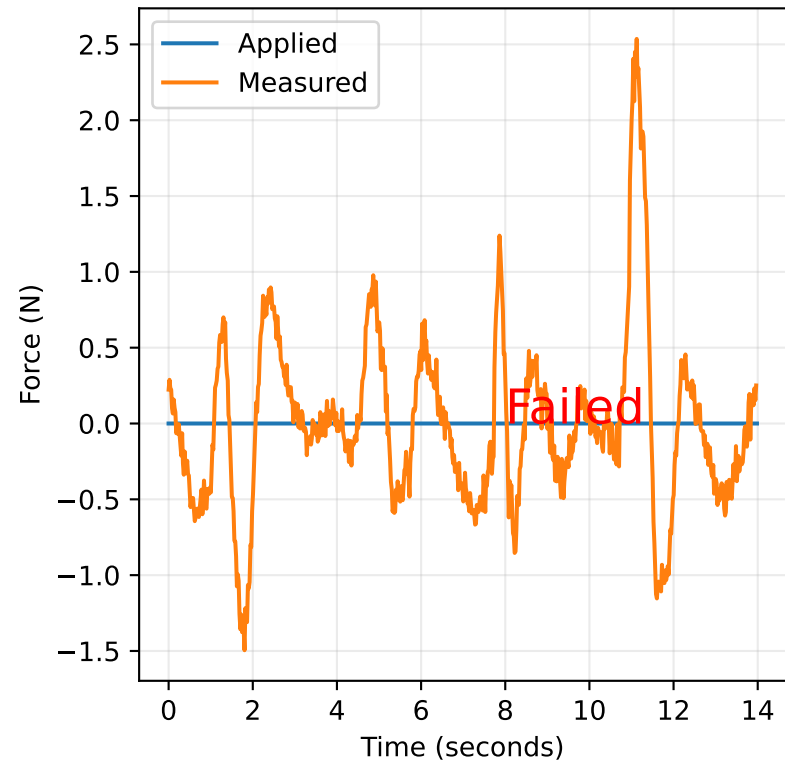
Bump Test Response Delay. Actuator ID 108
2023-12-22T20:11:05

Bump Test Response Delay. Actuator ID 310
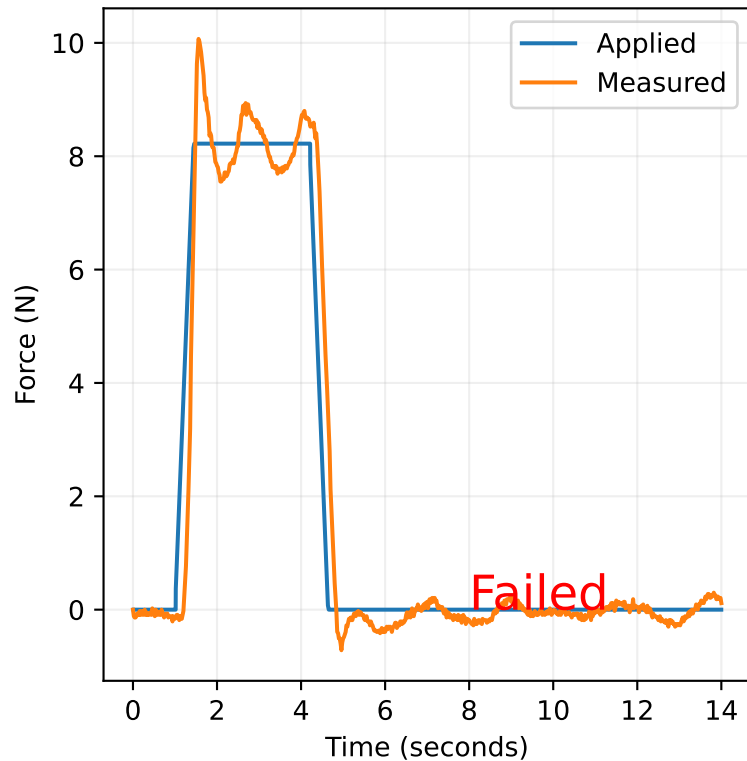## 2023-12-22T20:11:39
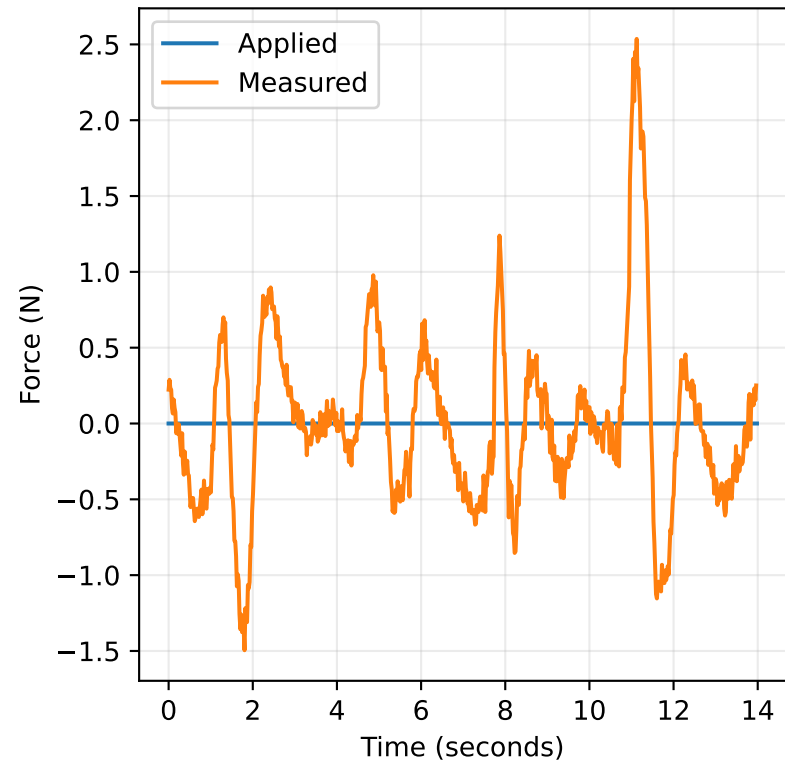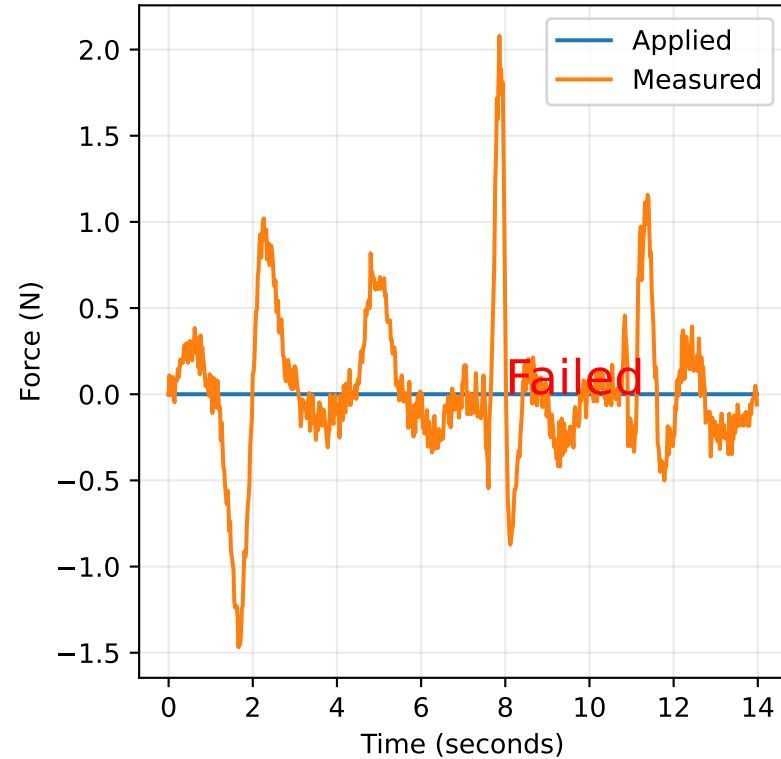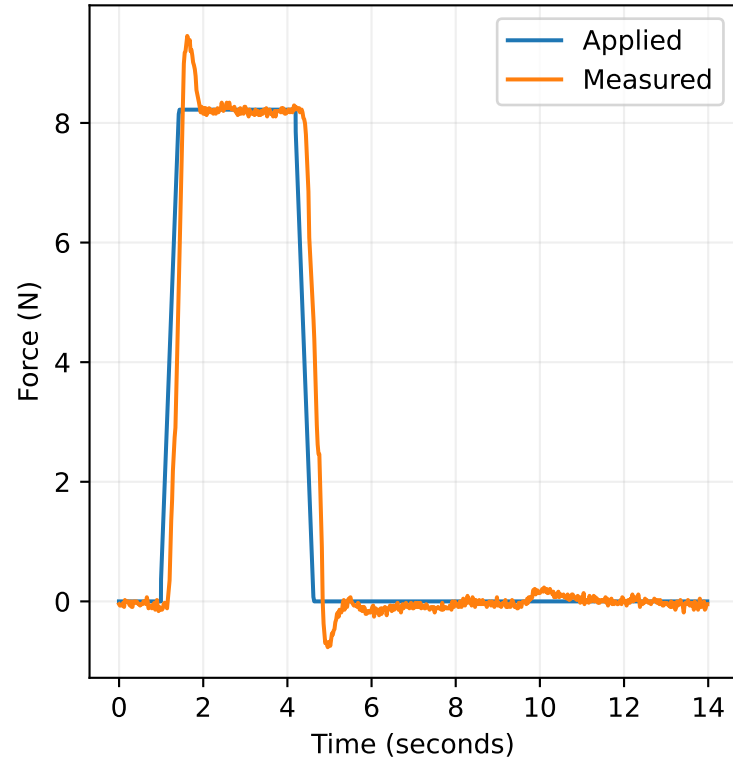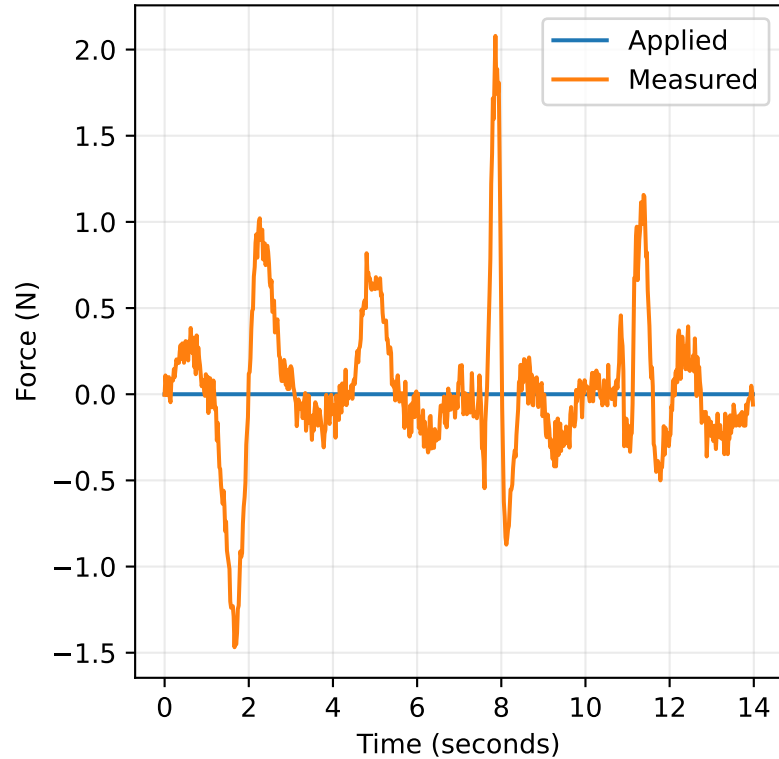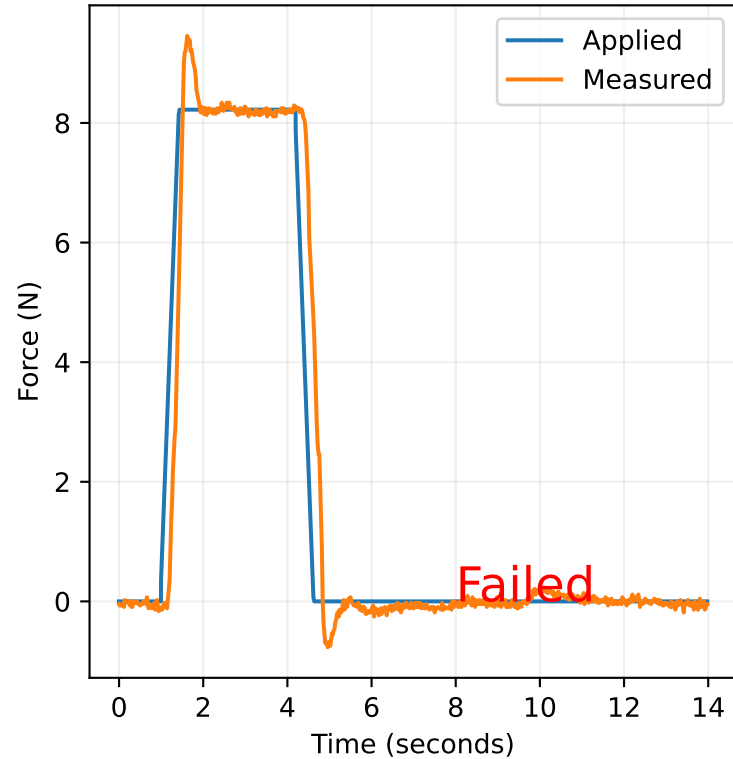
Bump Test Response Delay. Actuator ID 310
2023-12-22T20:11:39

Primary - Z
Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 422
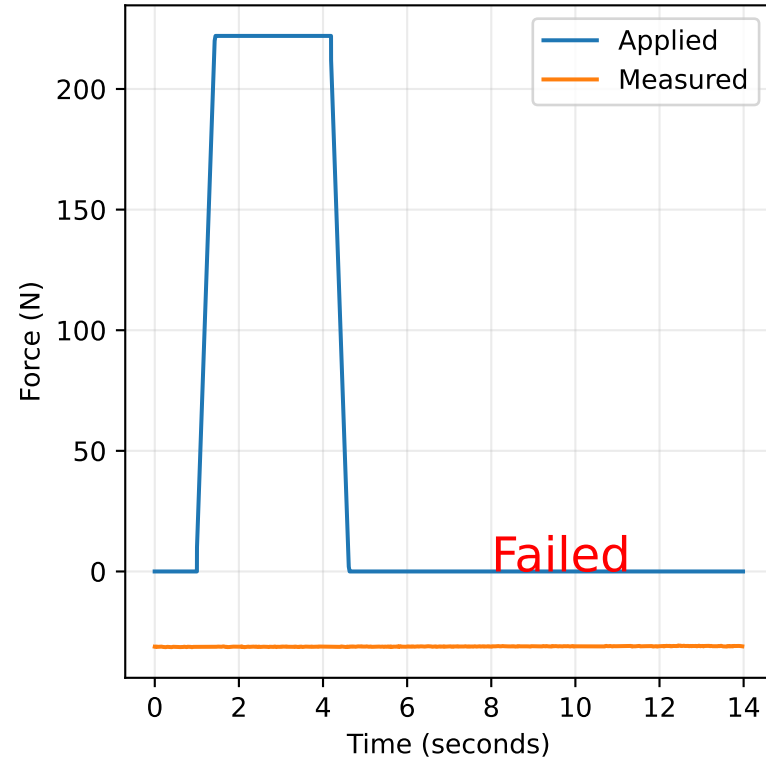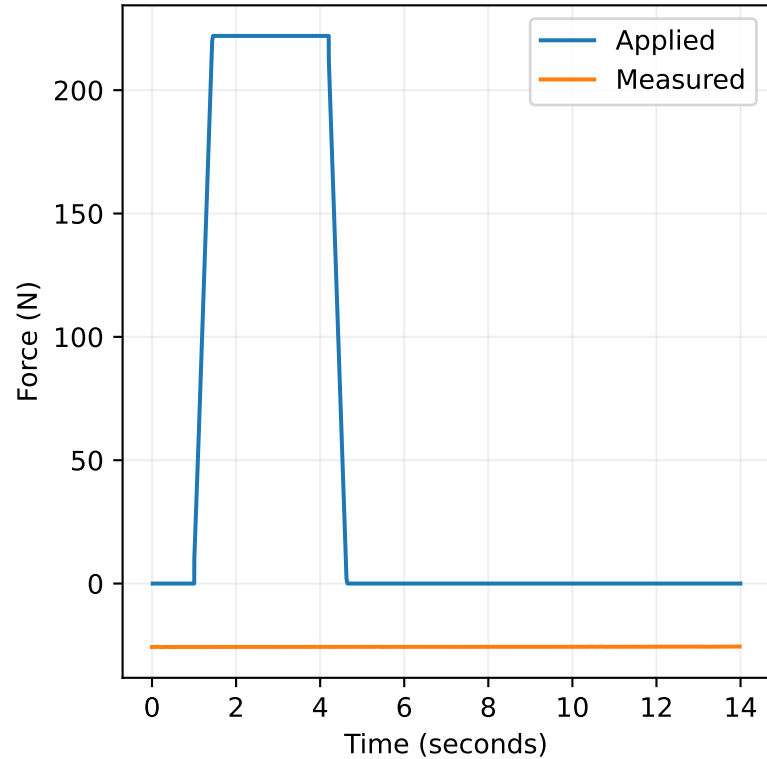2023-12-22T20:12:14
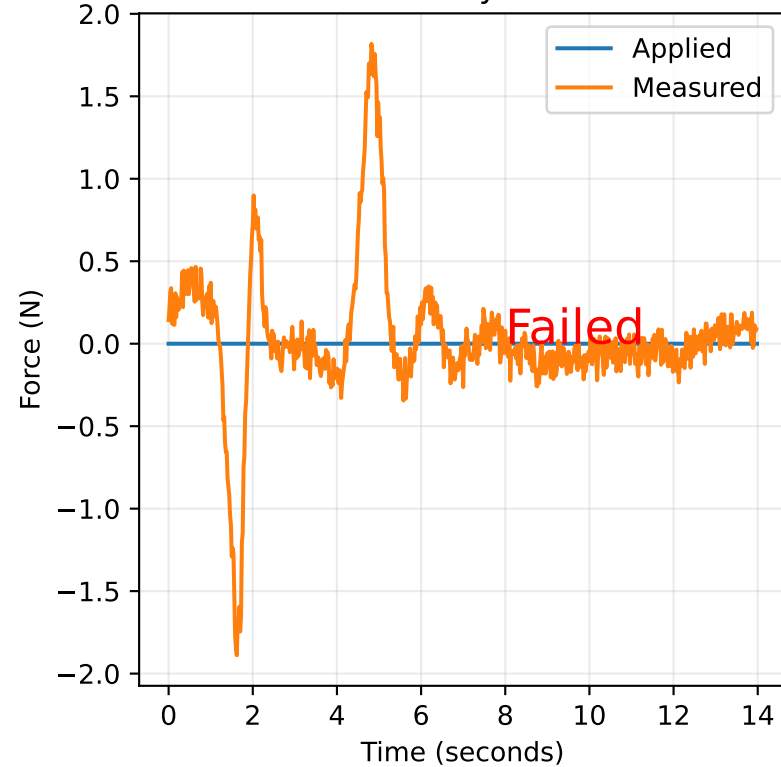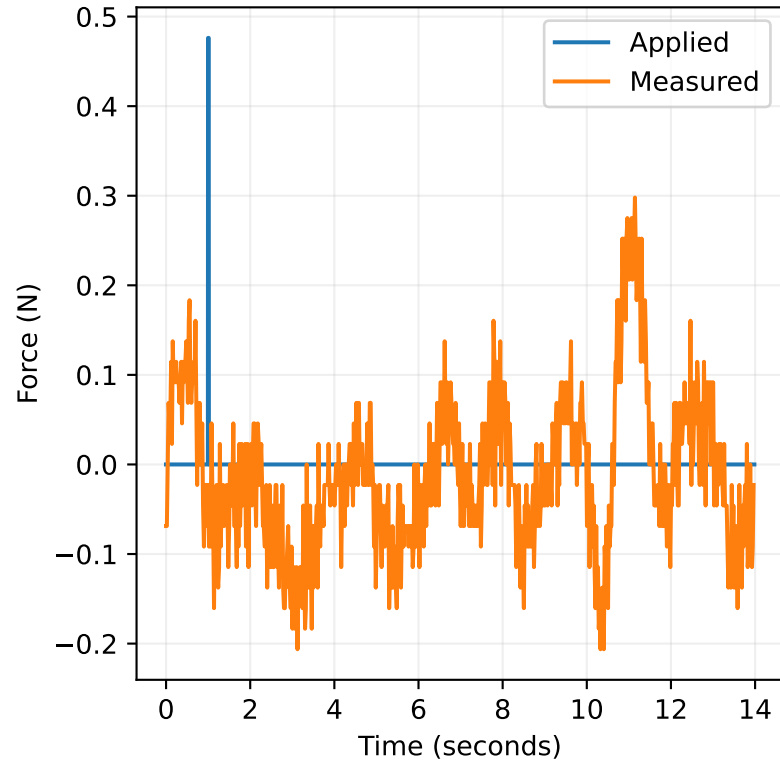
Bump Test Response Delay. Actuator ID 108
2023-12-22T20:15:21
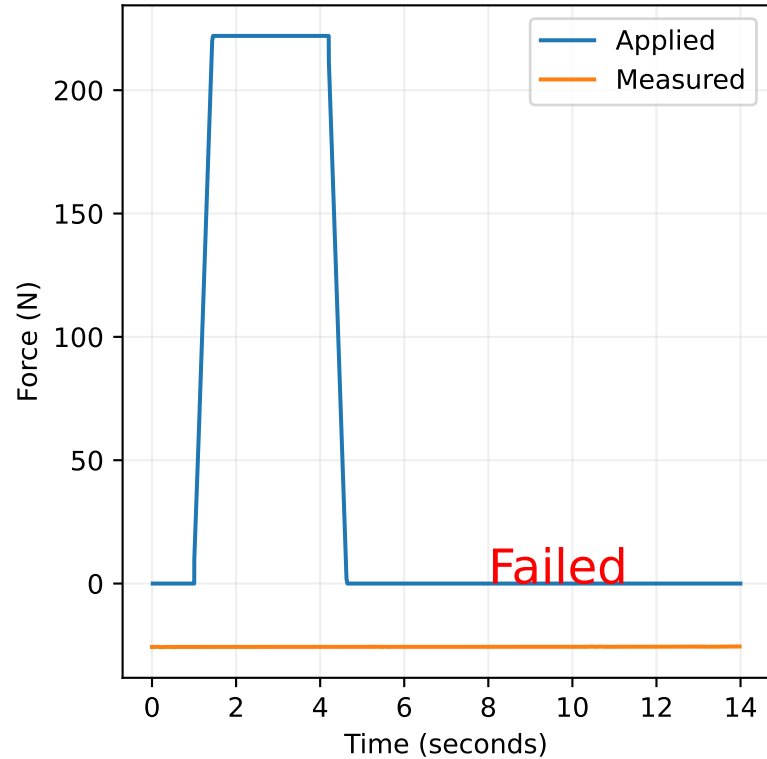
Bump Test Response Delay. Actuator ID 108
2023-12-22T20:15:21

Bump Test Response Delay. Actuator ID 310
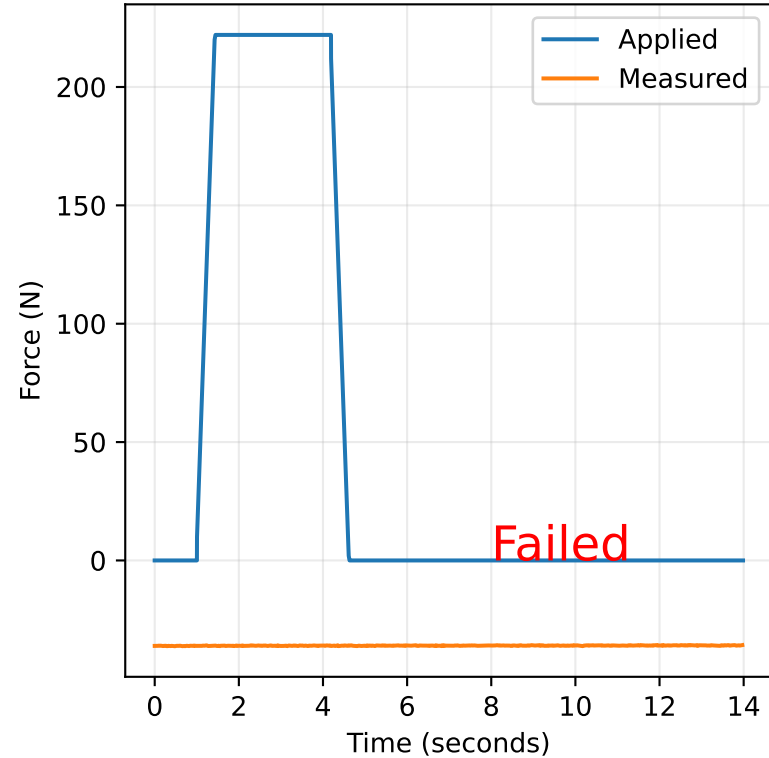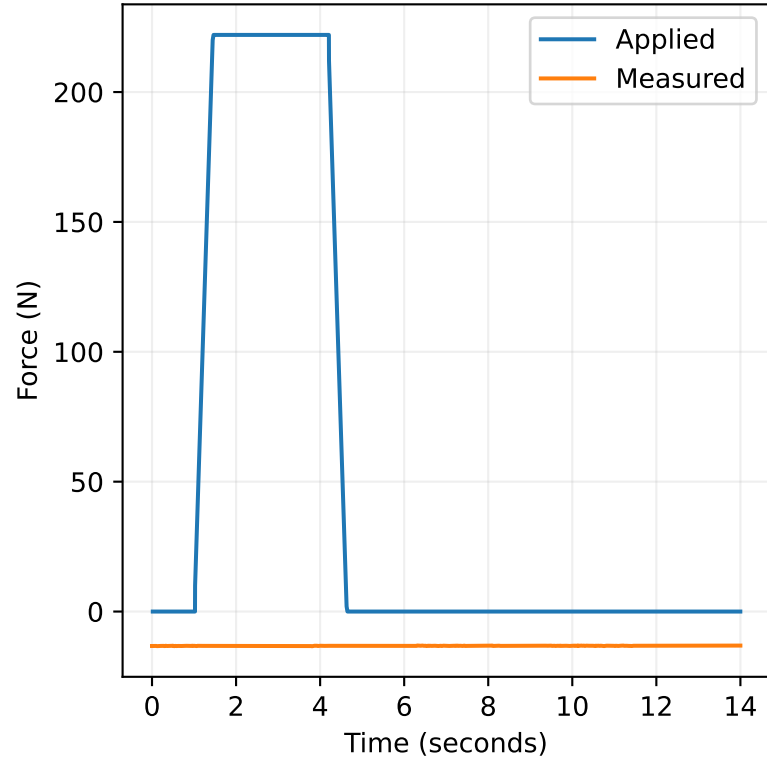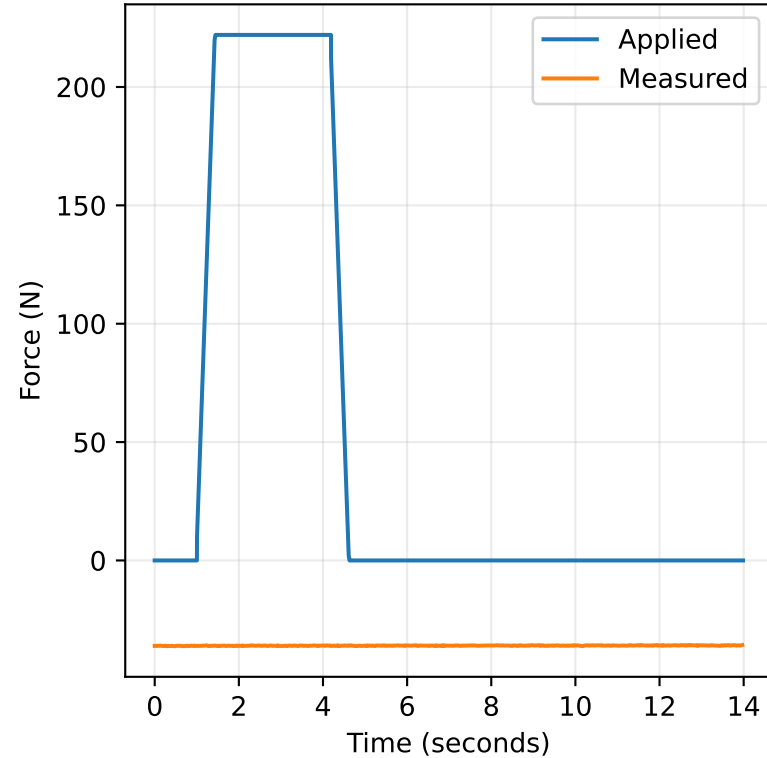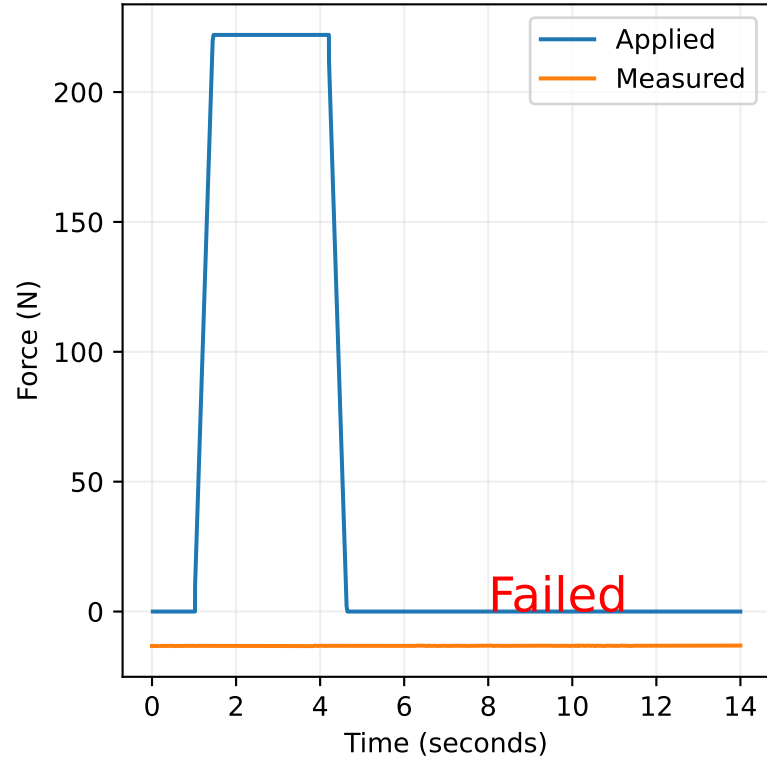## 2023-12-22T20:15:56

Primary - Z

Failed

Secondary - Y_PLUS

Bump Test Response Delay. Actuator ID 310
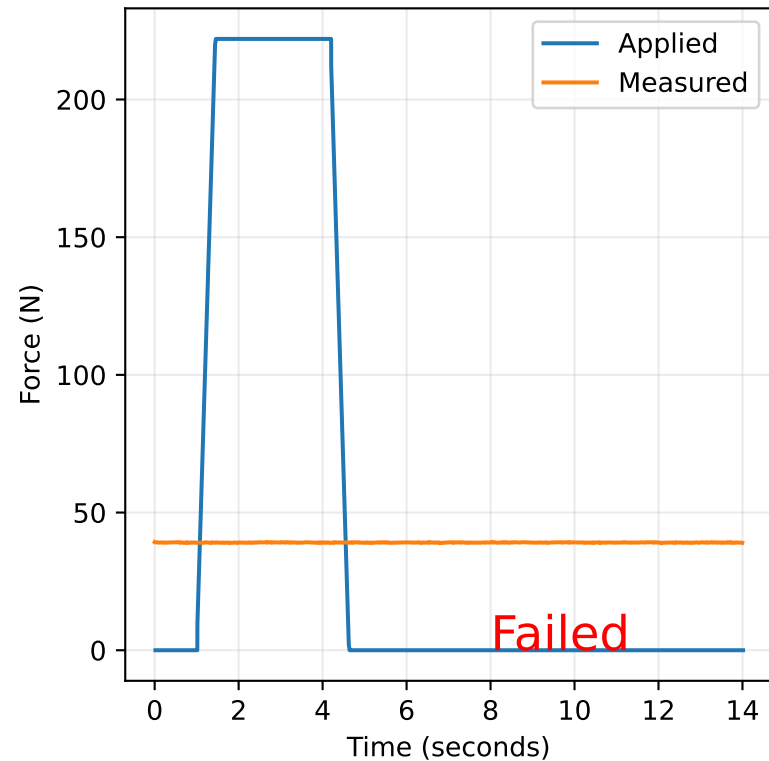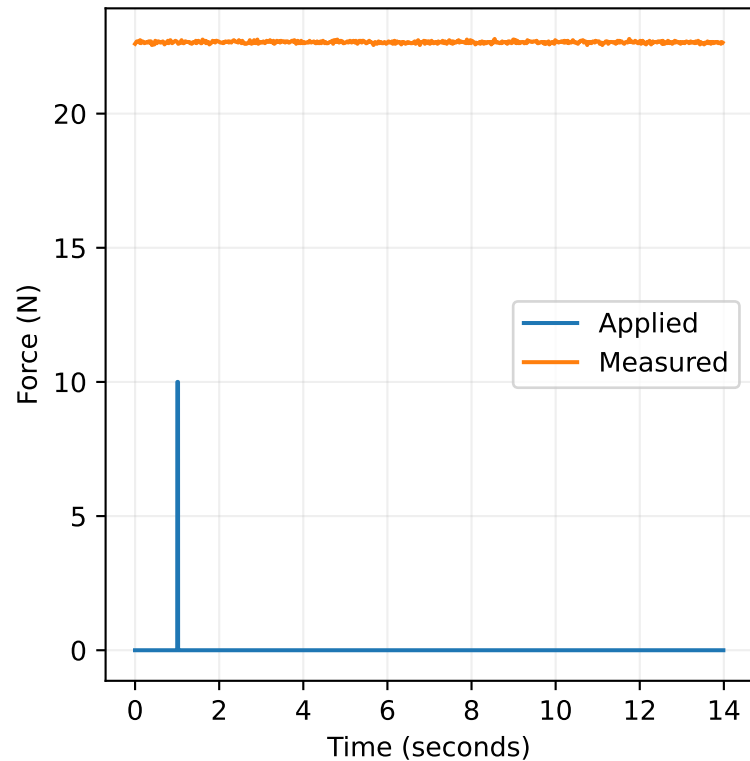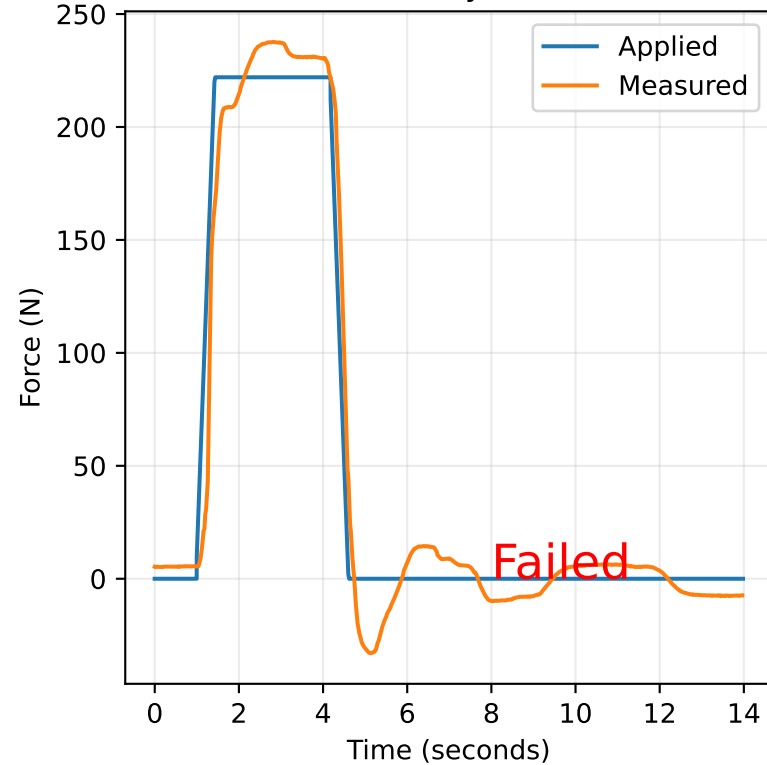## 2023-12-22T20:15:56

Primary - Z

Force (N)

- Applied
- Measured

Time (seconds)

Secondary - Y_PLUS

Force (N)

- Applied
- Measured

Failed

Time (seconds)
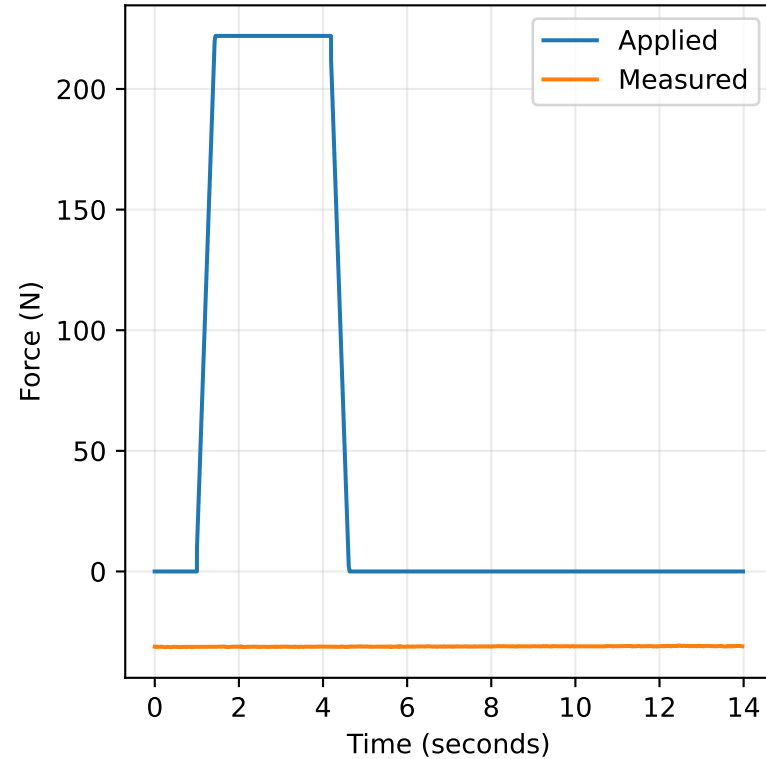
Bump Test Response Delay. Actuator ID 422
2023-12-22T20:16:30

Bump Test Response Delay. Actuator ID 105
2023-12-23T02:44:51

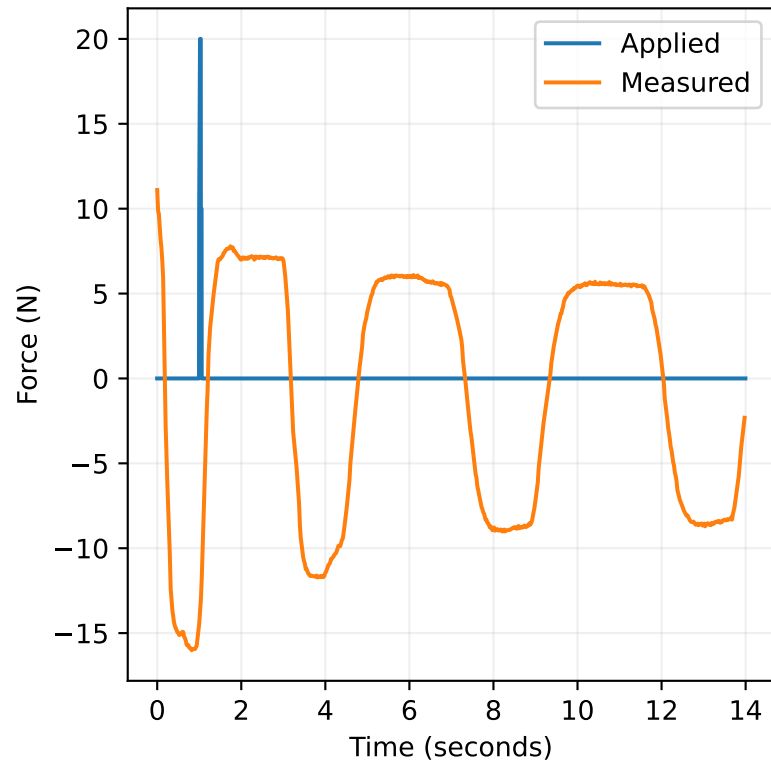**Primary - Z**

- Applied
- Measured

Failed

Secondary - Y_PLUS

- Applied
- Measured
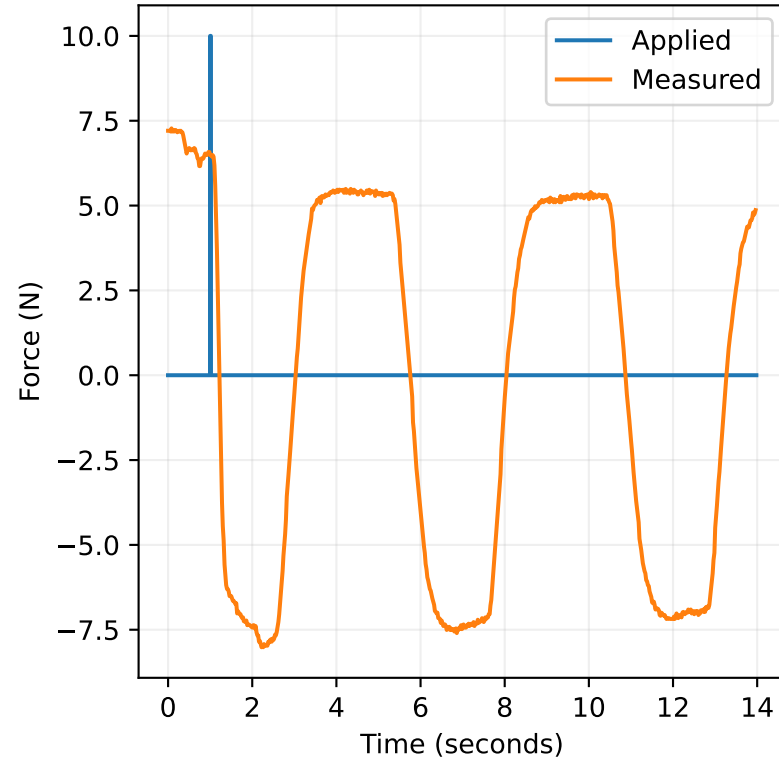
Bump Test Response Delay. Actuator ID 105
2023-12-23T02:46:14
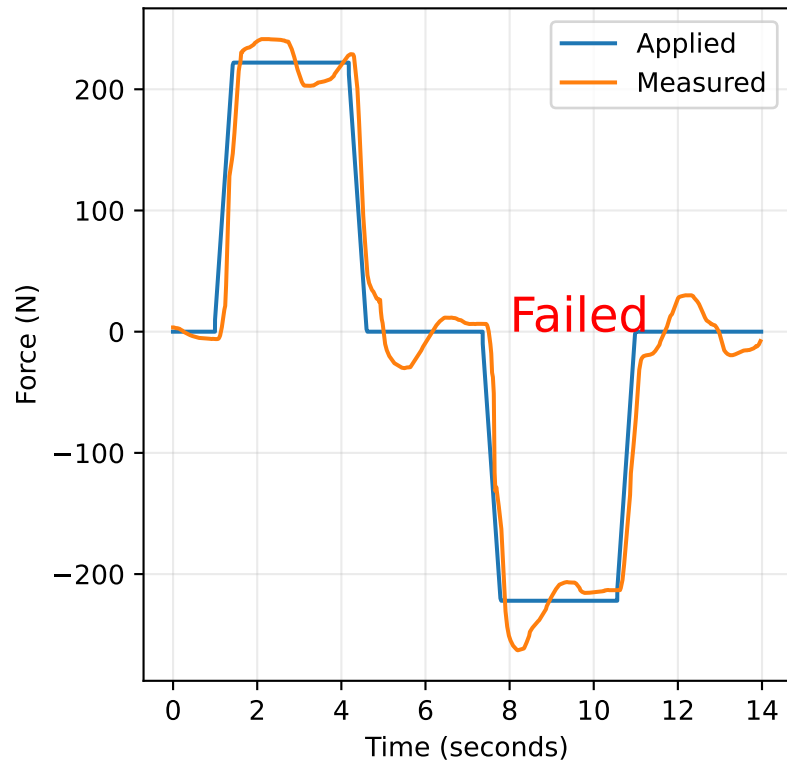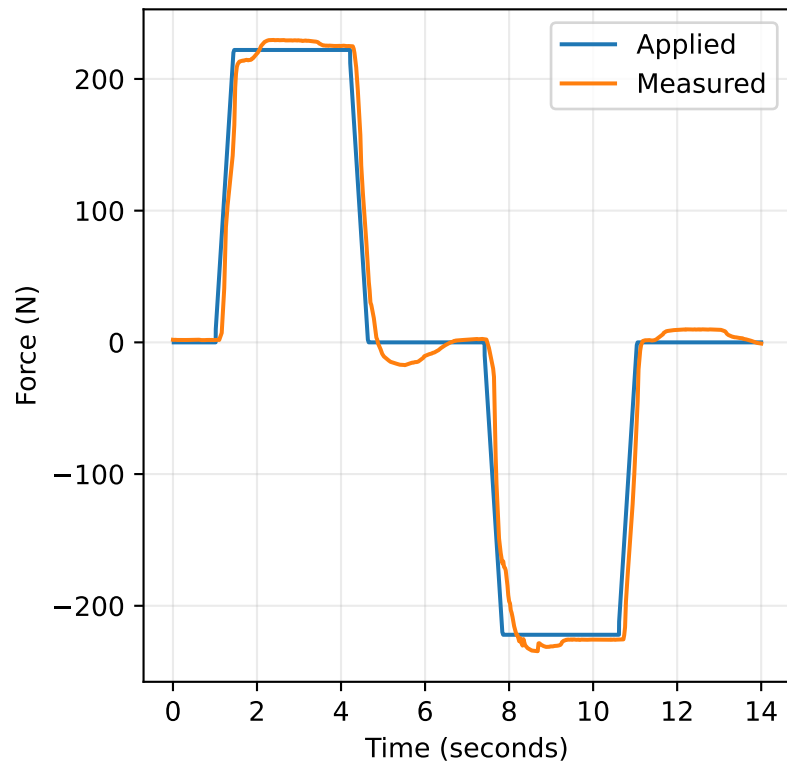
Bump Test Response Delay. Actuator ID 105
2023-12-26T17:13:29

Primary - Z
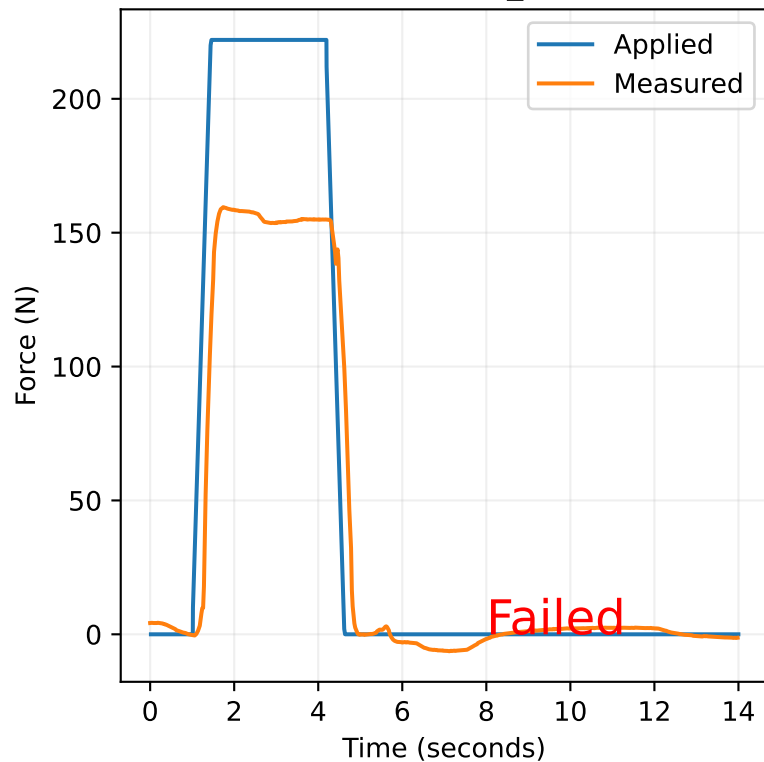
Force (N)

Time (seconds)
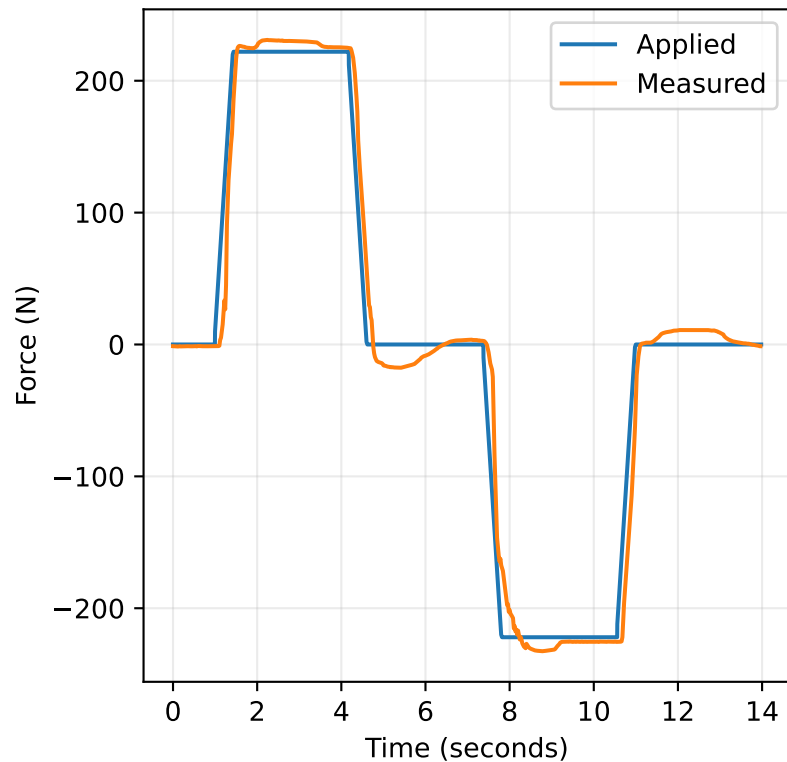
Applied
Measured

Secondary - Y_PLUS

Force (N)

Time (seconds)

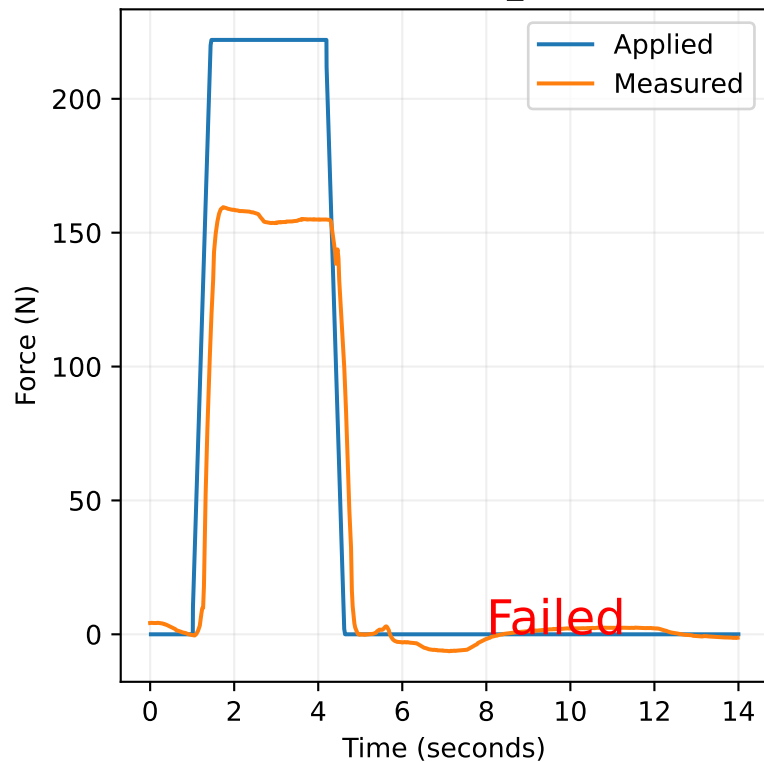Applied
Measured

Failed

Bump Test Response Delay. Actuator ID 105
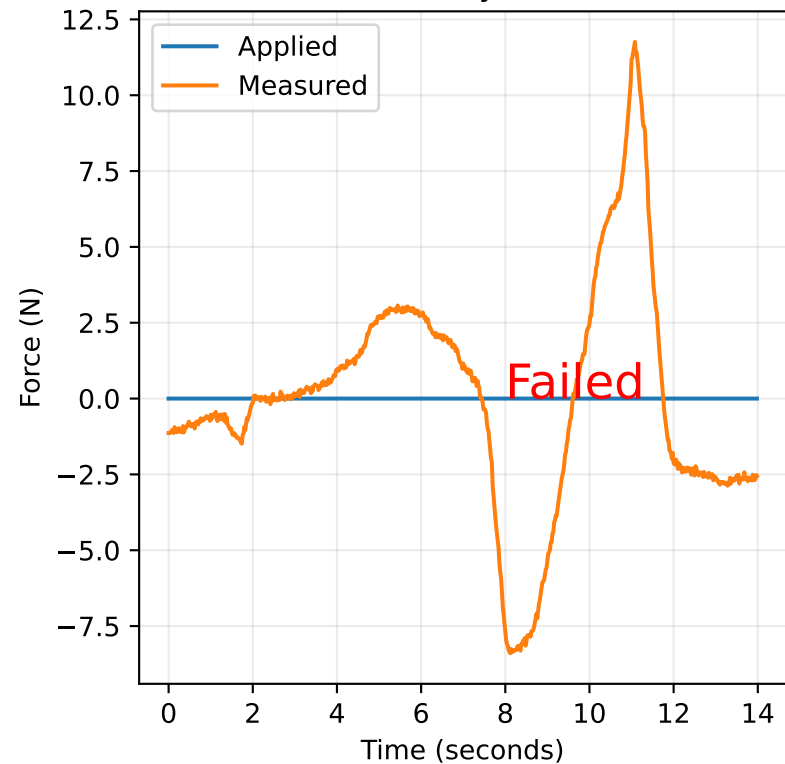**2023-12-26T17:14:16**

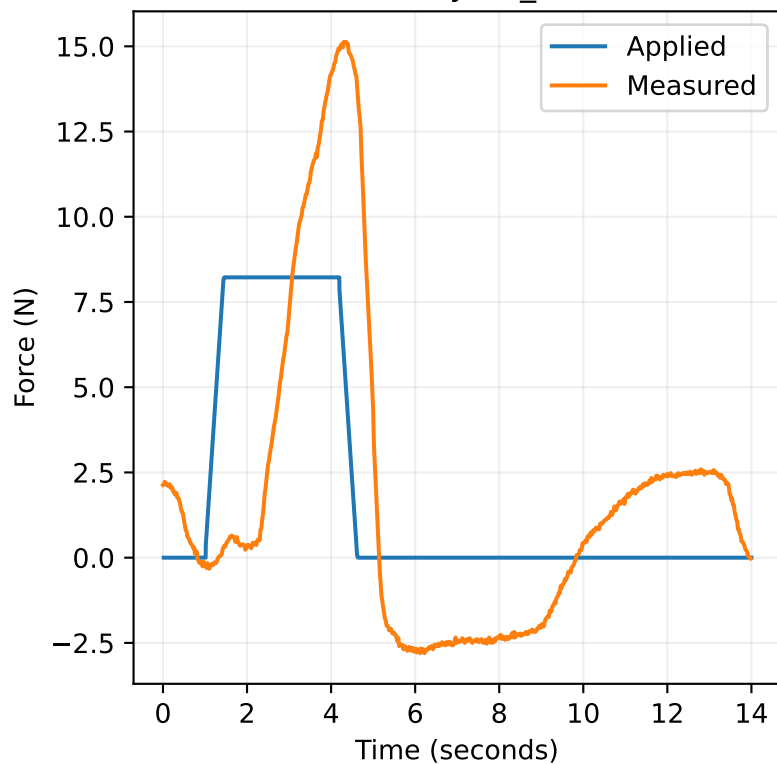Bump Test Response Delay. Actuator ID 105
2023-12-26T17:14:16
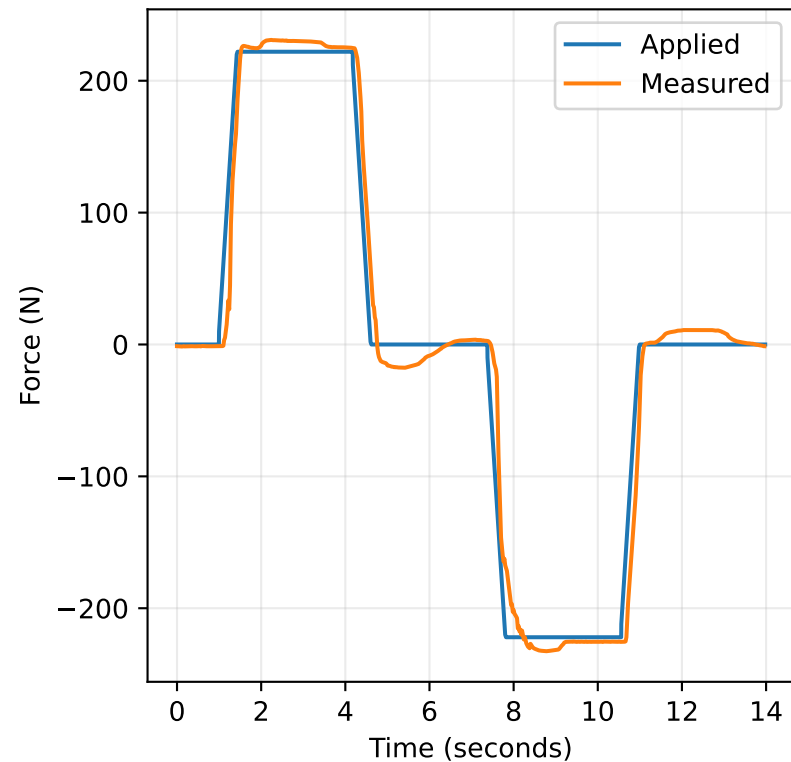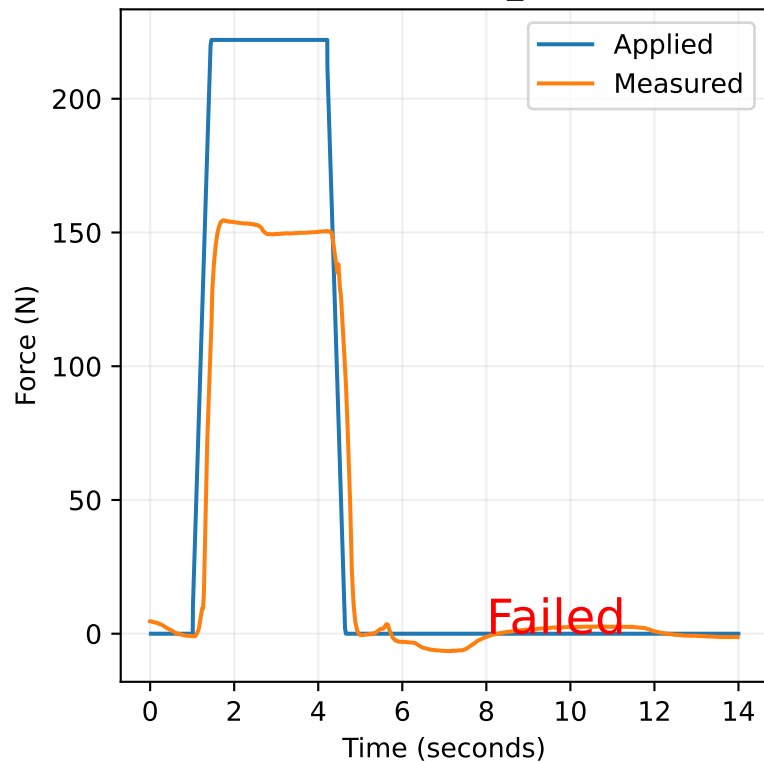
Bump Test Response Delay. Actuator ID 105
2023-12-27T19:43:00

Primary - Z

Secondary - Y_PLUS

Failed

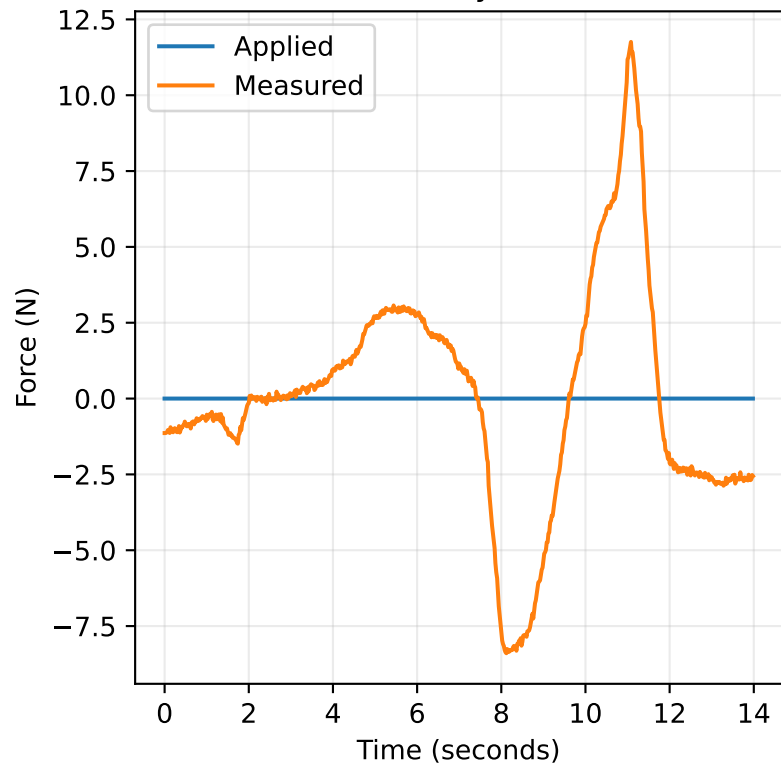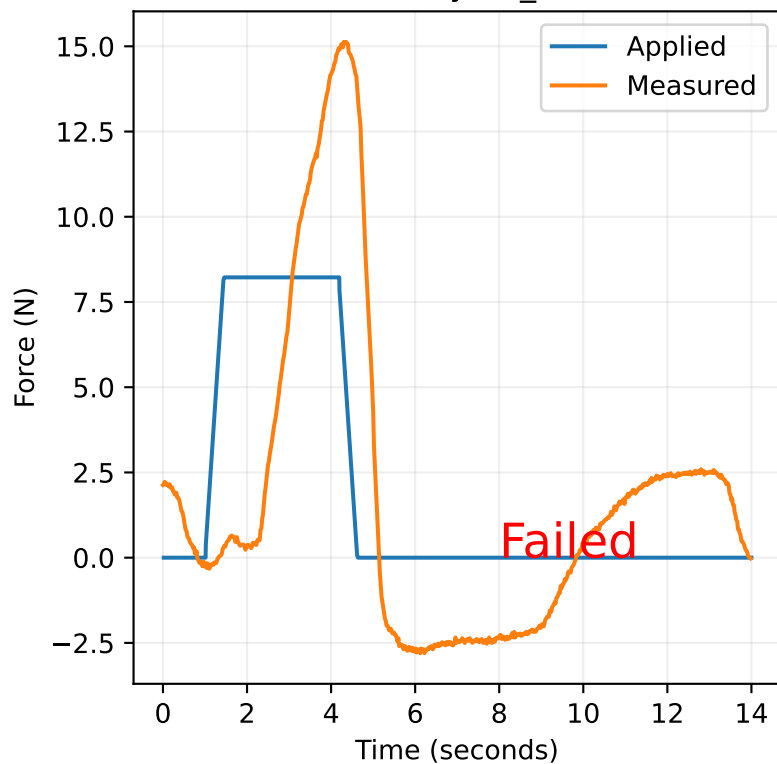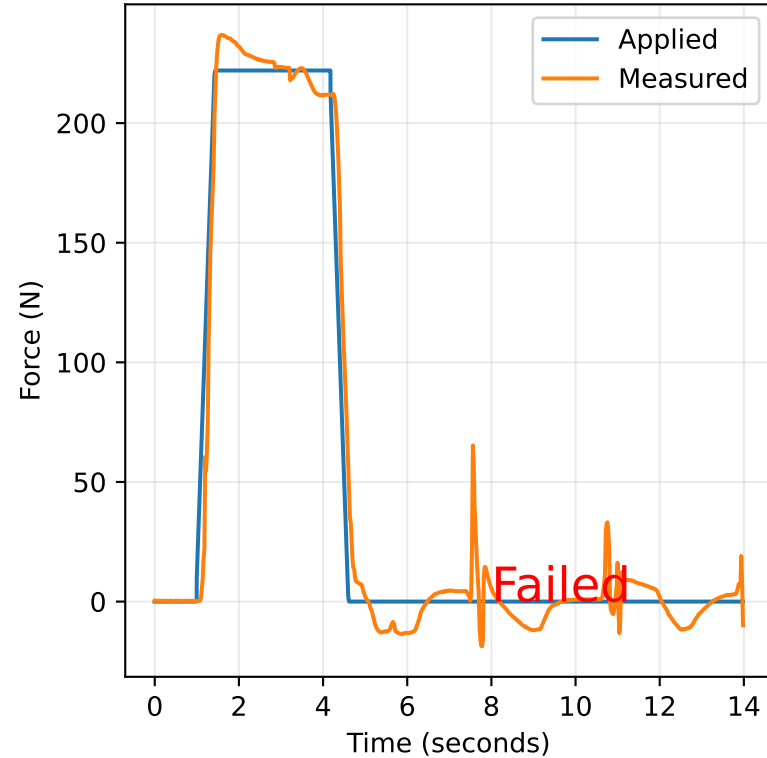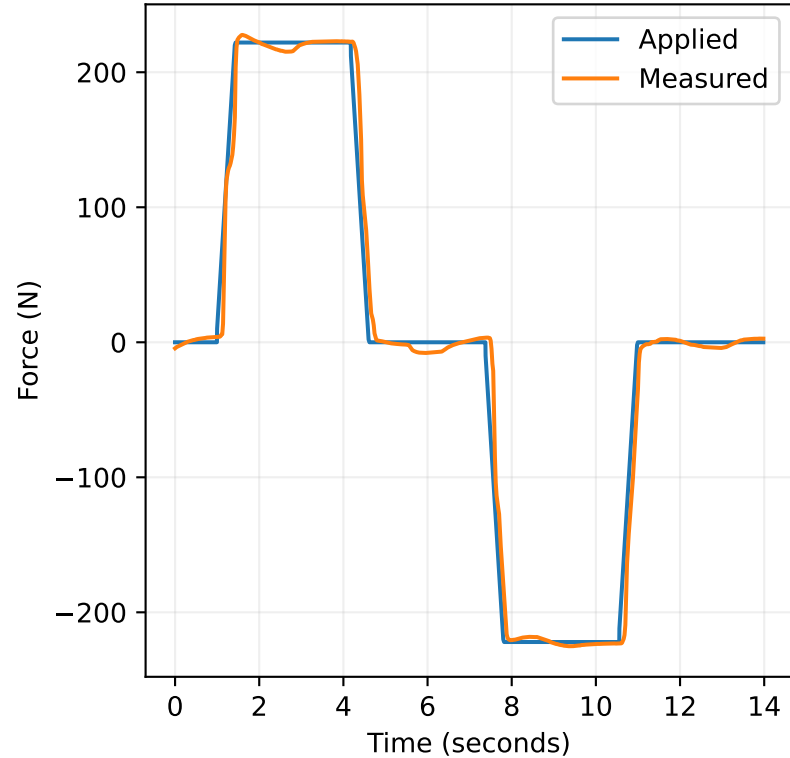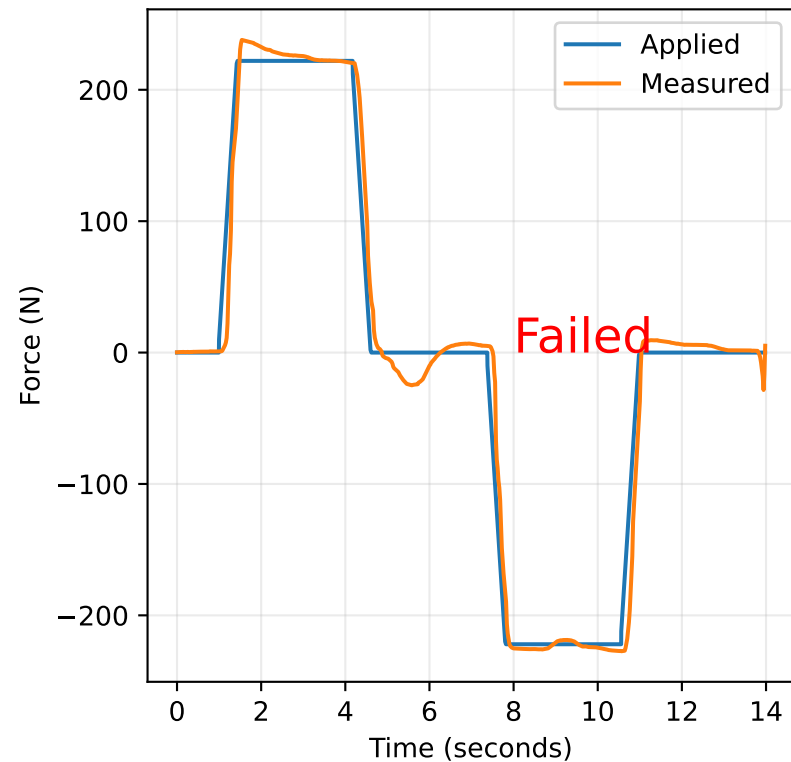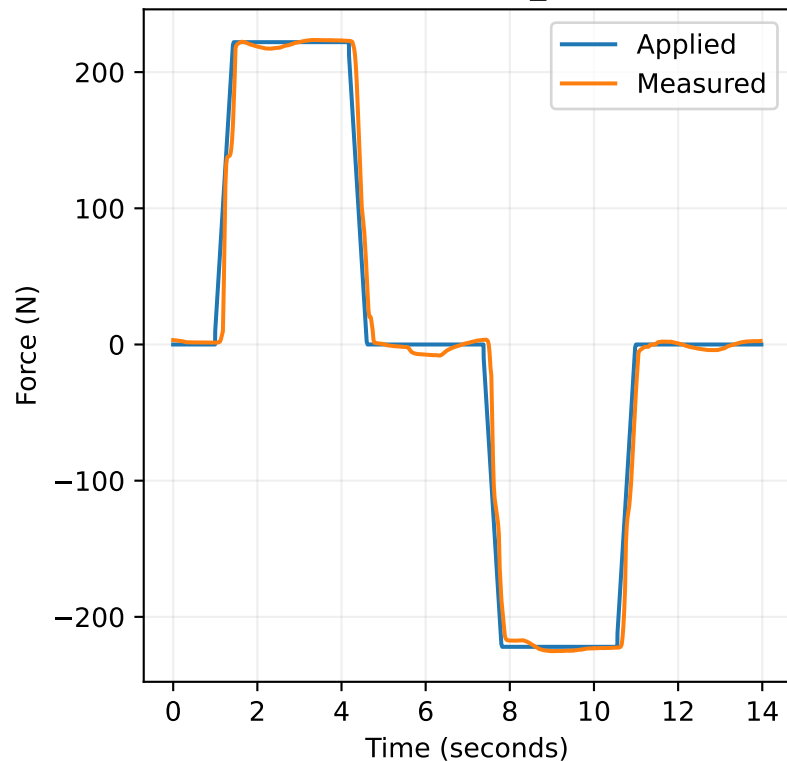Bump Test Response Delay. Actuator ID 105
2023-12-27T19:43:00

Bump Test Response Delay. Actuator ID 330
2023-12-27T20:27:07

Primary - Z

Applied
Measured

Failed

Secondary - Y_PLUS

Applied
Measured
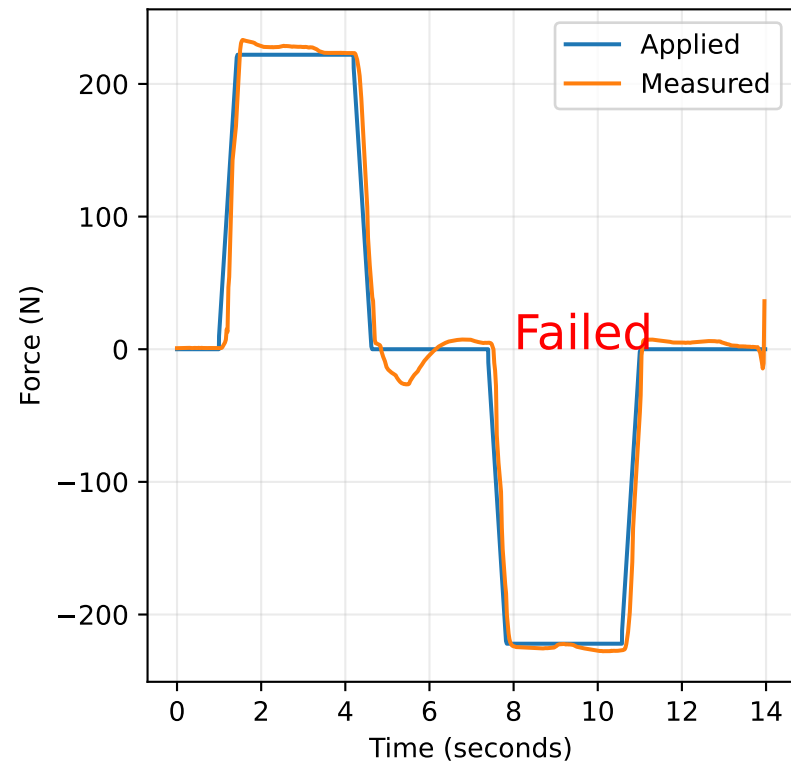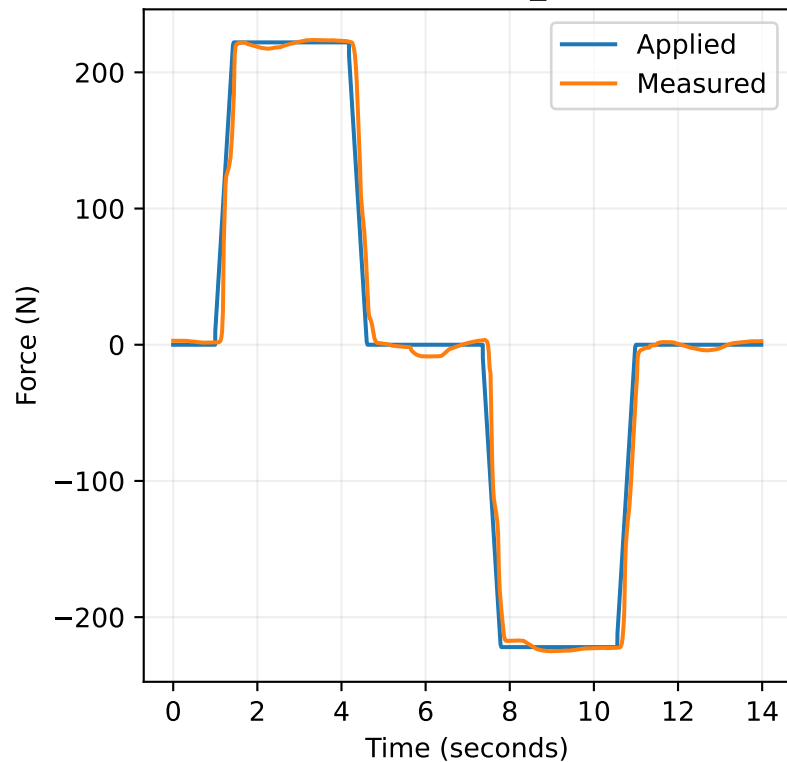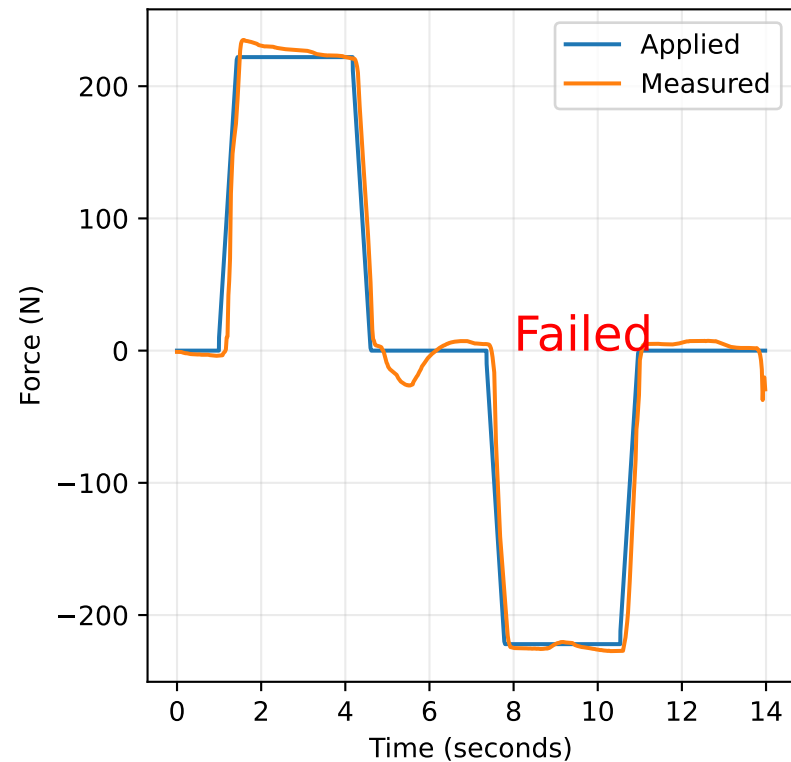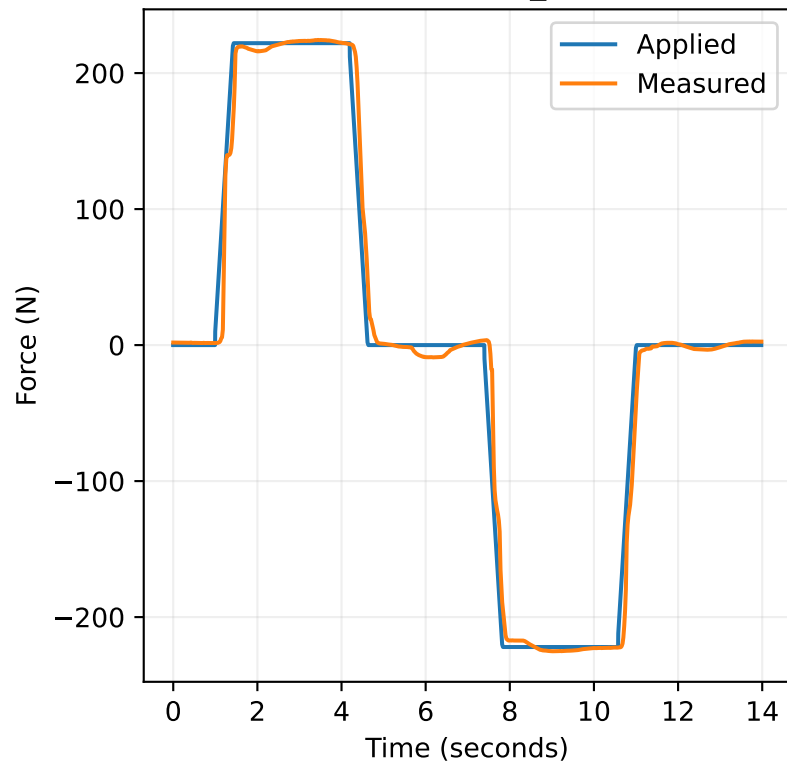
Bump Test Response Delay. Actuator ID 330
2023-12-27T20:49:01

Primary - Z

Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 330
2023-12-27T20:52:59

Bump Test Response Delay. Actuator ID 330
2023-12-27T20:55:13

Primary - Z
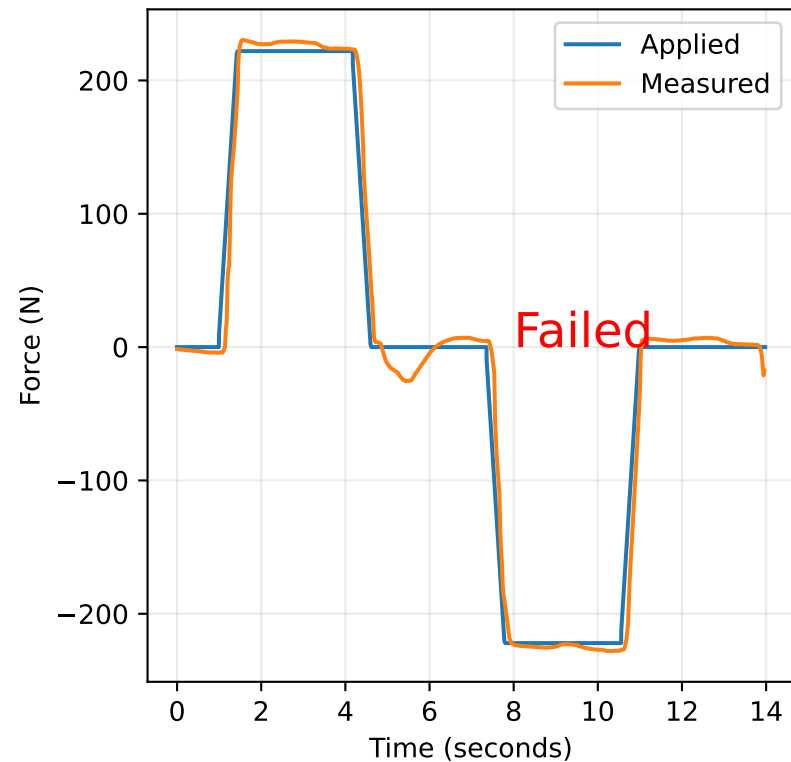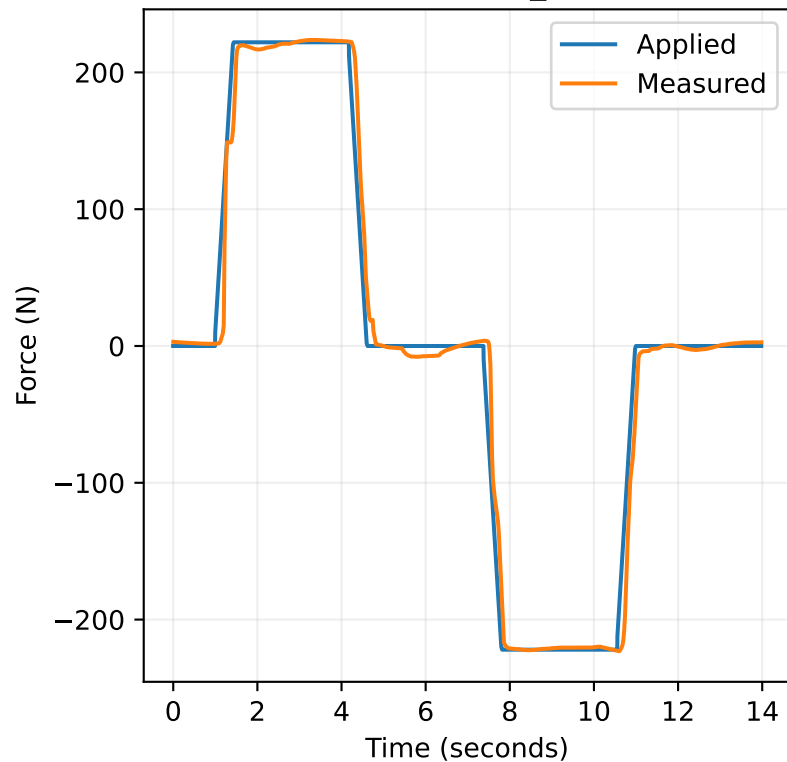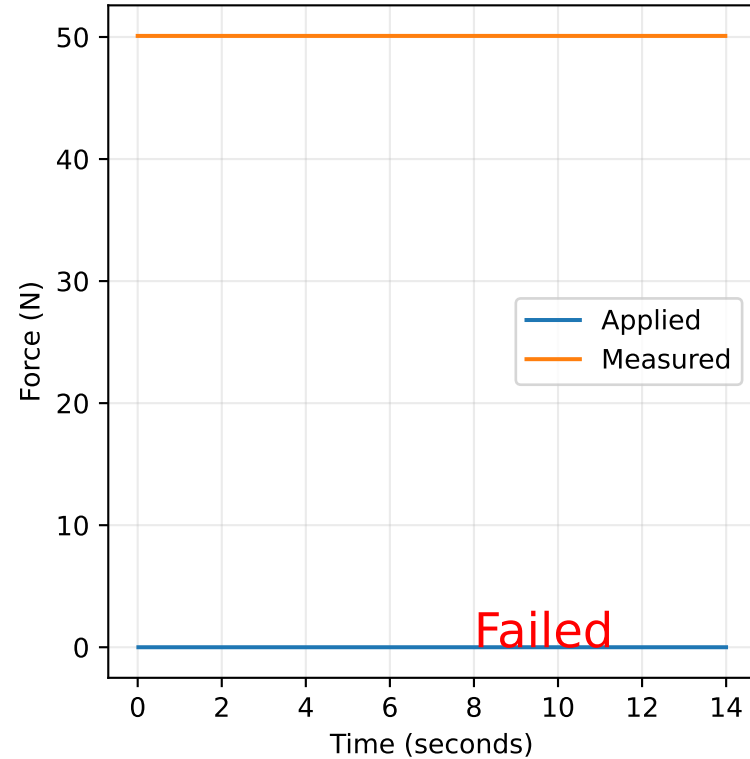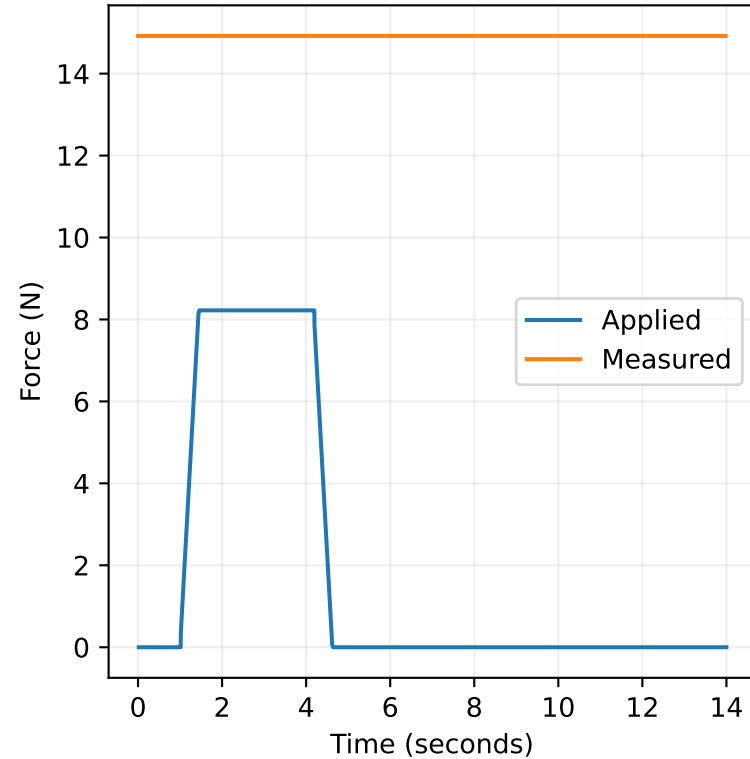
Secondary - Y_PLUS

Applied
Measured

Failed

Force (N)

Time (seconds)

Bump Test Response Delay. Actuator ID 330
2023-12-27T20:55:42

Primary - Z

Secondary - Y_PLUS

Failed

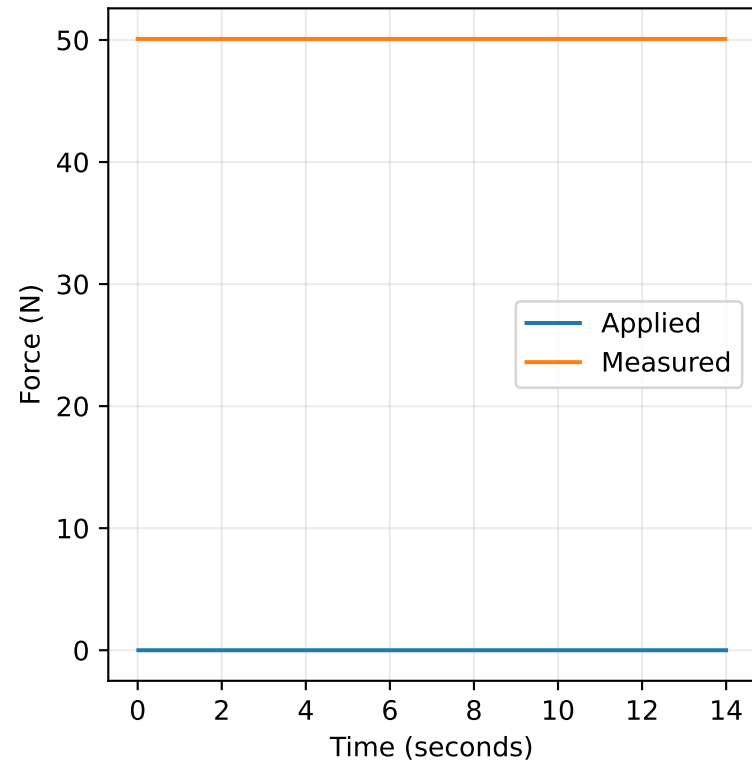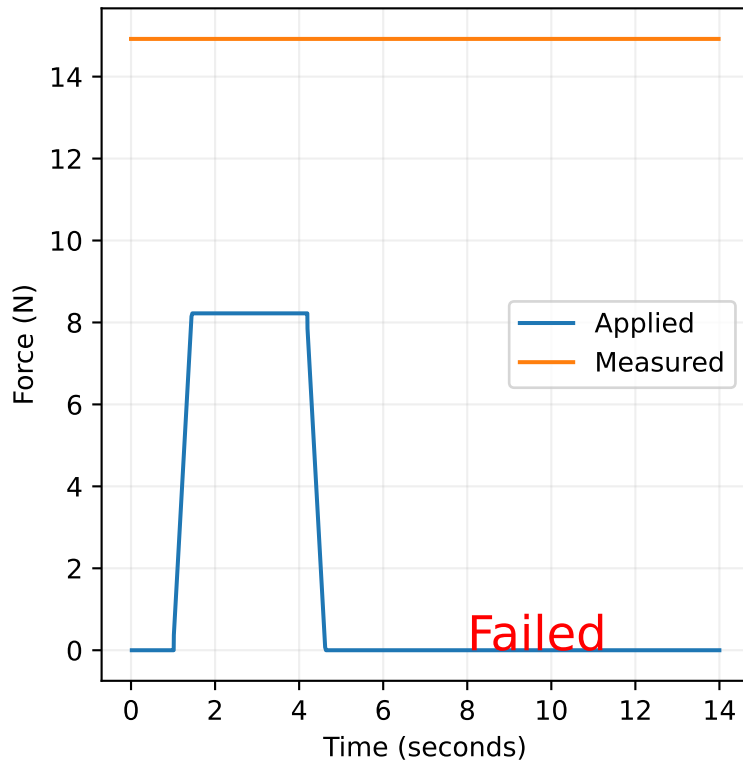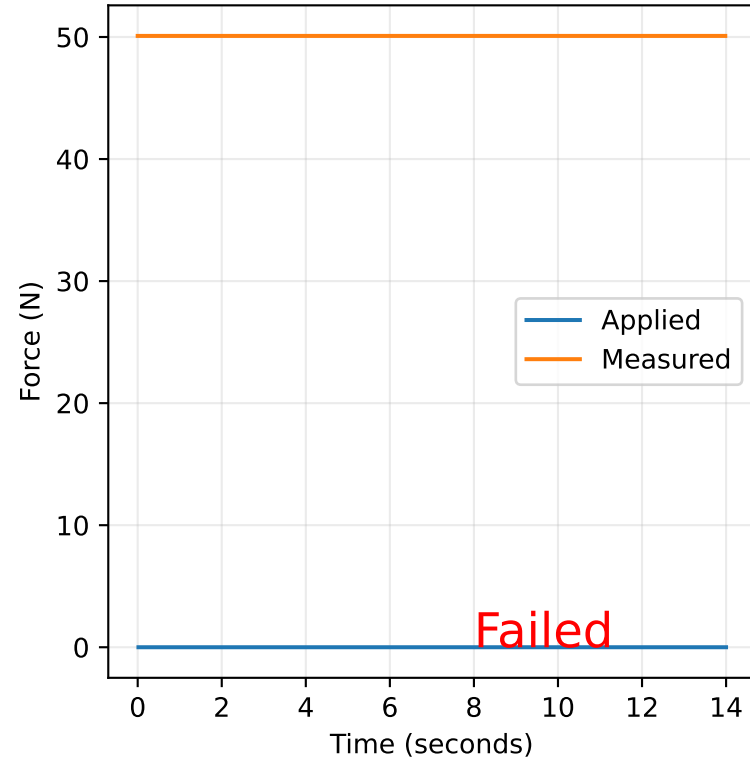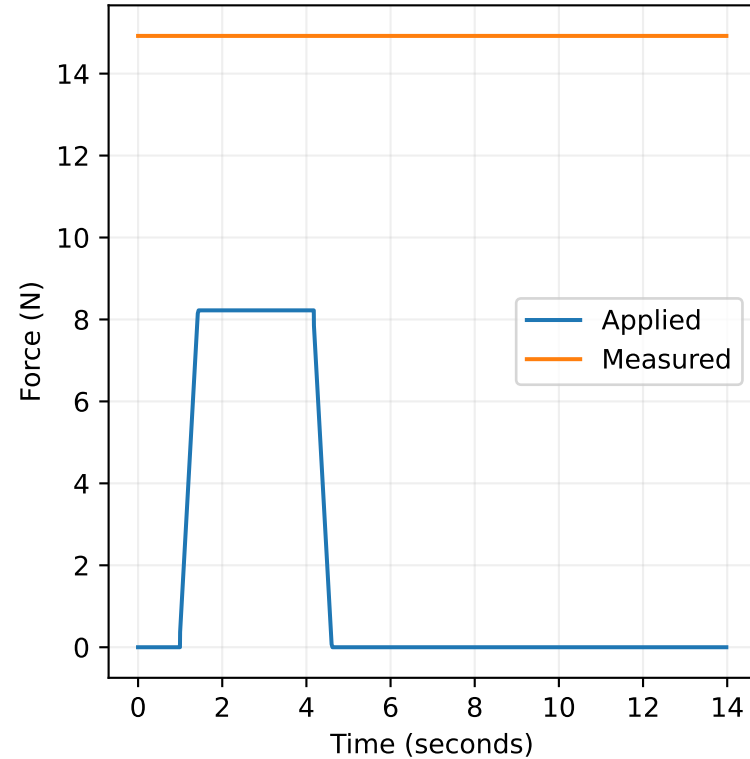# Bump Test Response Delay. Actuator ID 105
2023-12-28T05:31:12

Primary - Z

Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 105
2023-12-28T05:31:12

Primary - Z

Secondary - Y_PLUS

Failed

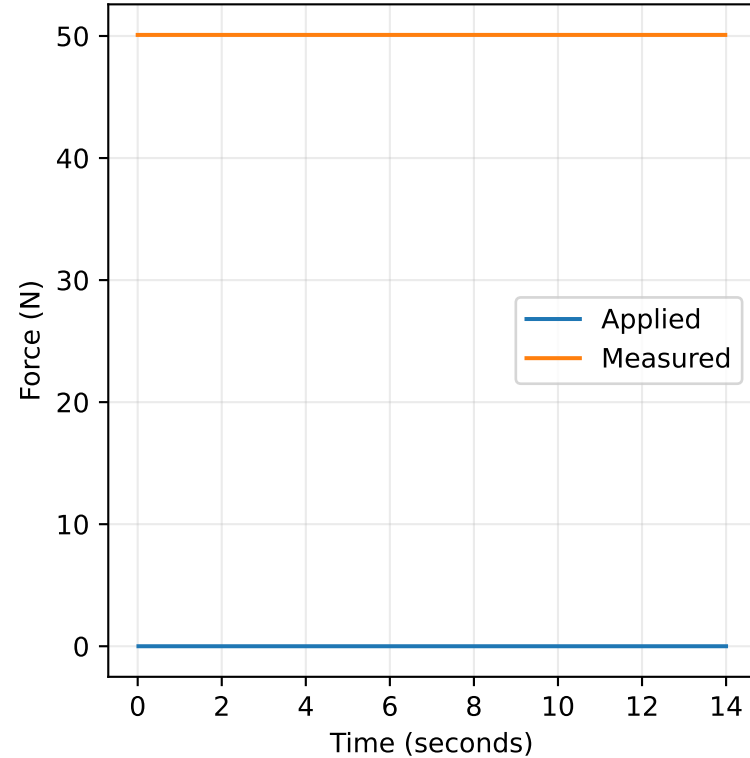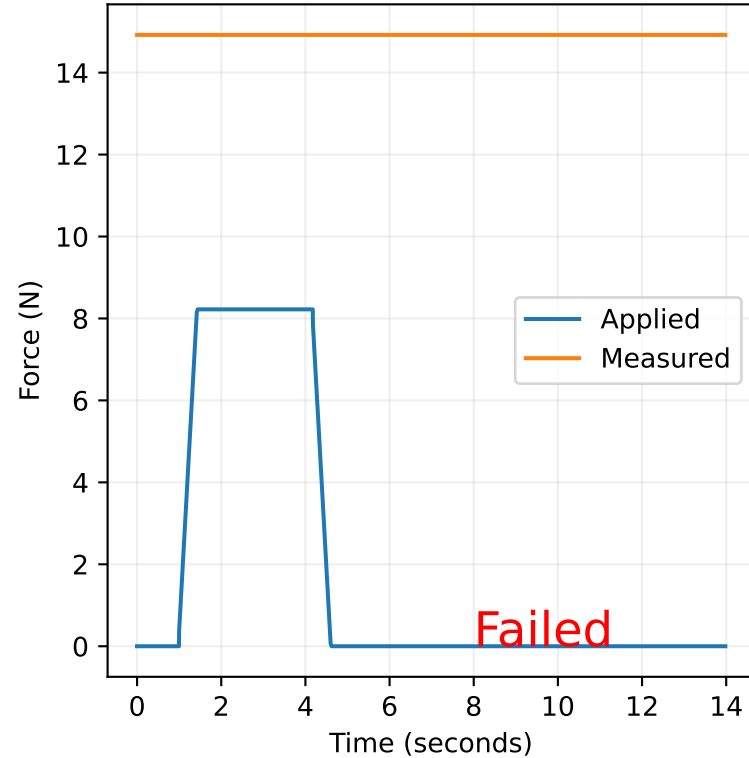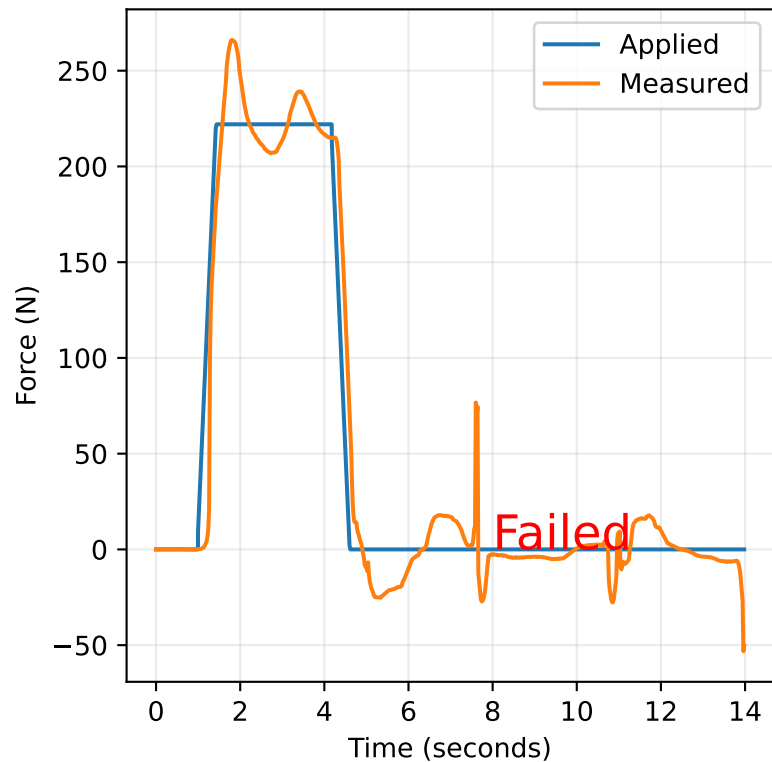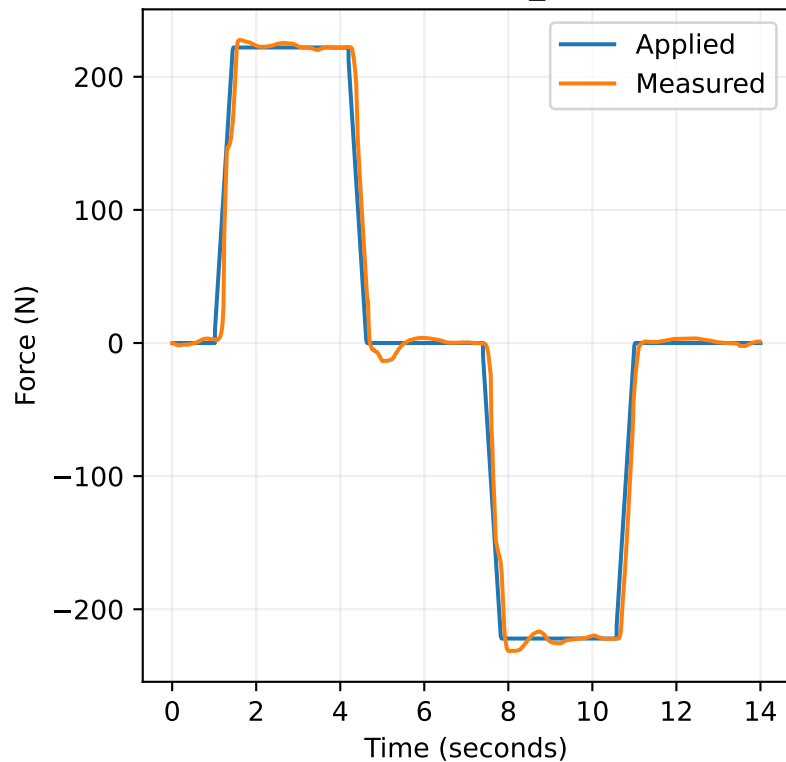Bump Test Response Delay. Actuator ID 105
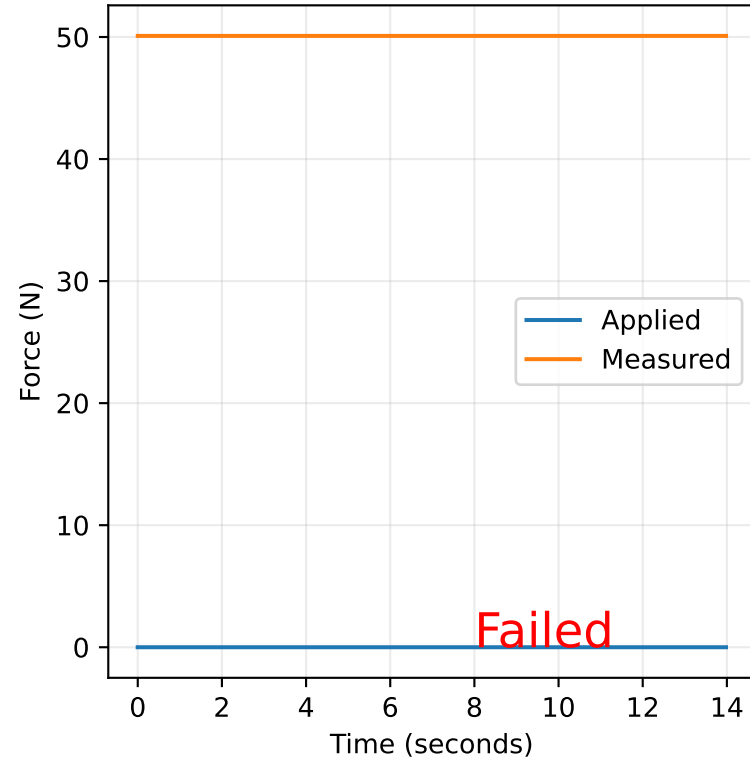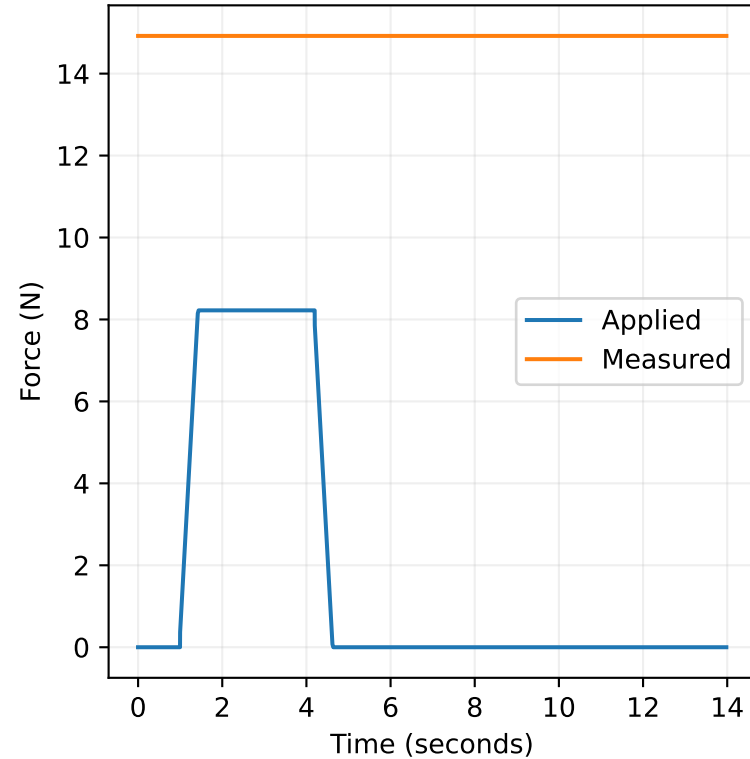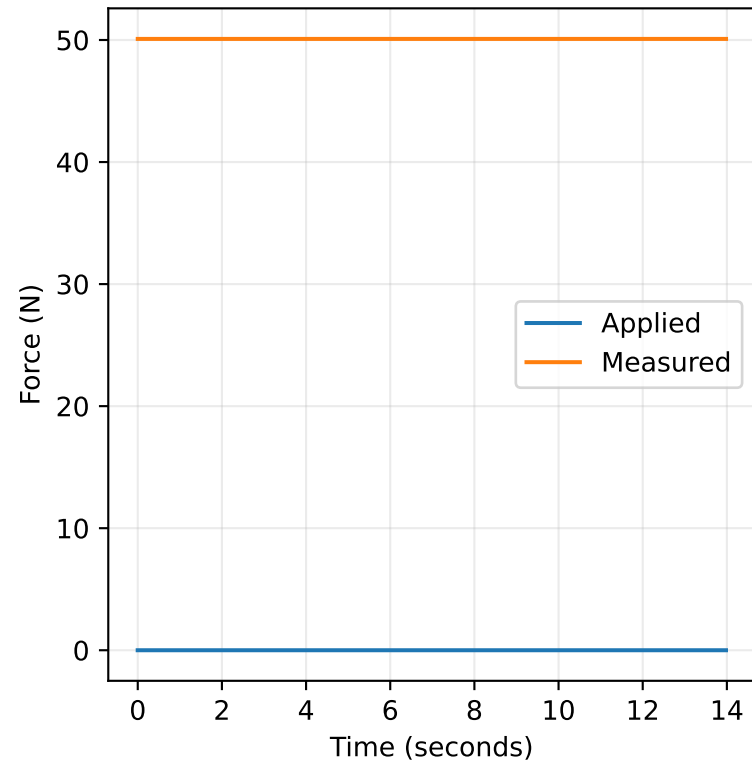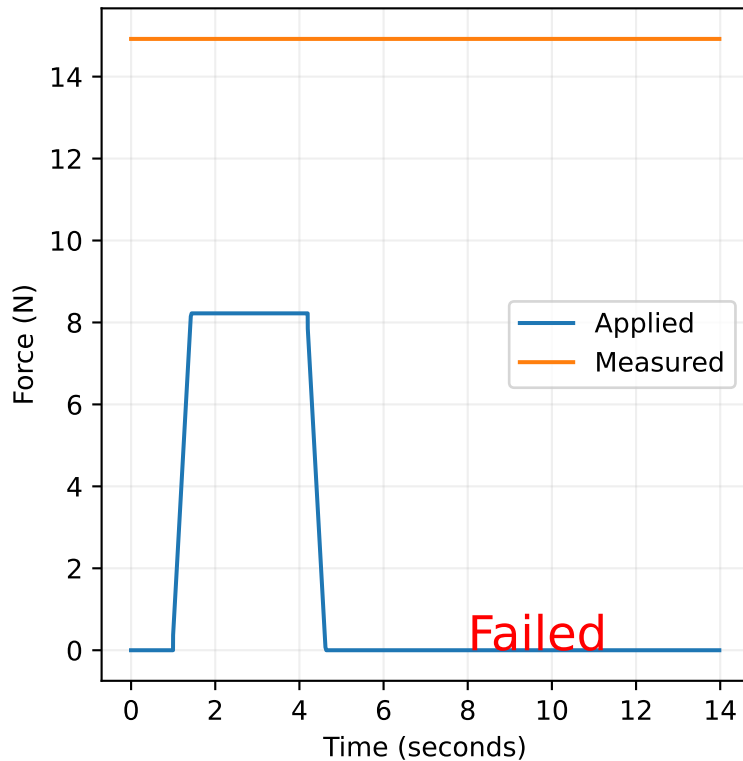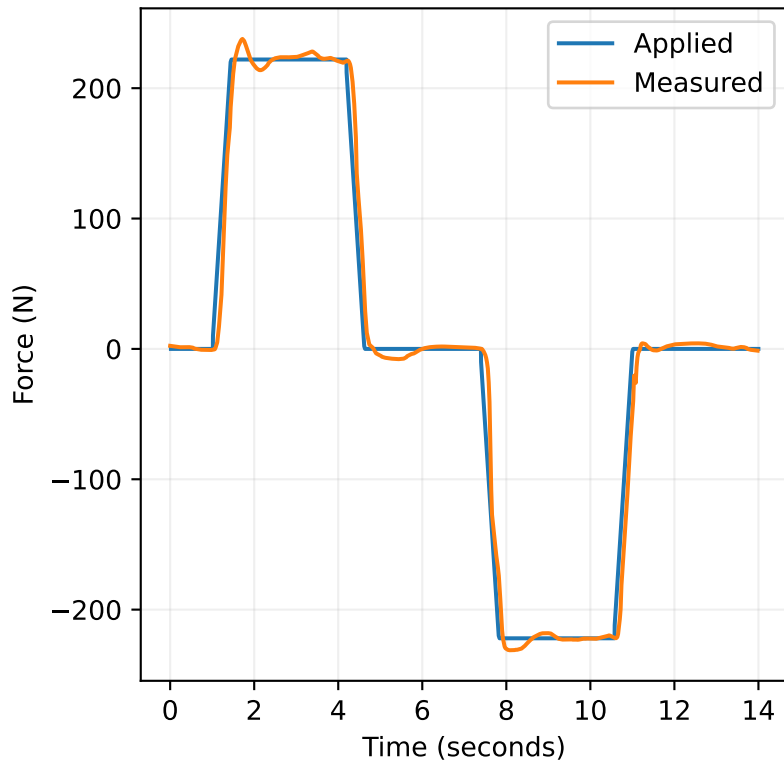2023-12-29T05:19:18

Bump Test Response Delay. Actuator ID 105
2023-12-29T05:19:18

Bump Test Response Delay. Actuator ID 410
2023-12-29T06:10:09

Bump Test Response Delay. Actuator ID 105
2023-12-30T05:08:41

Primary - Z

Secondary - Y_PLUS

Failed

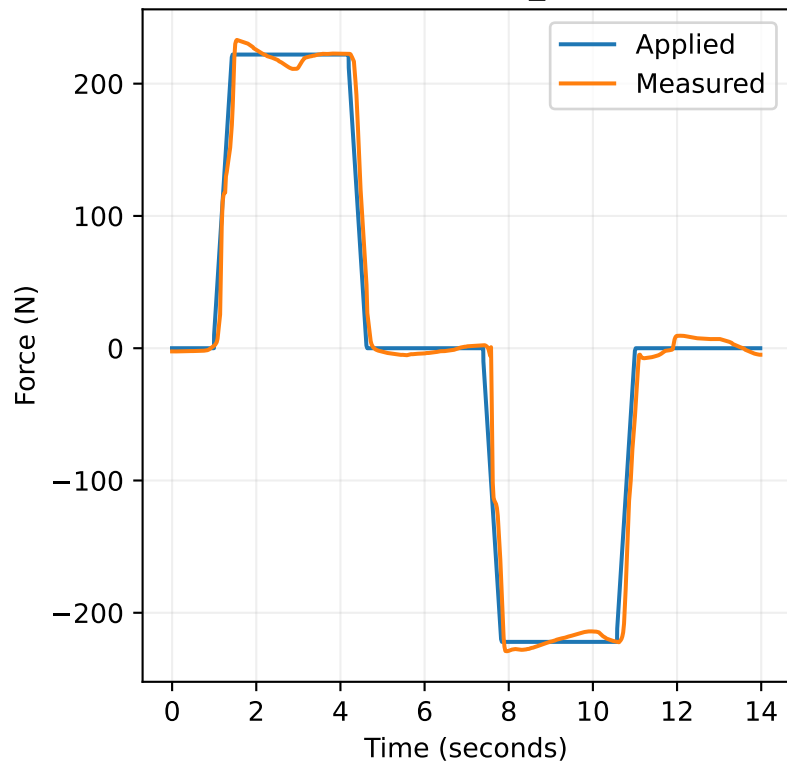# Bump Test Response Delay. Actuator ID 105
2023-12-30T05:08:41

Bump Test Response Delay. Actuator ID 235
2023-12-30T05:36:52

Primary - Z
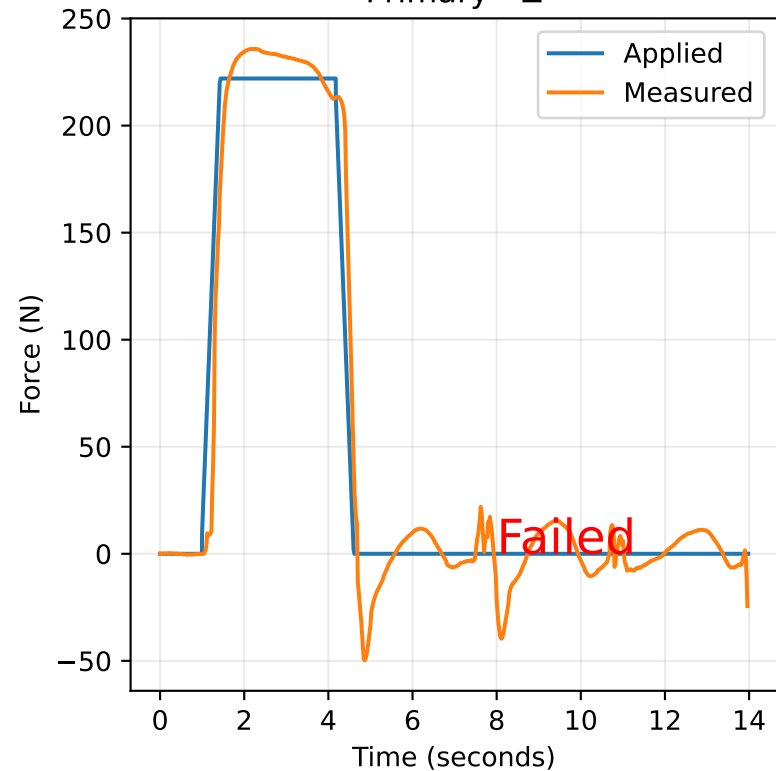
Applied
Measured

Failed

Secondary - X_PLUS

Applied
Measured

Bump Test Response Delay. Actuator ID 330
2024-01-03T10:32:33
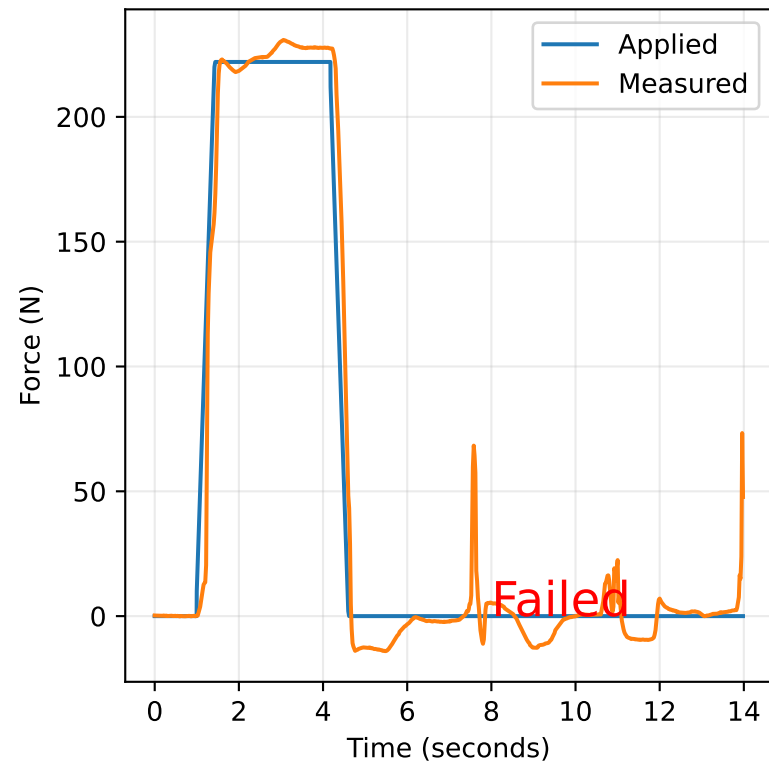
Bump Test Response Delay. Actuator ID 410
2024-01-03T10:39:22

Primary - Z

Secondary - Y_PLUS

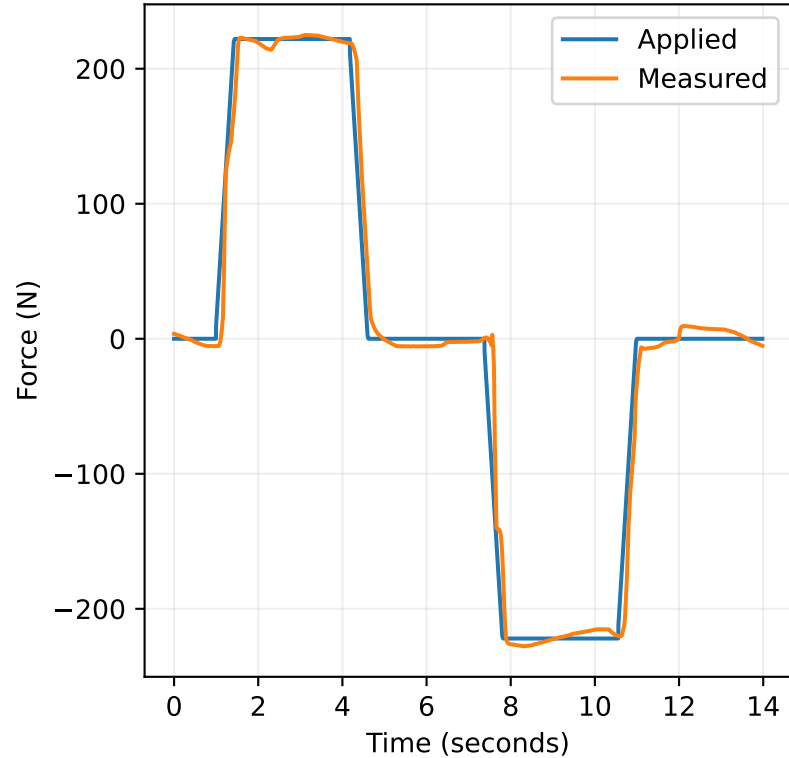Failed

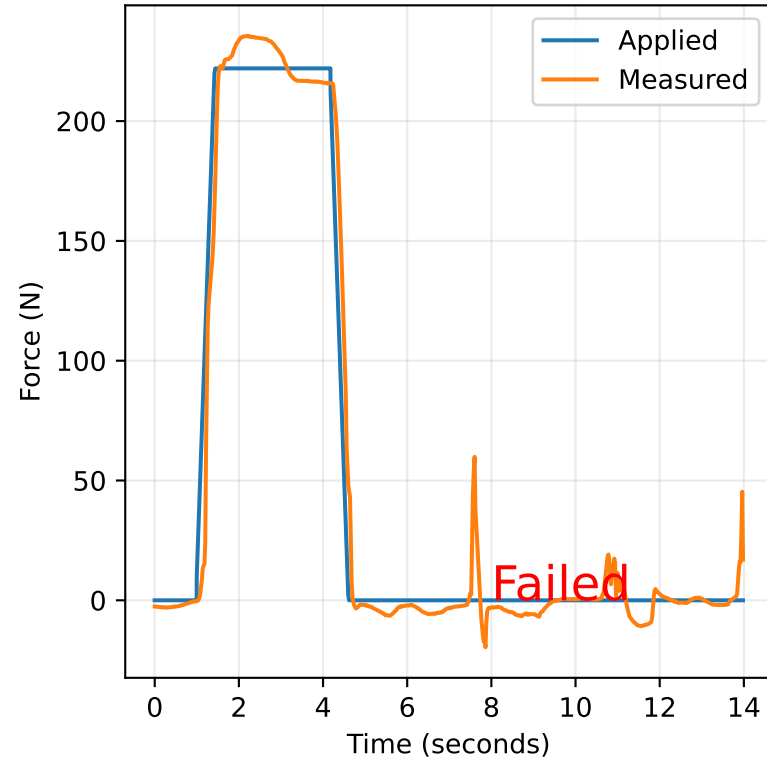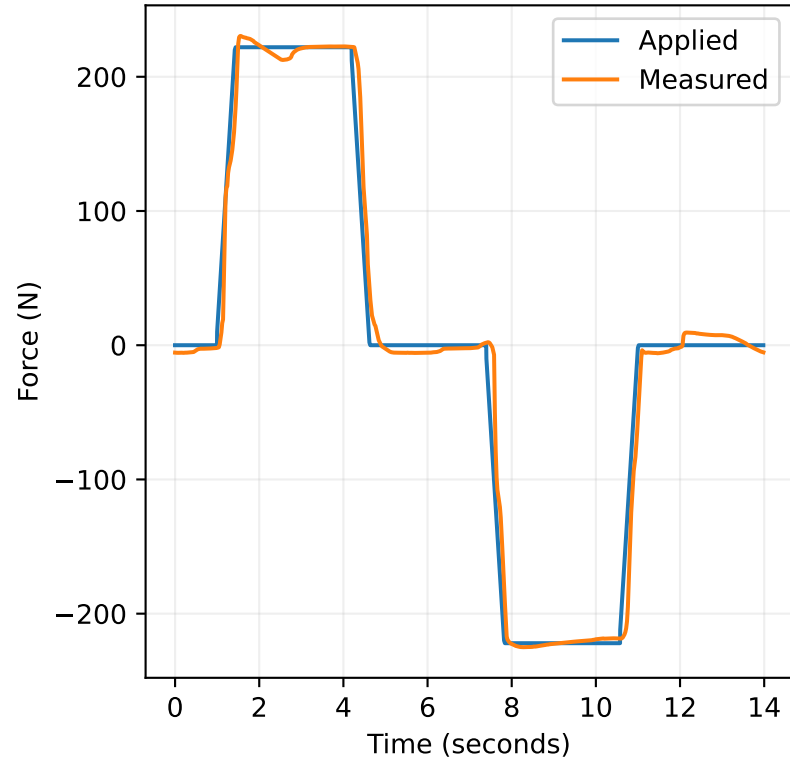# Bump Test Response Delay. Actuator ID 330
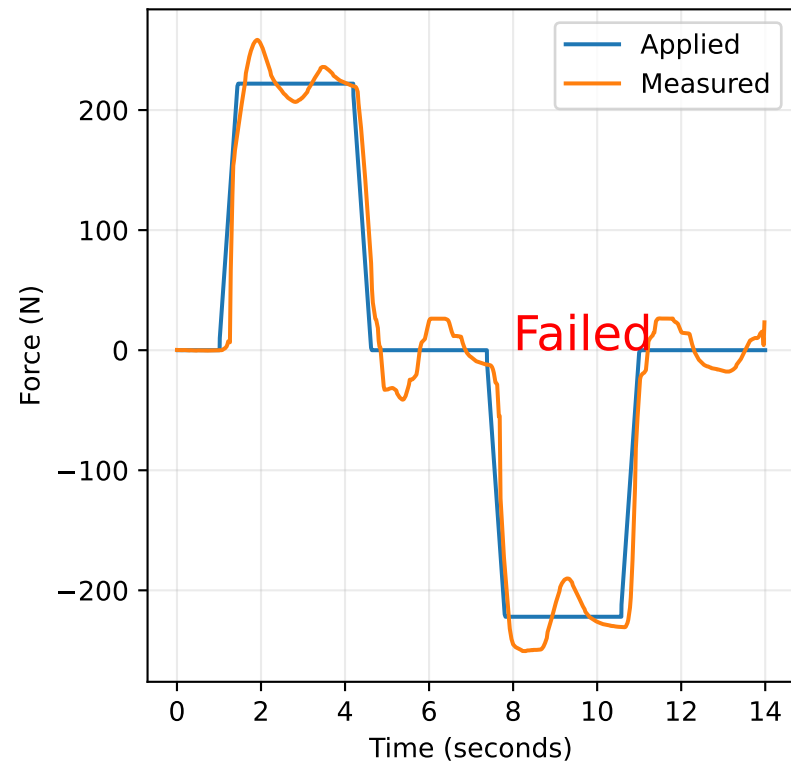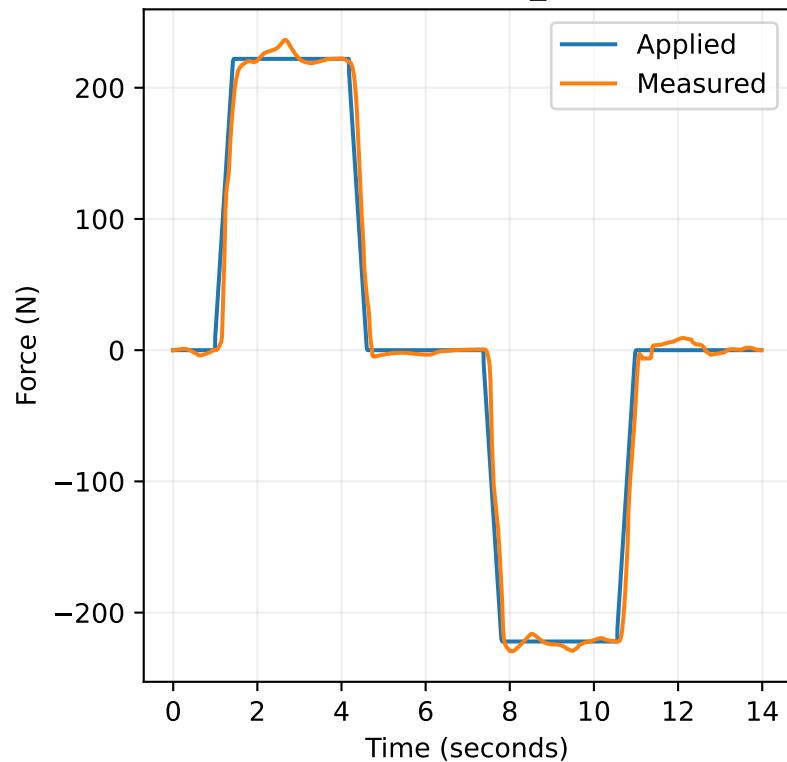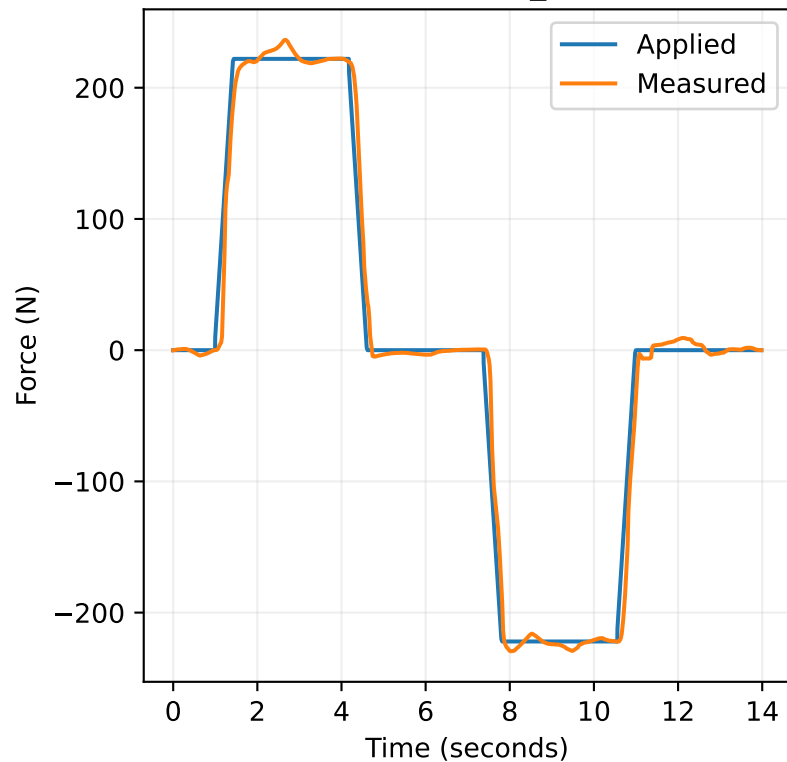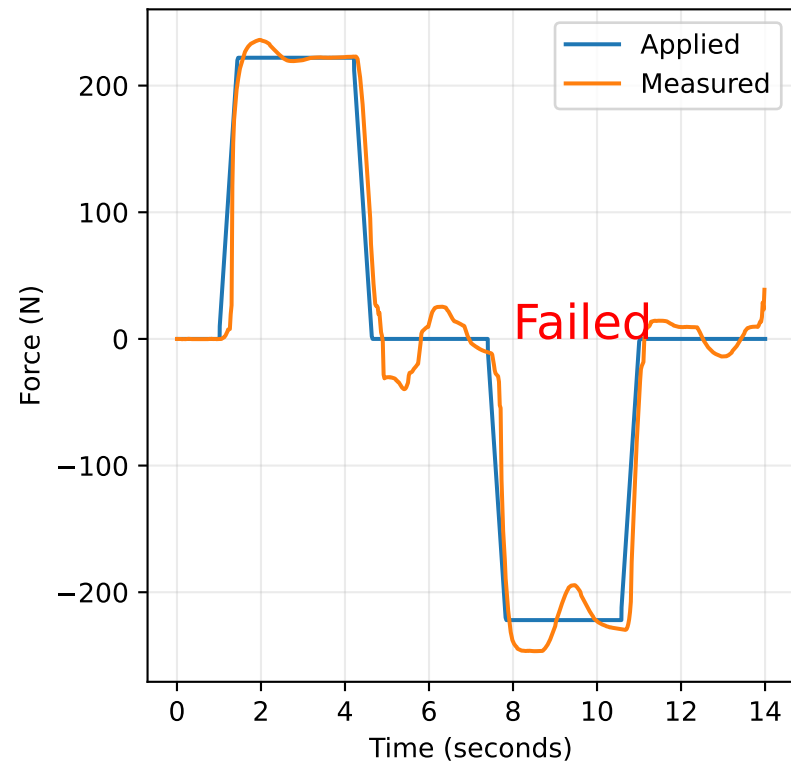## 2024-01-03T17:39:44

Primary - Z

Force (N)

Time (seconds)

Applied
Measured

Failed

Secondary - Y_PLUS

Force (N)

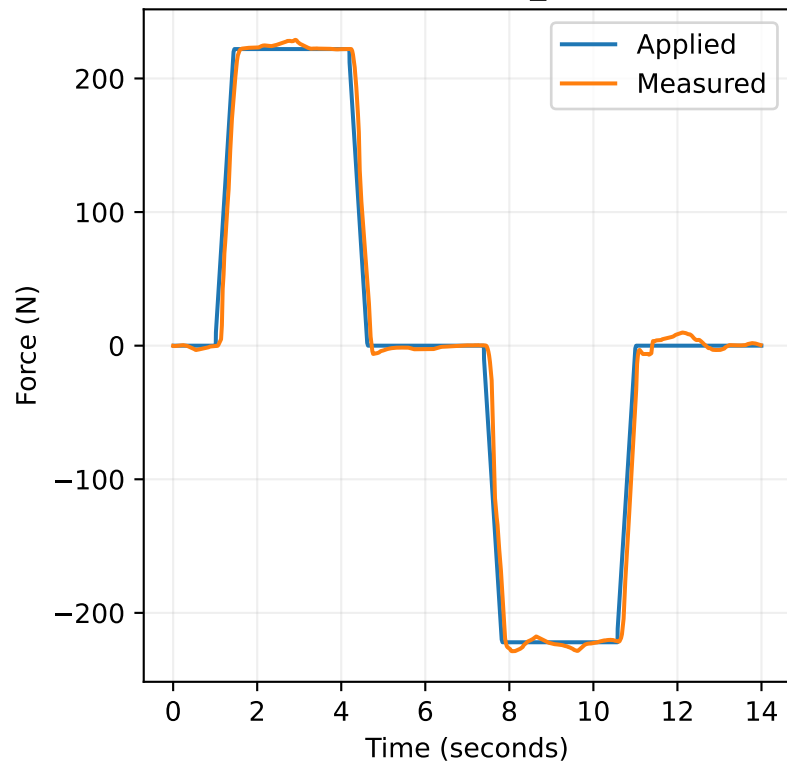Time (seconds)

Applied
Measured
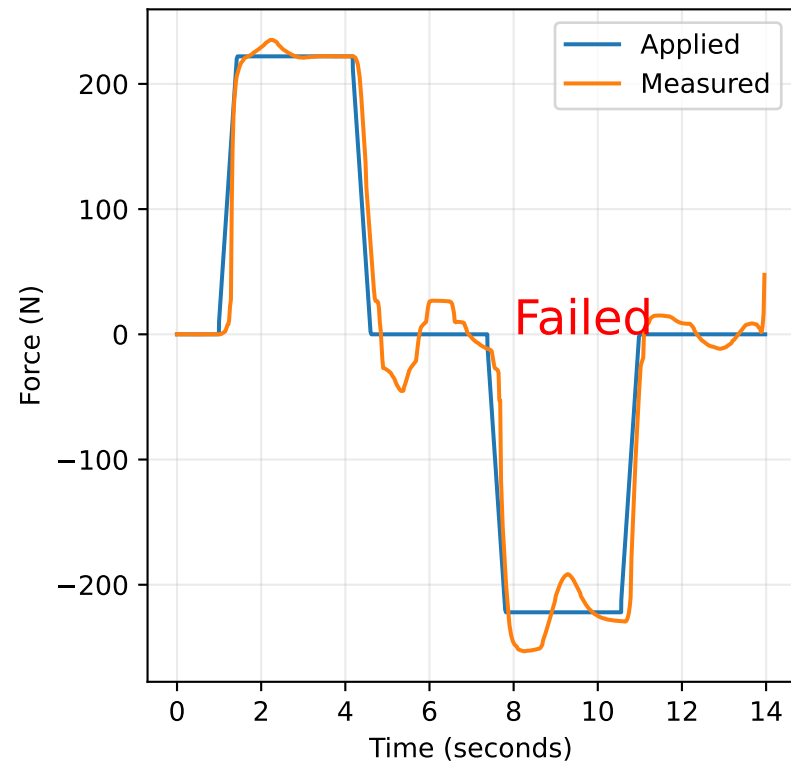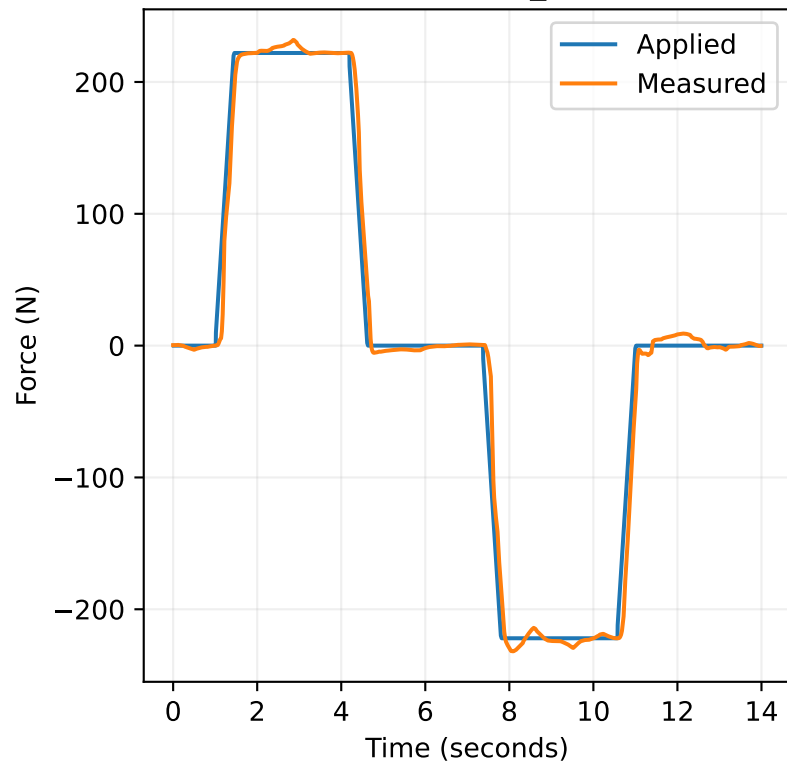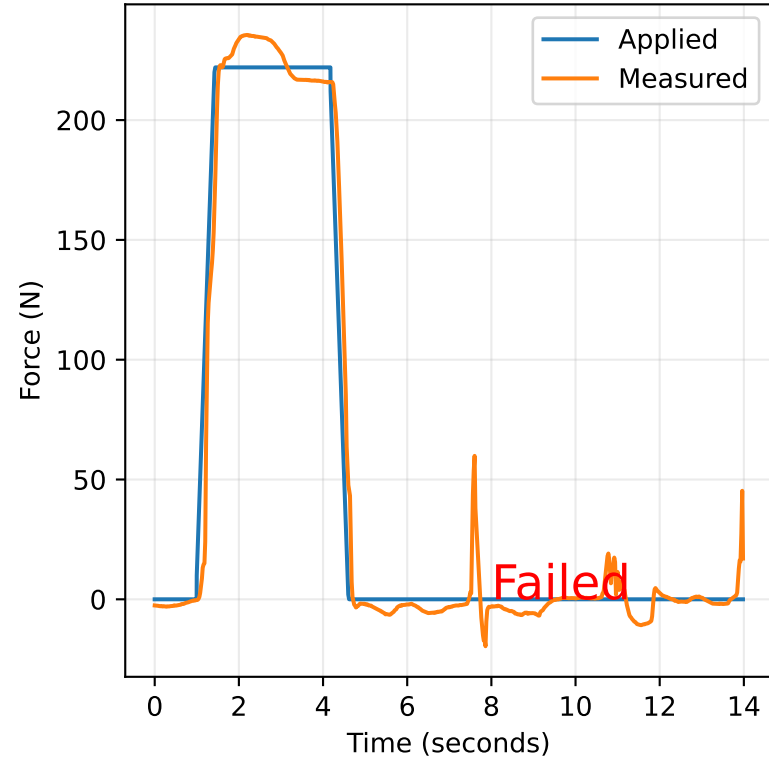
Bump Test Response Delay. Actuator ID 330
2024-01-03T17:39:44

Primary - Z

Secondary - Y_PLUS

Bump Test Response Delay. Actuator ID 410
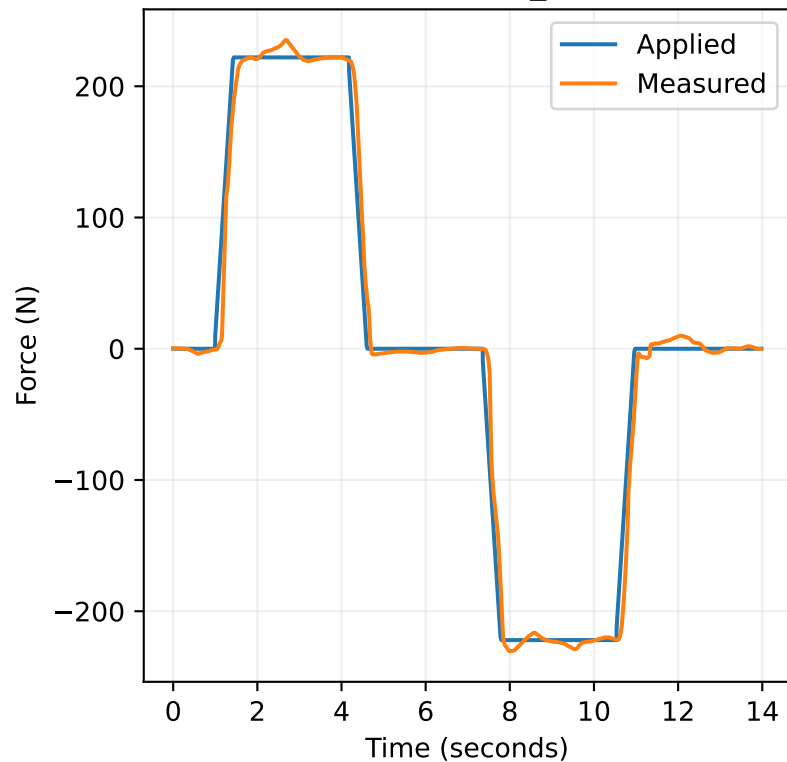## 2024-01-03T17:40:36

Bump Test Response Delay. Actuator ID 410
2024-01-03T17:41:06

Primary - Z

Secondary - Y_PLUS

Failed
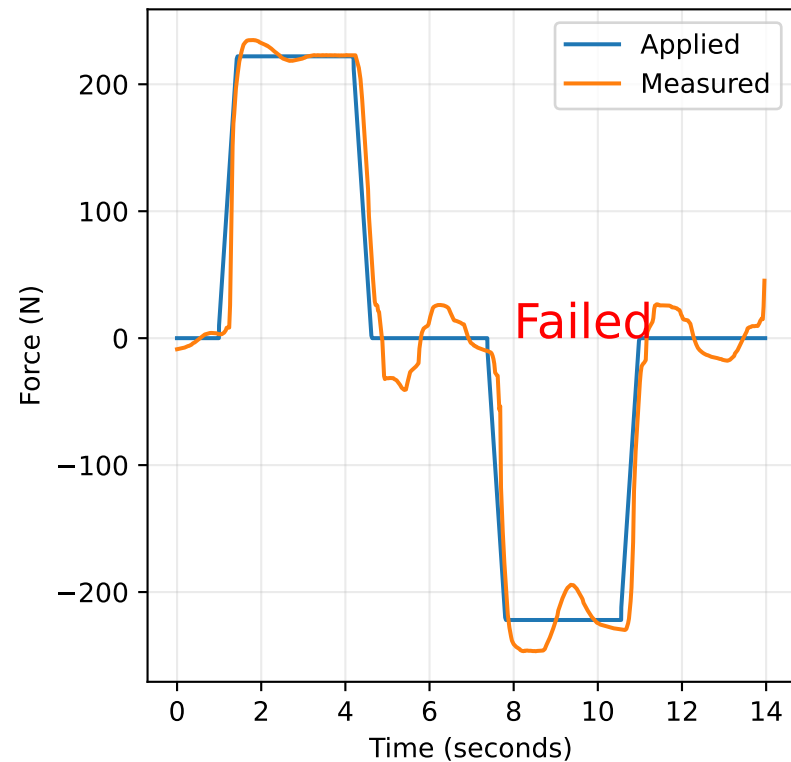
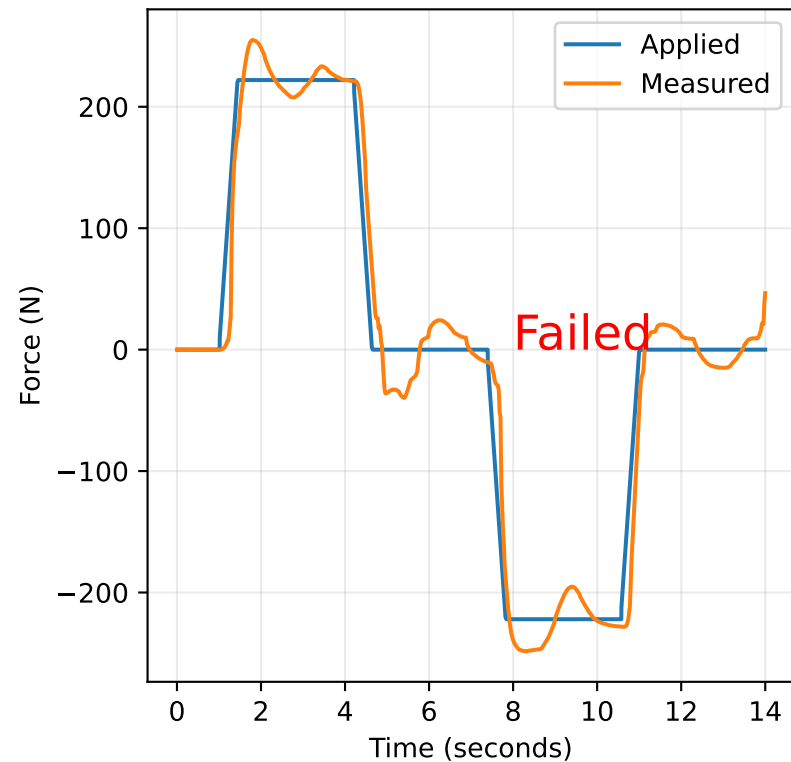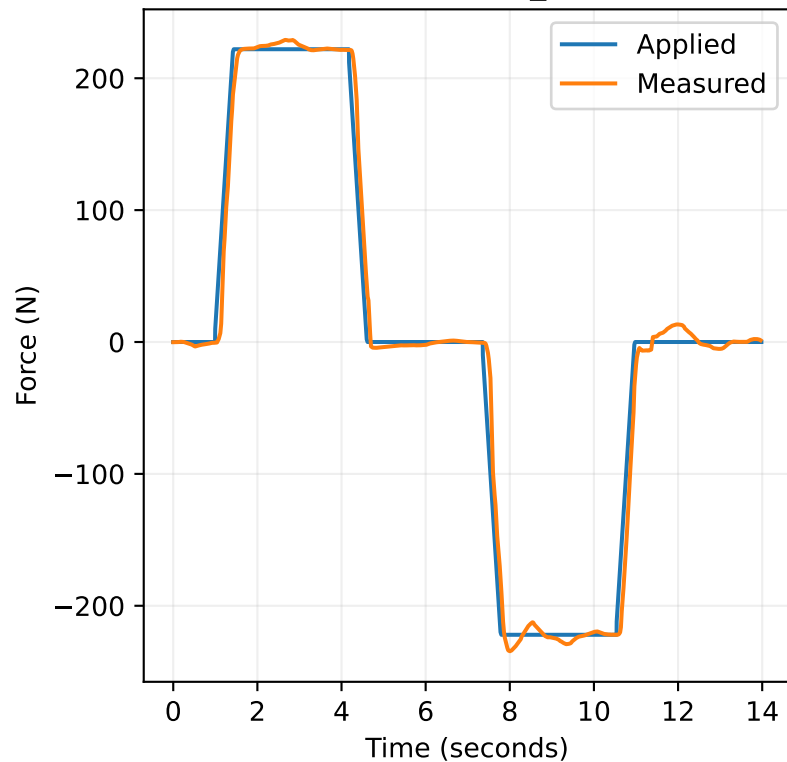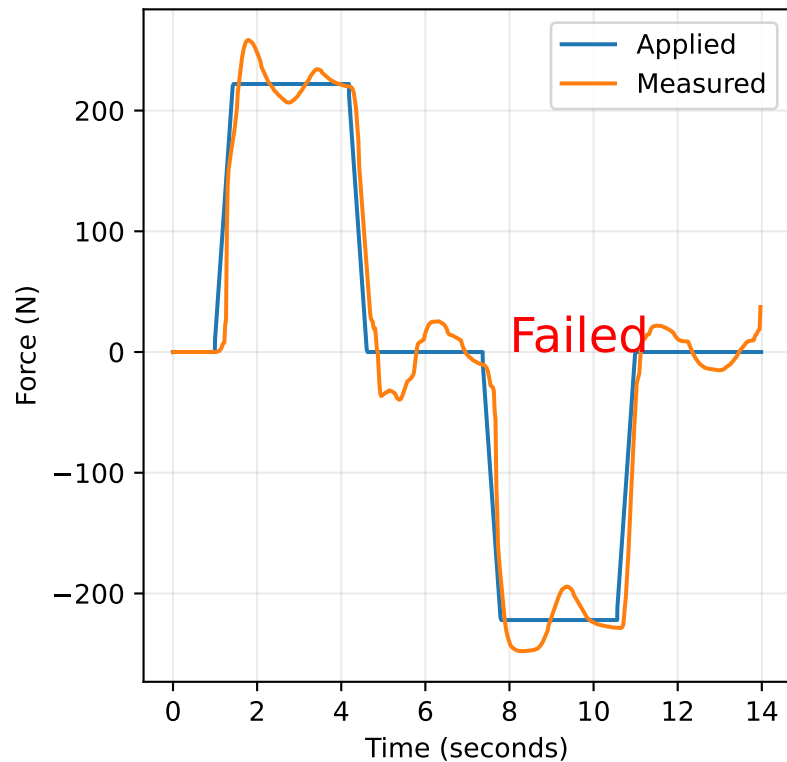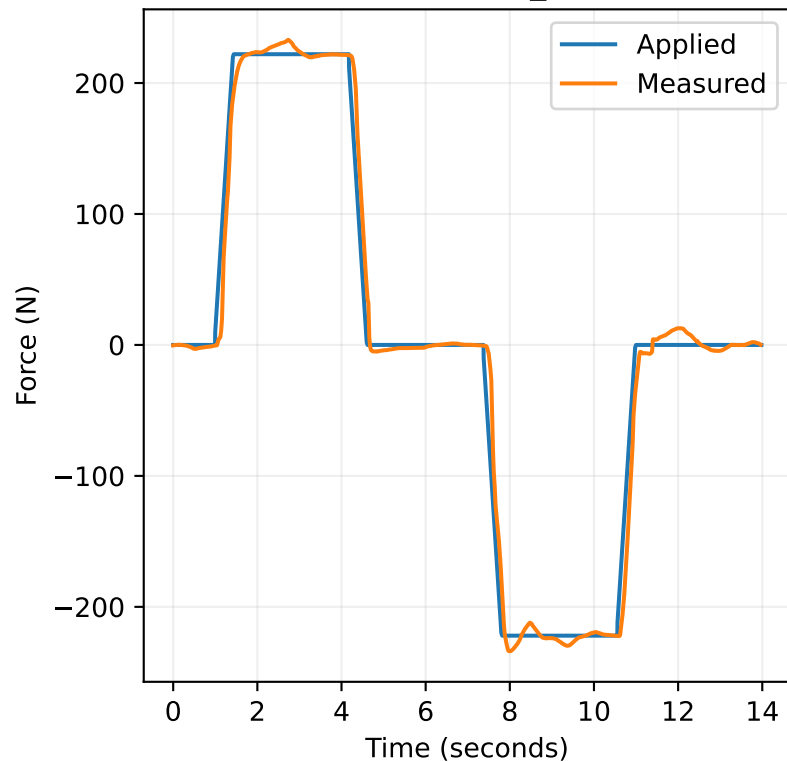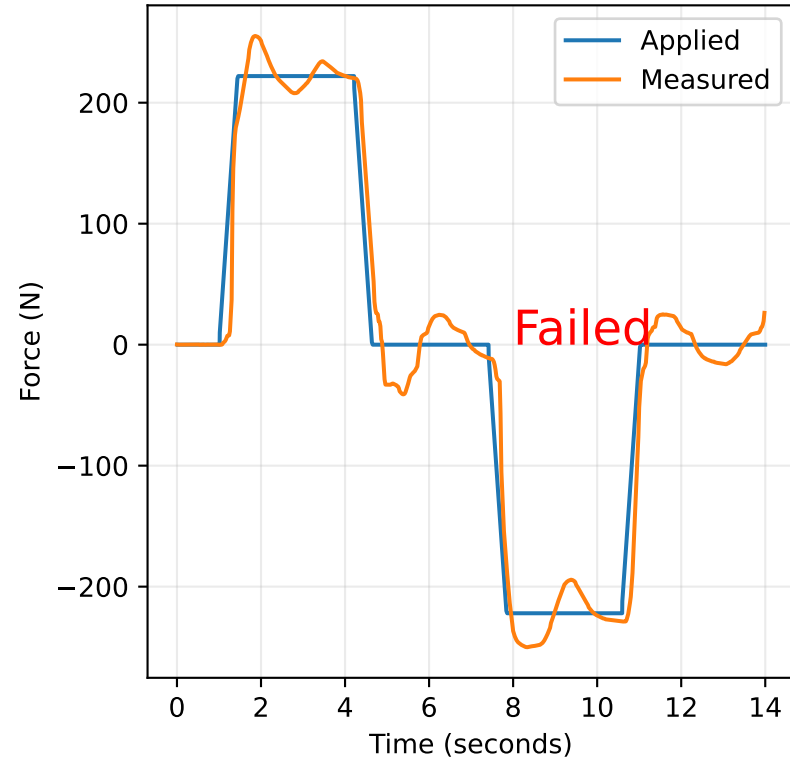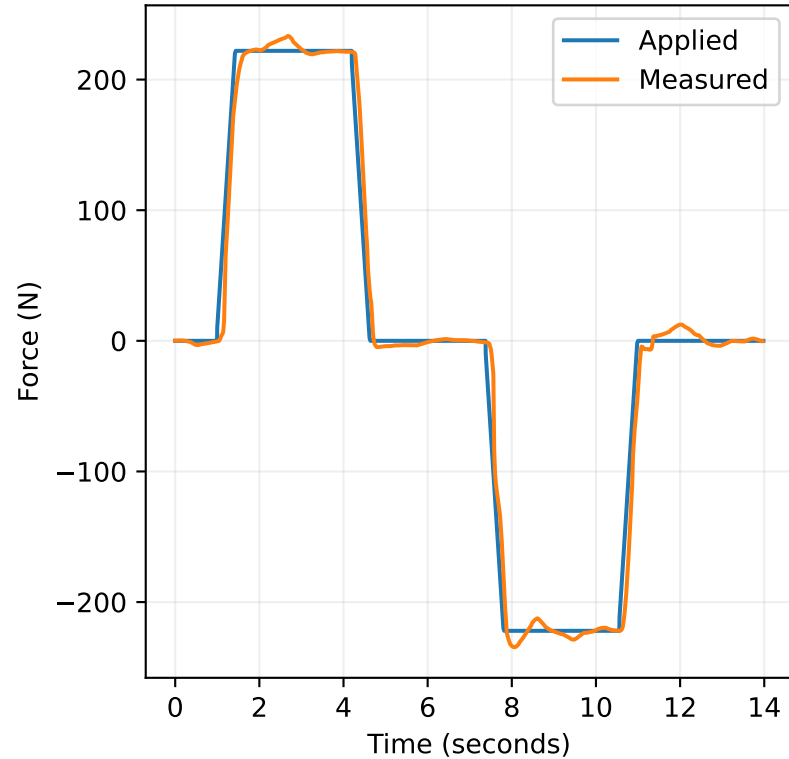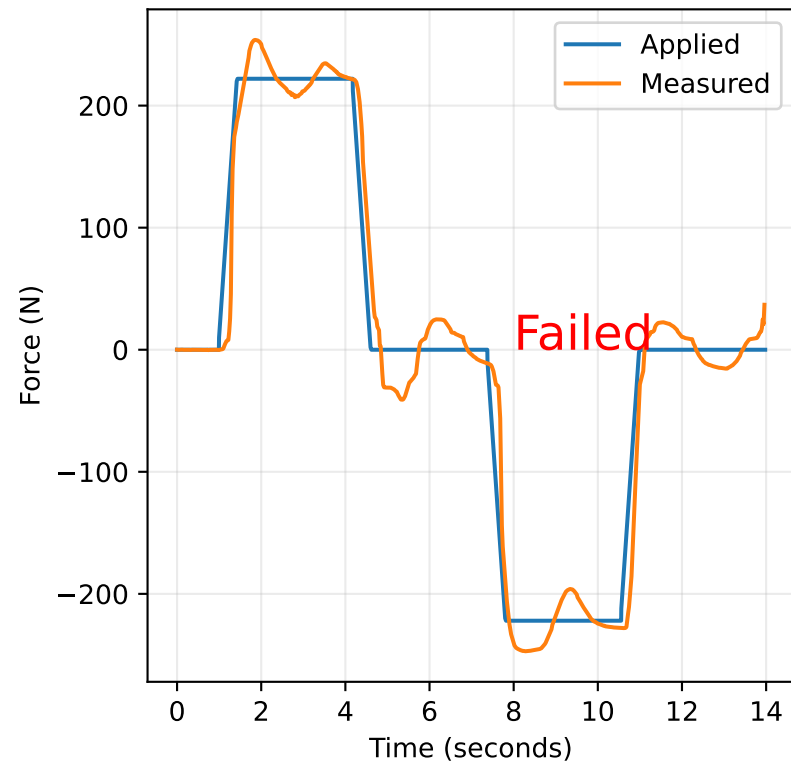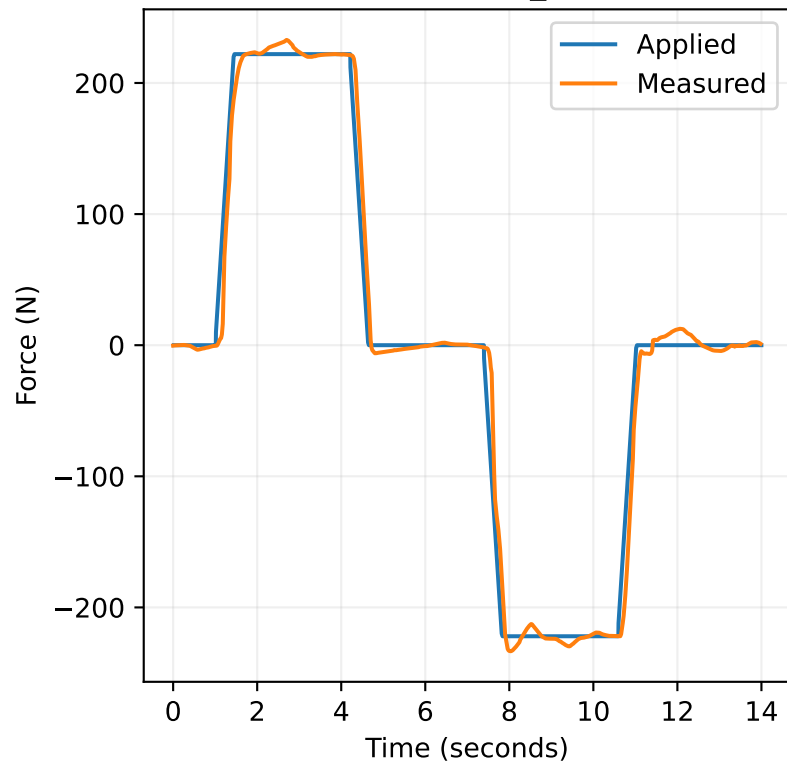Bump Test Response Delay. Actuator ID 410
2024-01-03T17:41:40

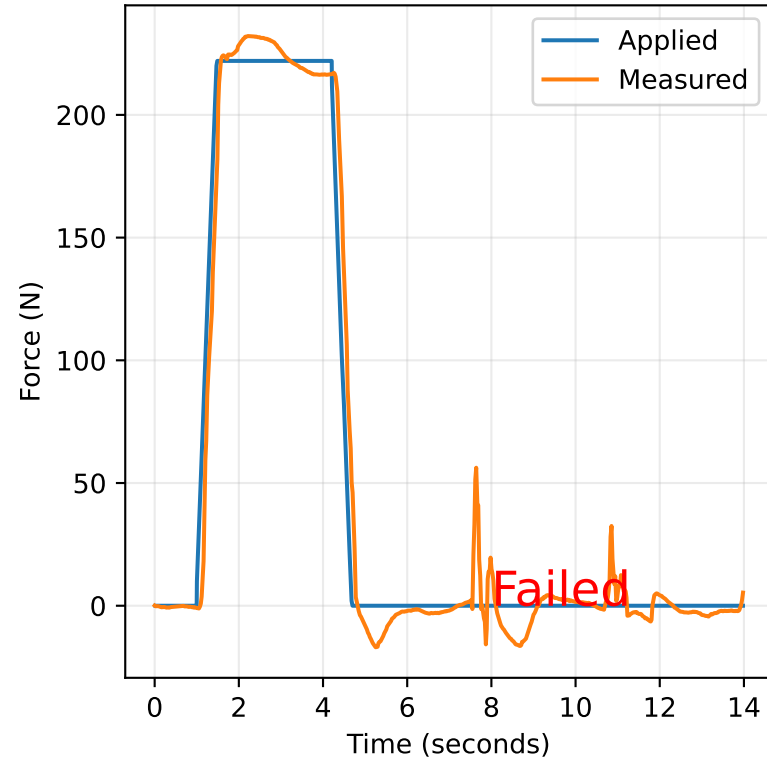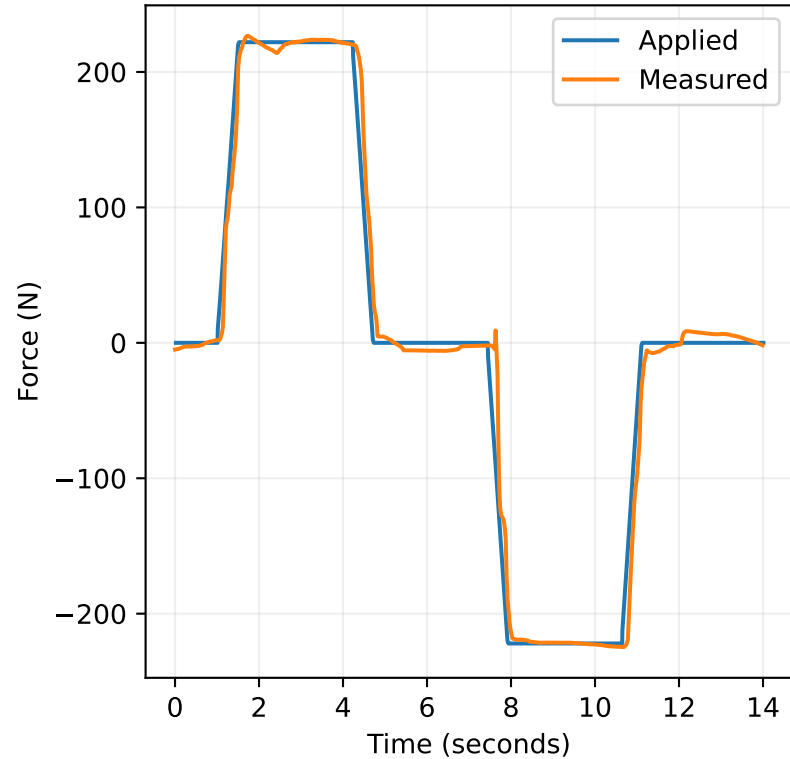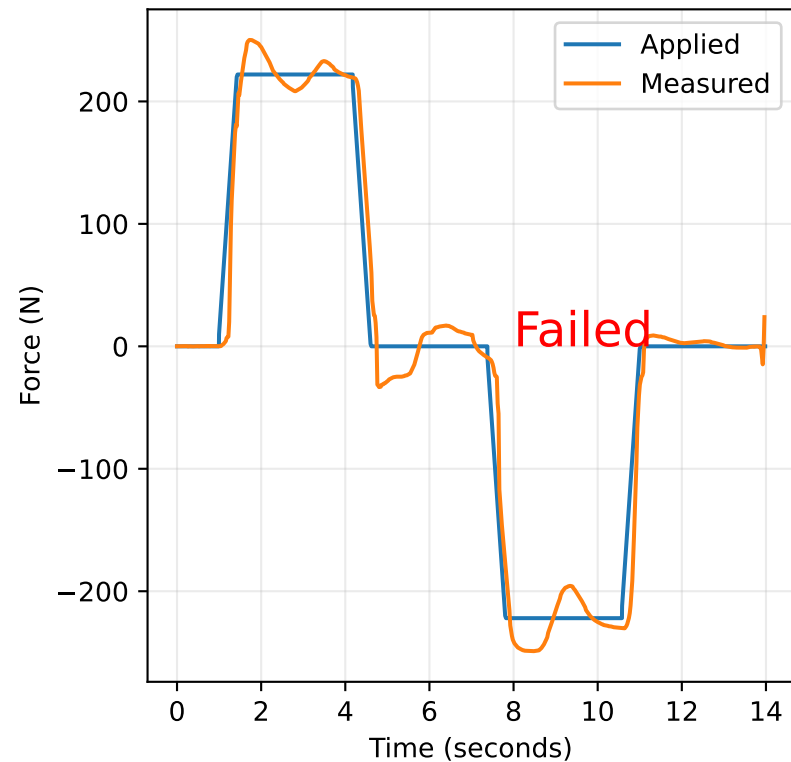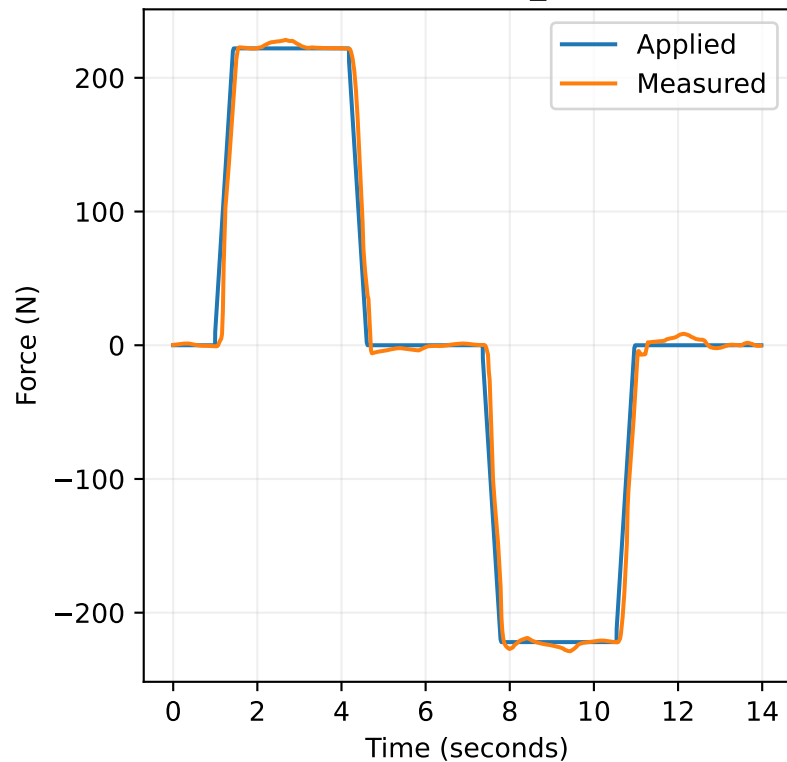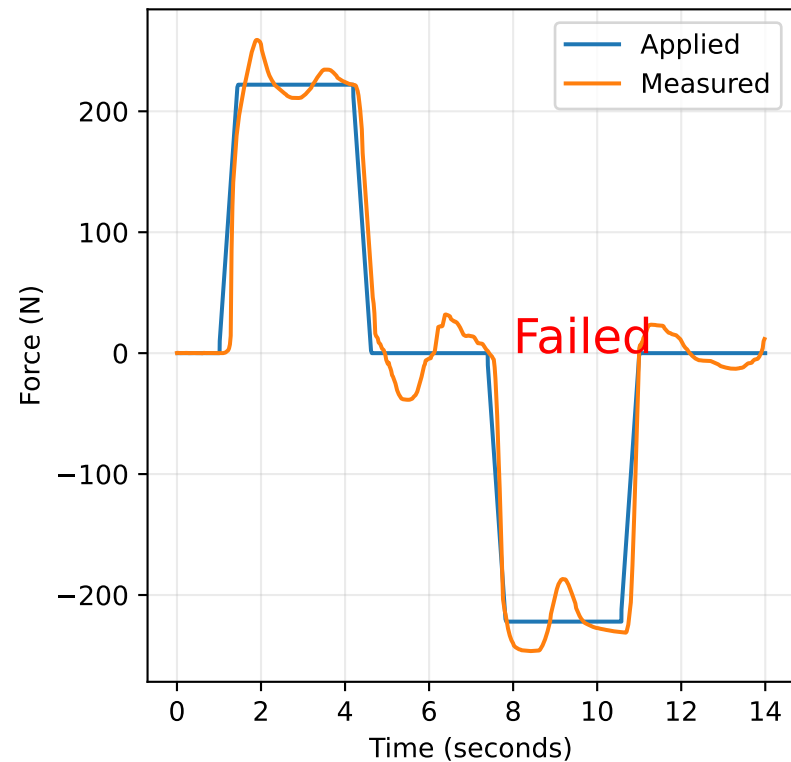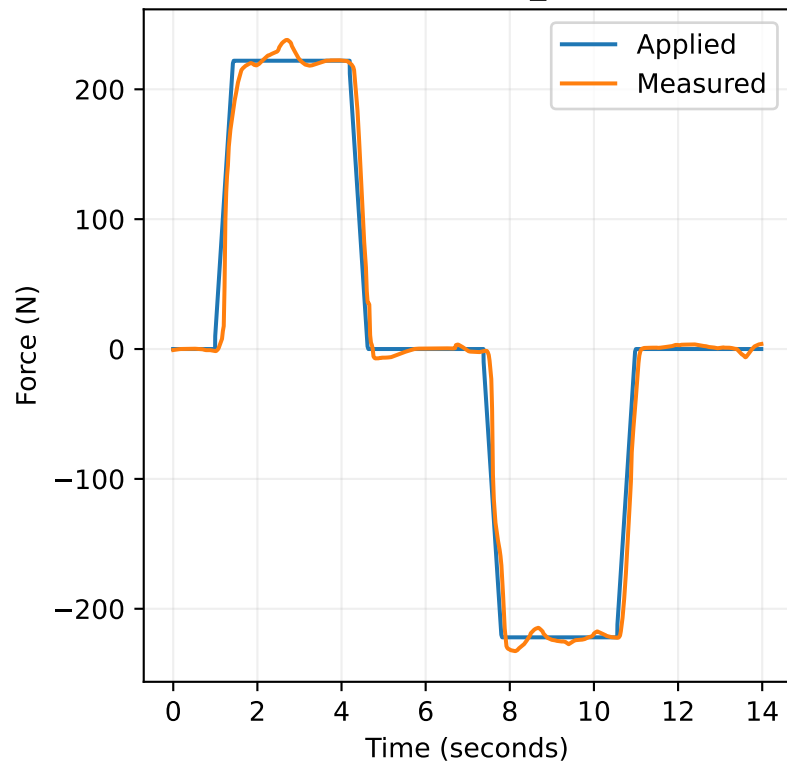Bump Test Response Delay. Actuator ID 410
2024-01-03T17:49:57
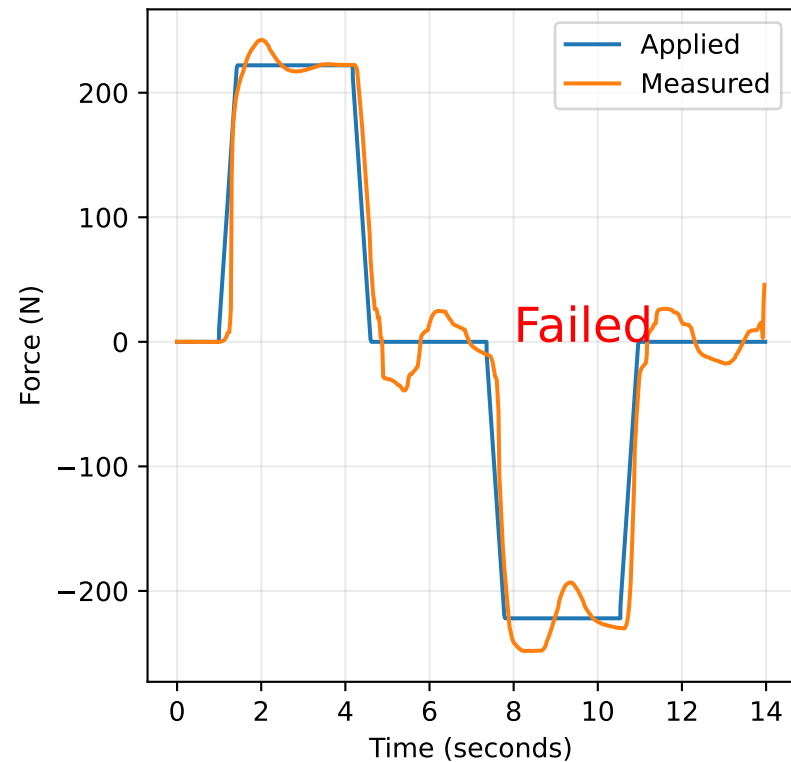
Bump Test Response Delay. Actuator ID 410
2024-01-03T17:50:37

Bump Test Response Delay. Actuator ID 410
2024-01-03T17:51:43

Primary - Z

Force (N)

Applied
Measured

Failed

Time (seconds)

Secondary - Y_PLUS

Force (N)

Applied
Measured

Time (seconds)

Bump Test Response Delay. Actuator ID 410
2024-01-03T17:55:07

Bump Test Response Delay. Actuator ID 410
2024-01-03T17:57:32

Bump Test Response Delay. Actuator ID 330
2024-01-03T18:08:47

Bump Test Response Delay. Actuator ID 410
2024-01-03T18:09:27

Primary - Z

Secondary - Y_PLUS

Failed

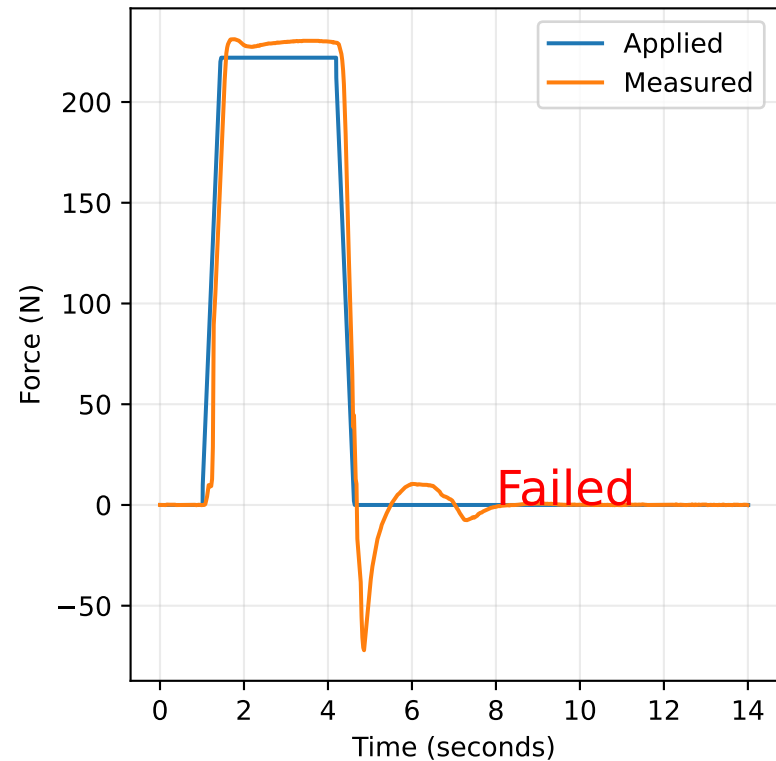Bump Test Response Delay. Actuator ID 410
2024-01-04T10:59:33

Bump Test Response Delay. Actuator ID 235
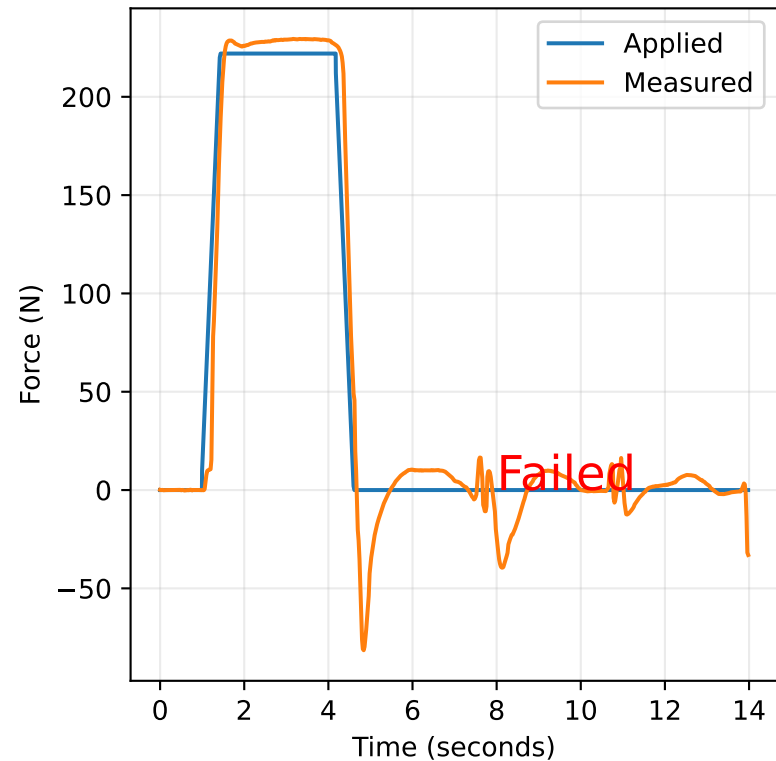## 2024-01-05T03:47:52

Primary - Z

Secondary - X_PLUS

Applied
Measured

Failed
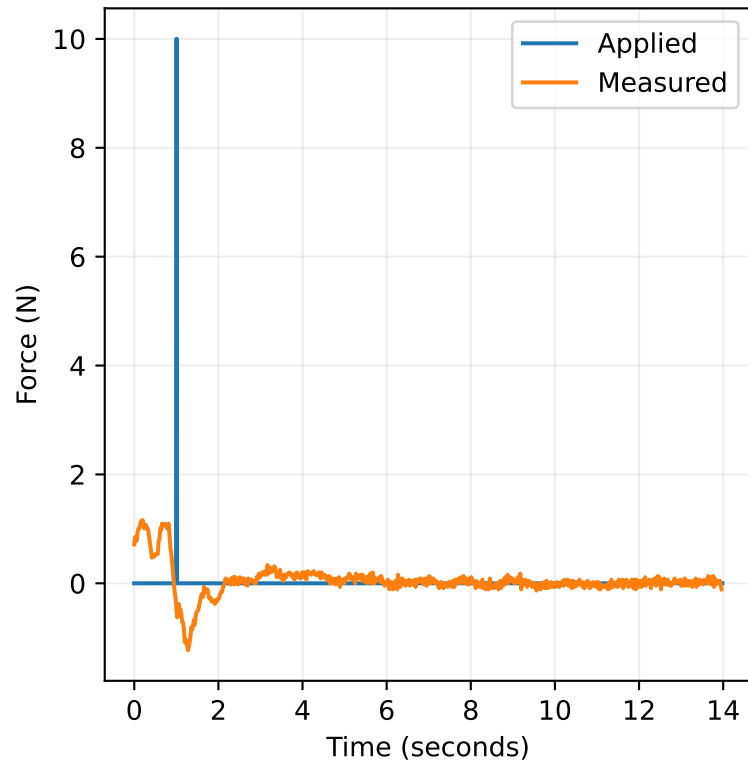
Bump Test Response Delay. Actuator ID 235
2024-01-05T03:53:08

Primary - Z

Secondary - X_PLUS
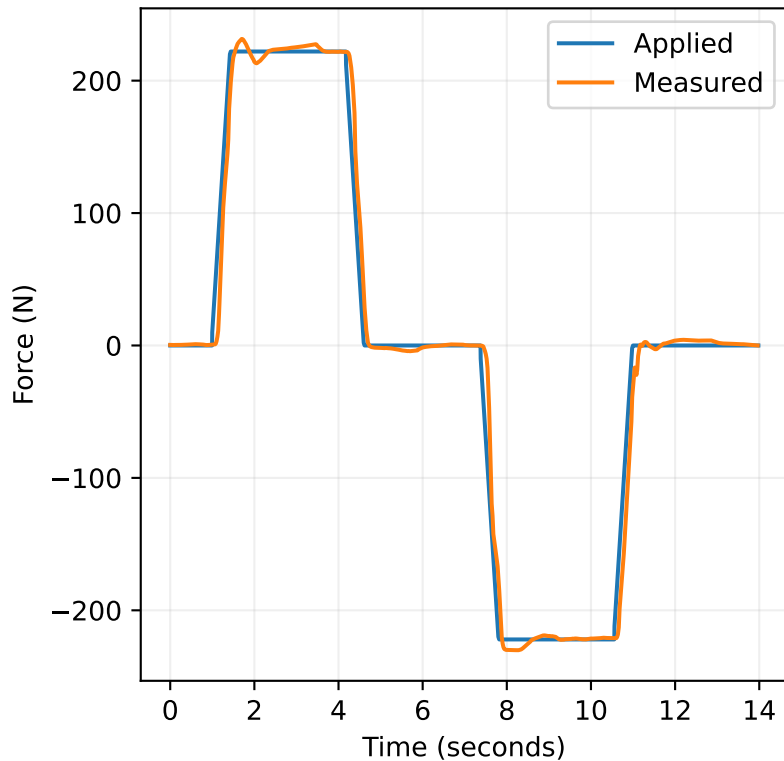
Failed
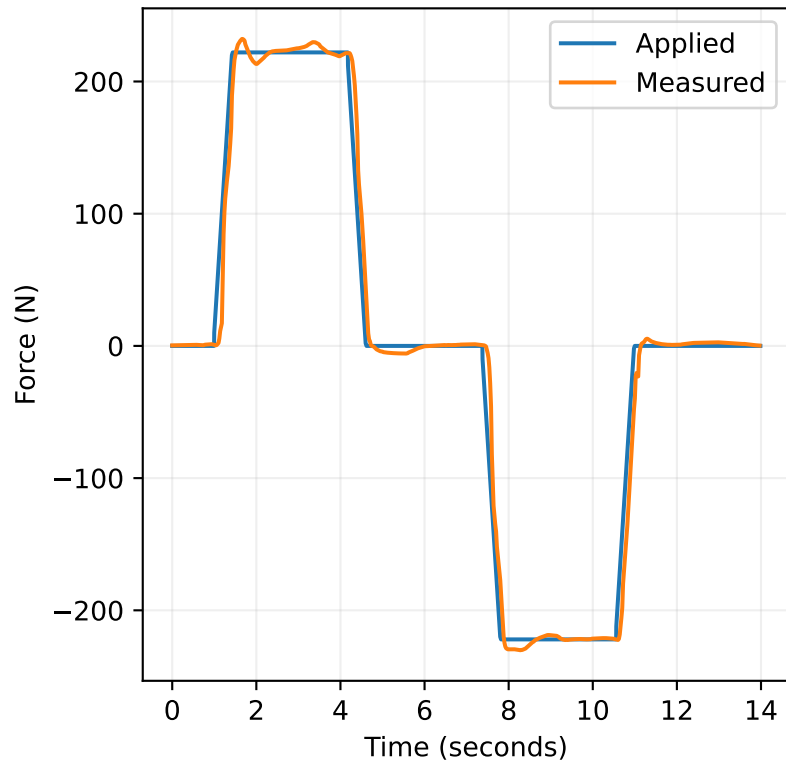
Bump Test Response Delay. Actuator ID 235
2024-01-05T04:31:59
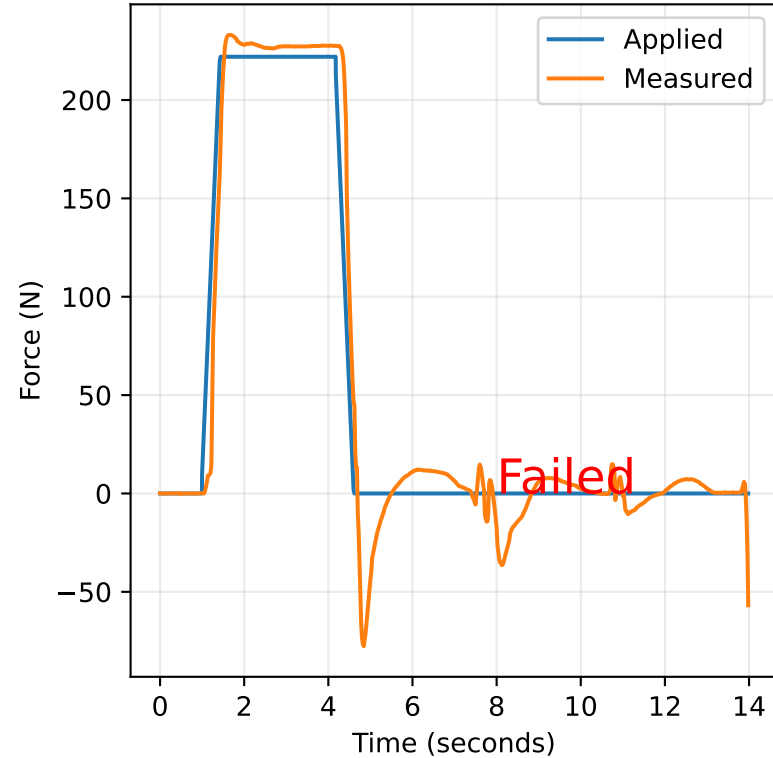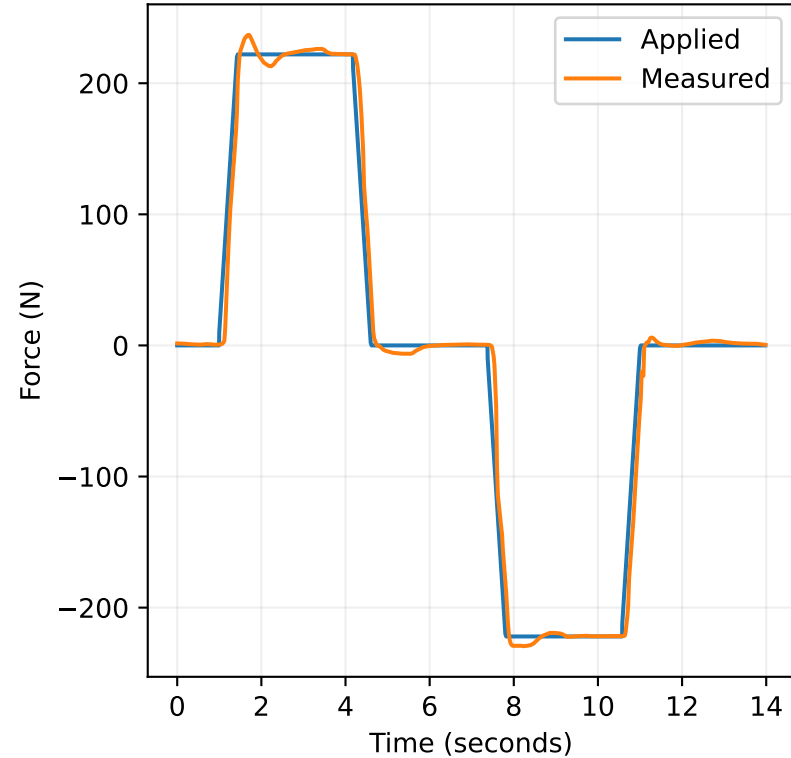
Bump Test Response Delay. Actuator ID 235
2024-01-05T14:34:18
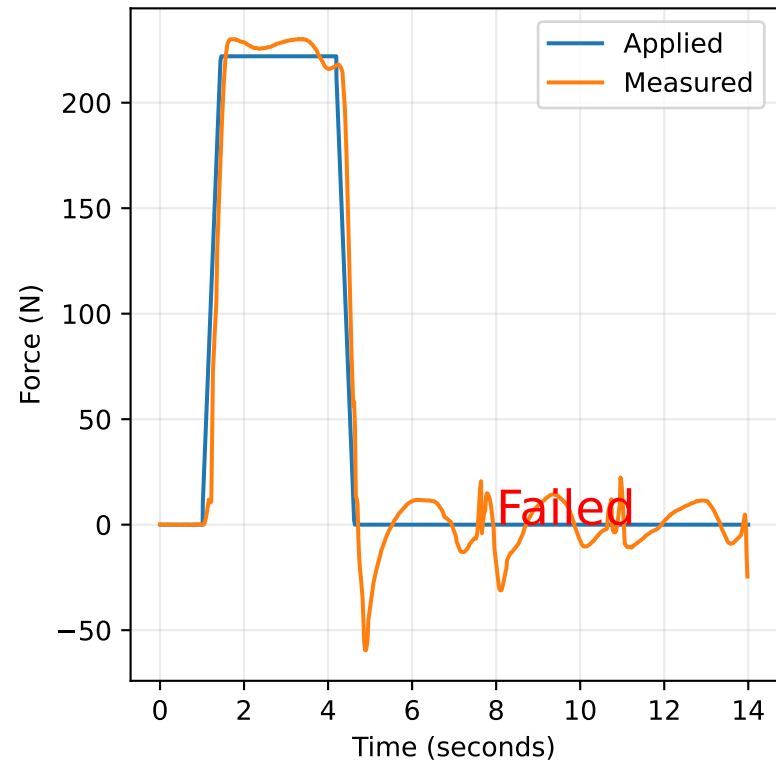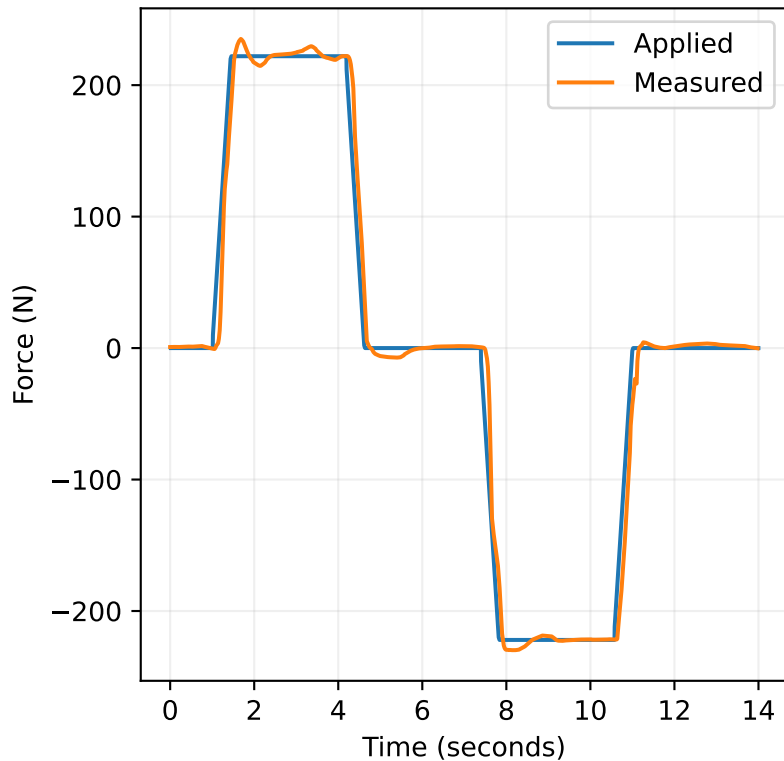
Bump Test Response Delay. Actuator ID 235
2024-01-05T14:39:57
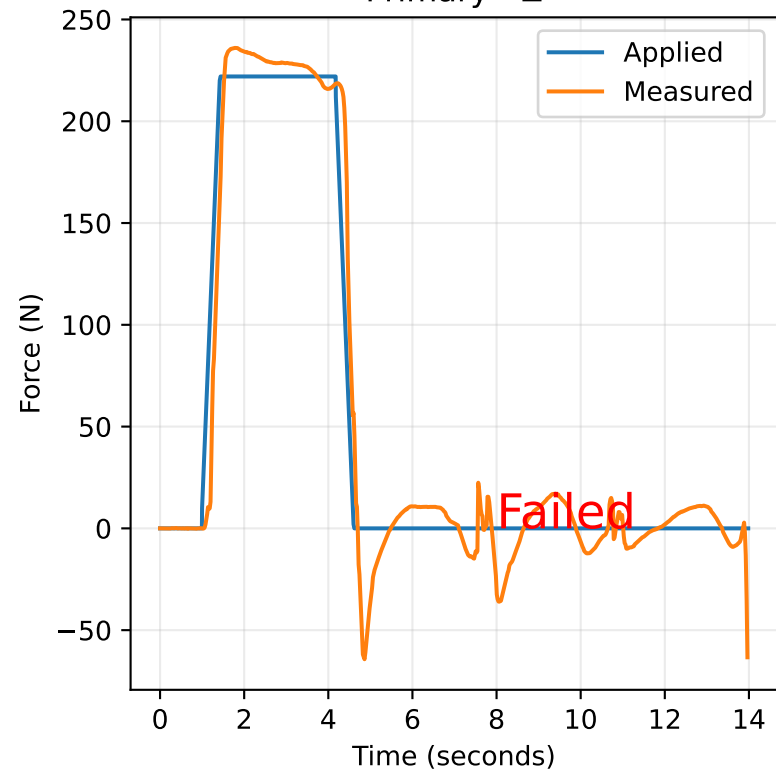
Bump Test Response Delay. Actuator ID 332
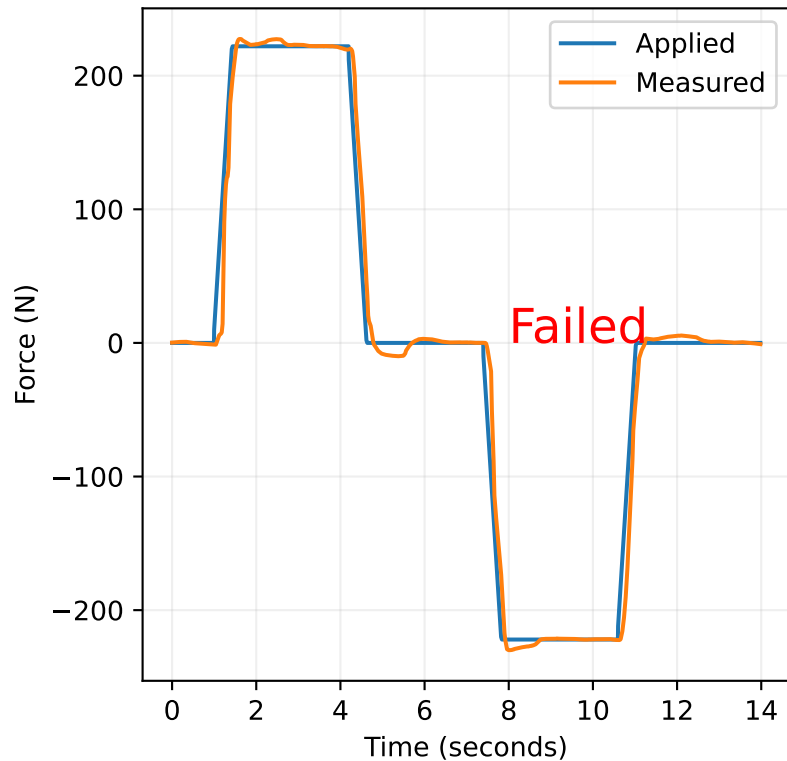## 2024-01-05T17:17:14

Bump Test Response Delay. Actuator ID 322
2024-01-05T17:19:06

Primary - Z

Secondary - Y_PLUS

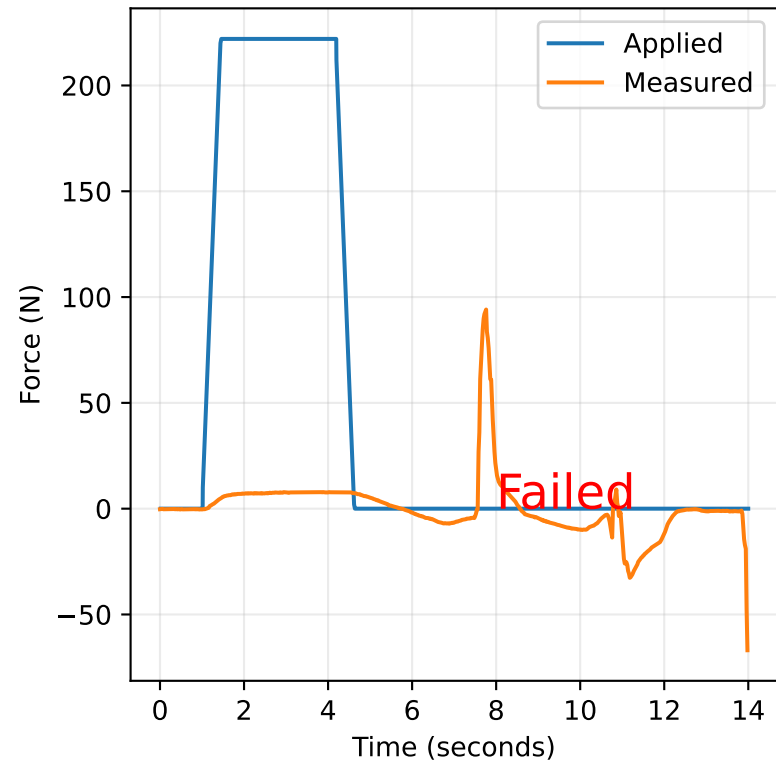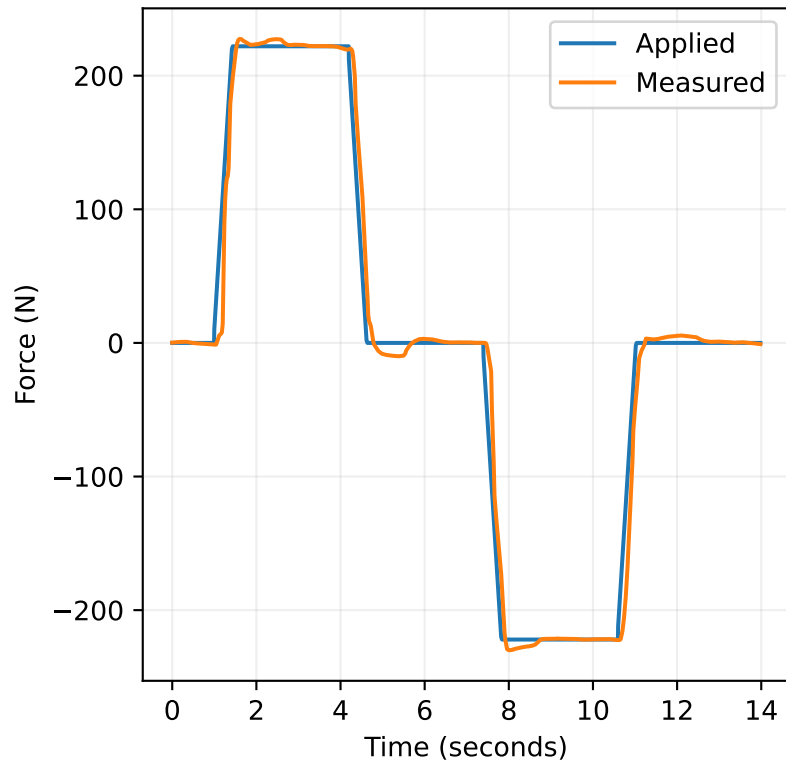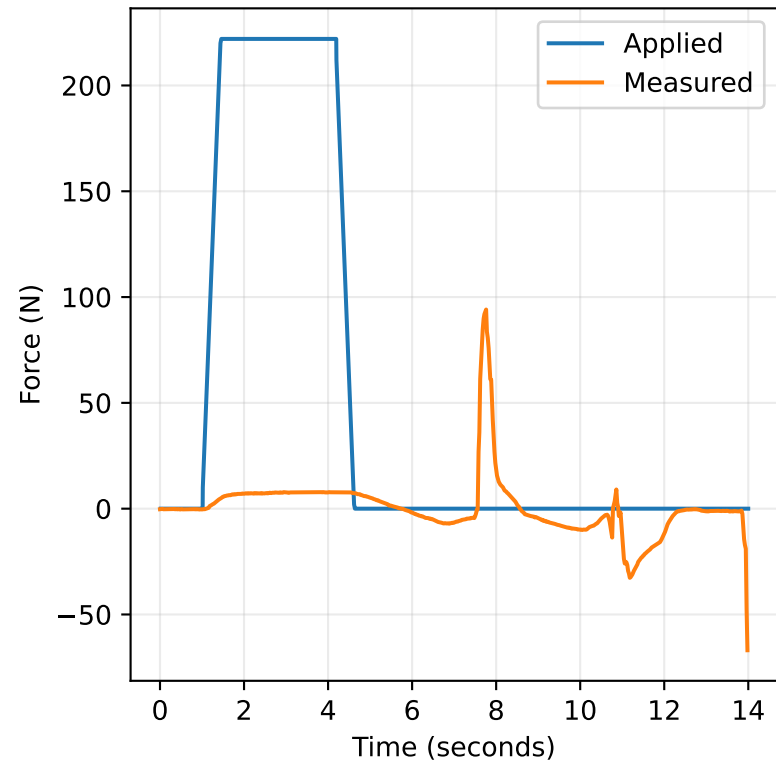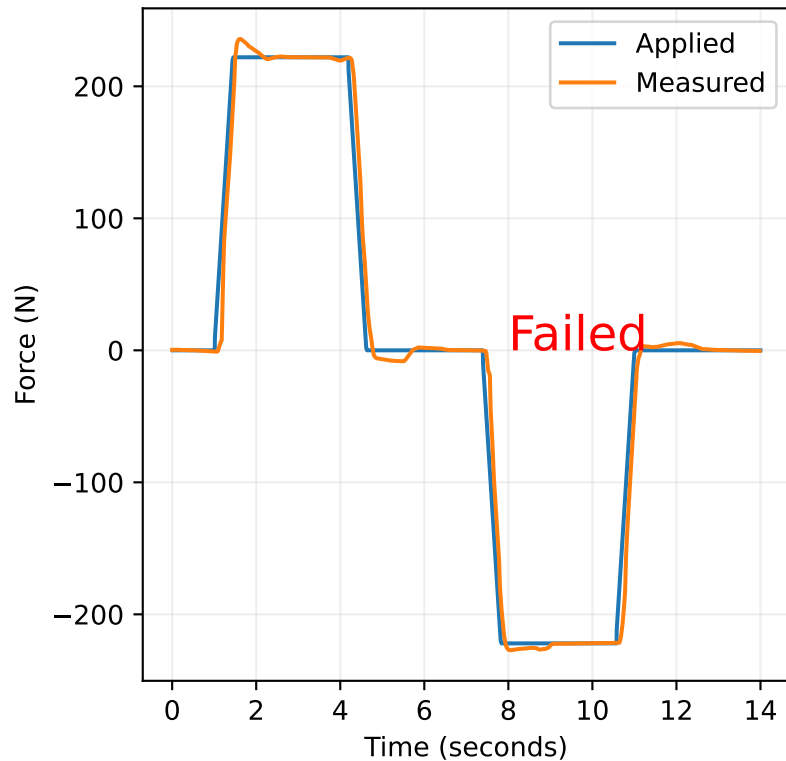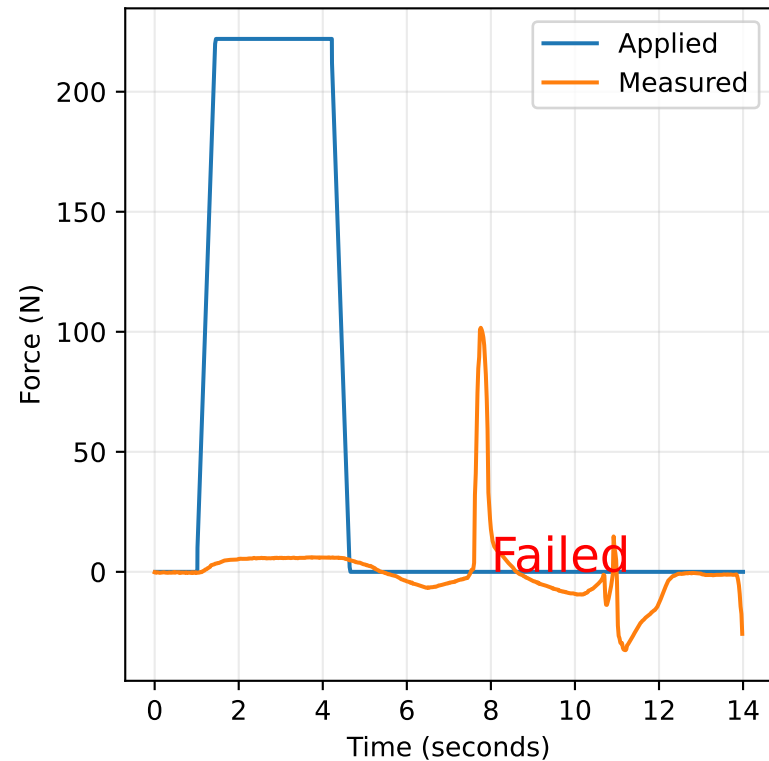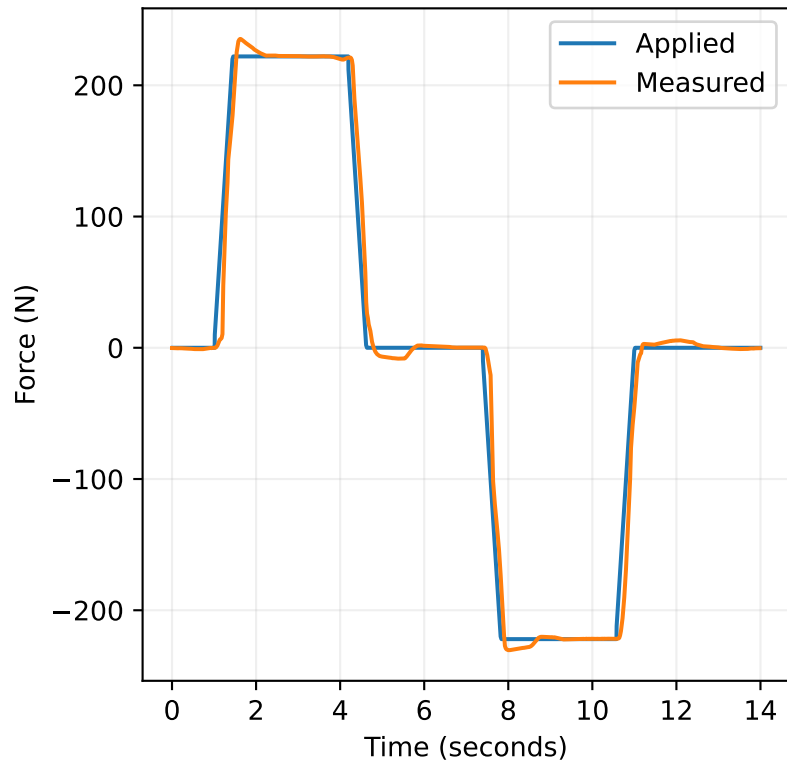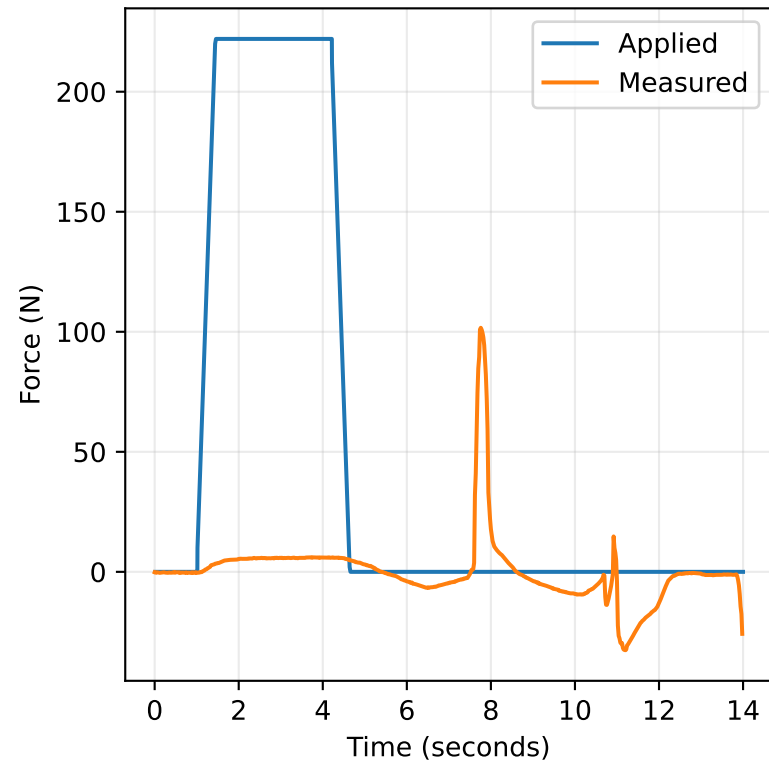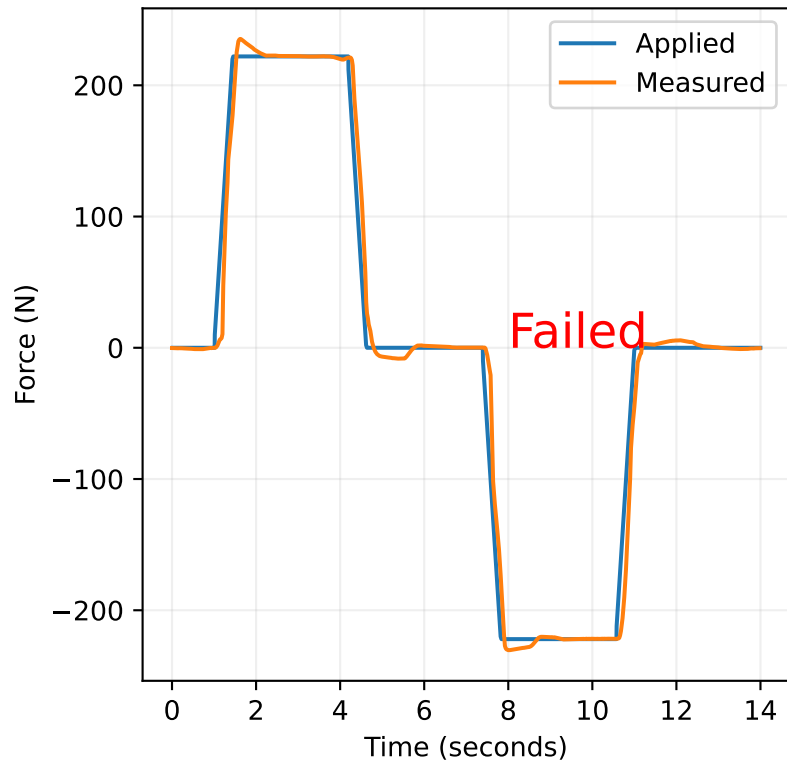Bump Test Response Delay. Actuator ID 322
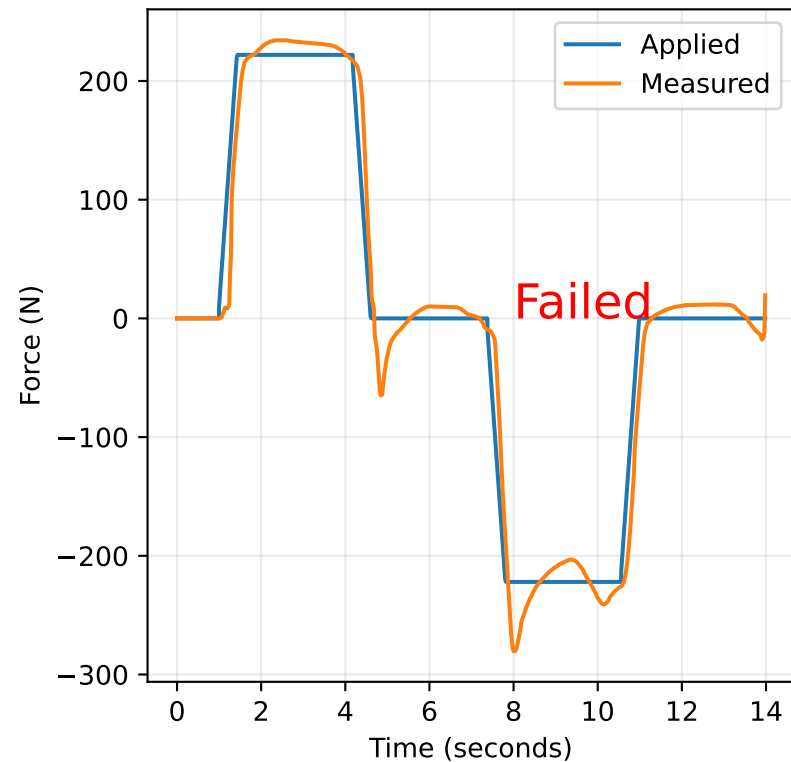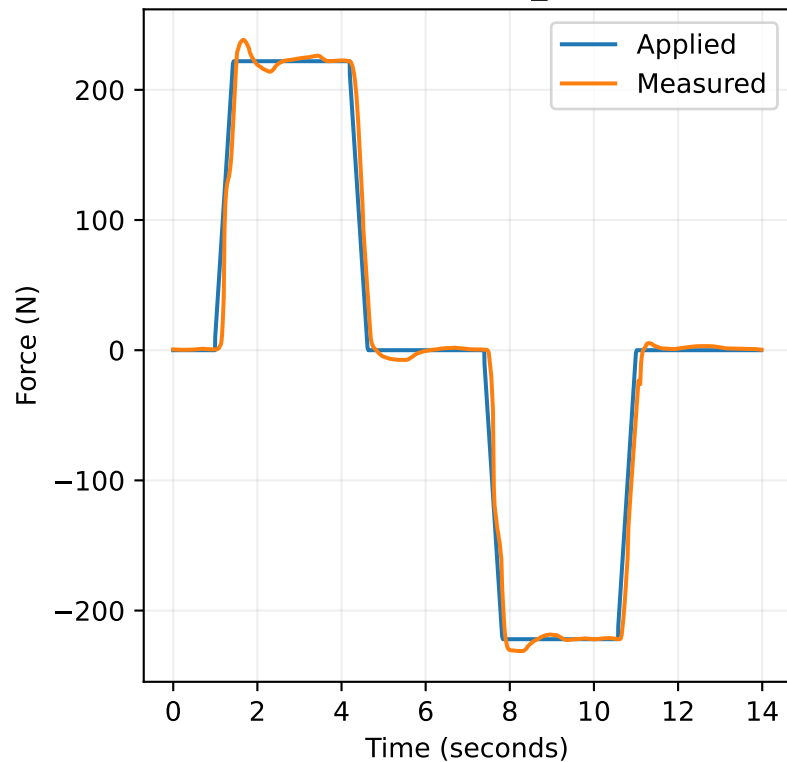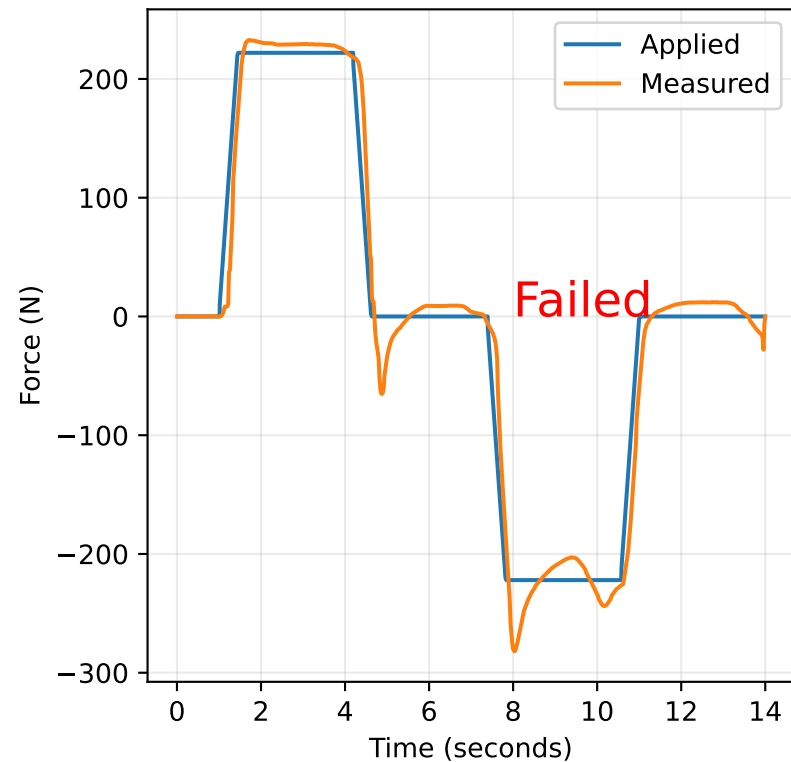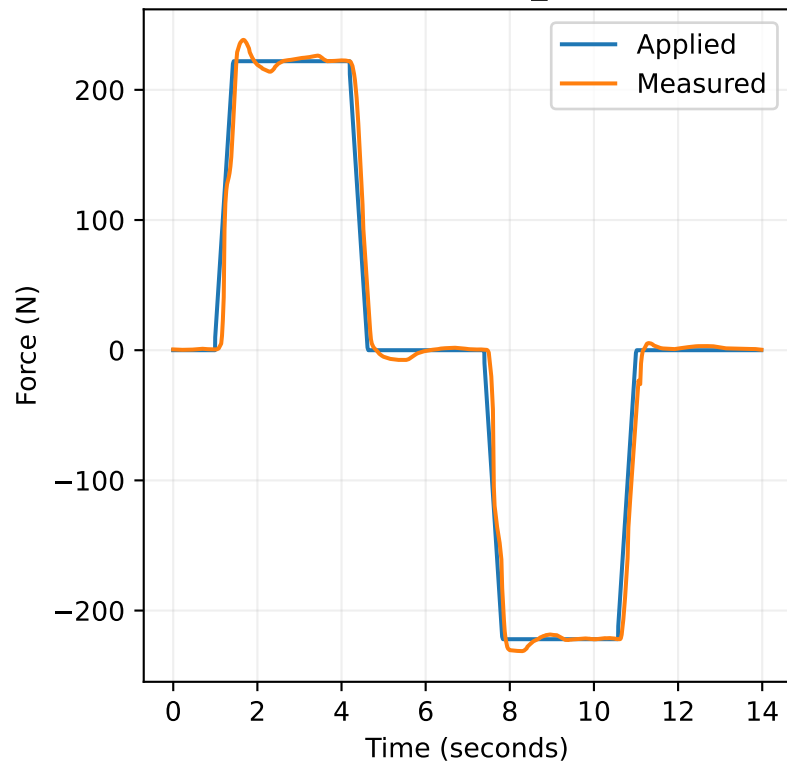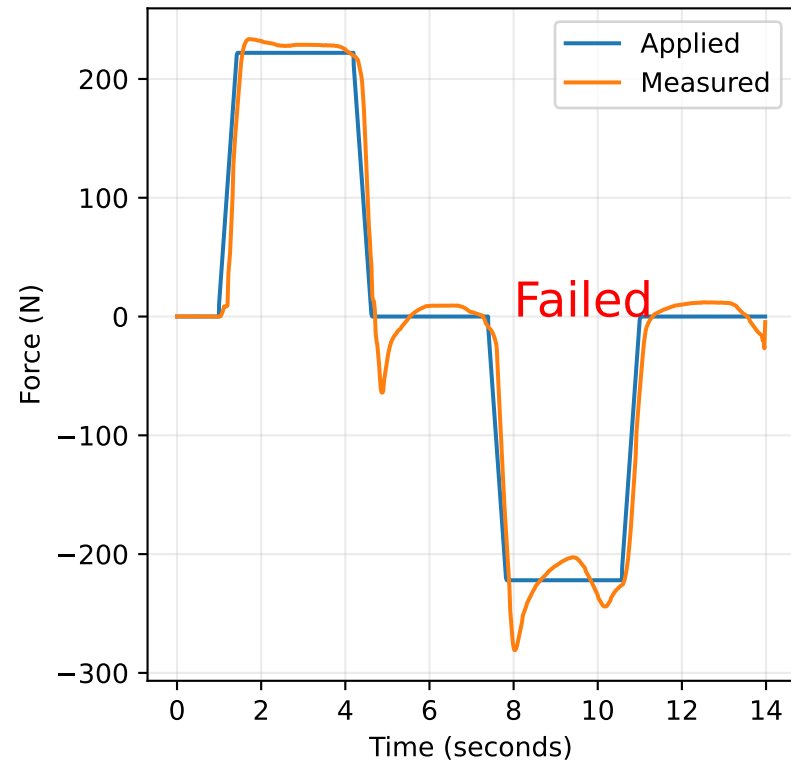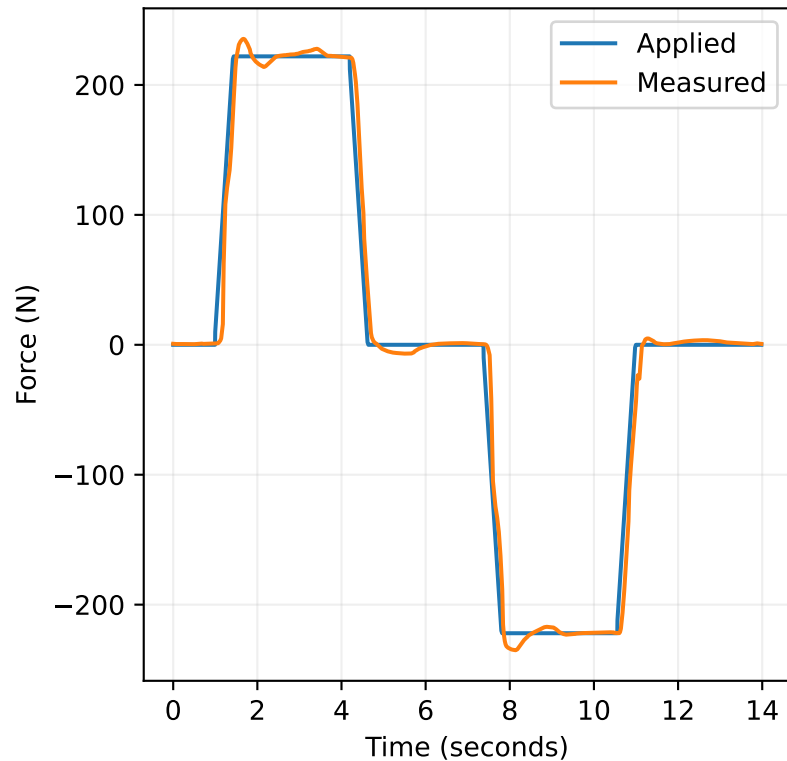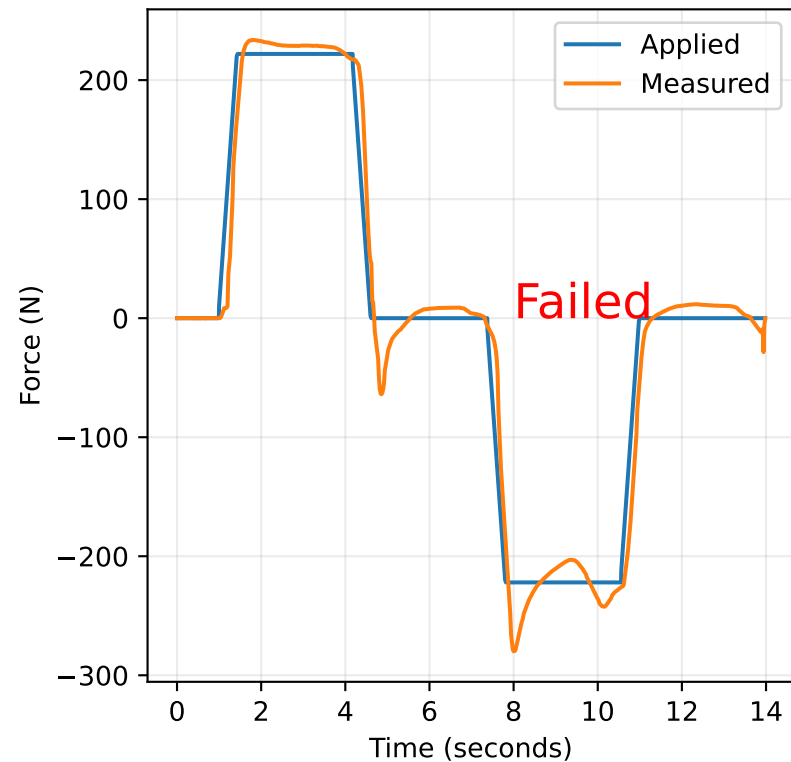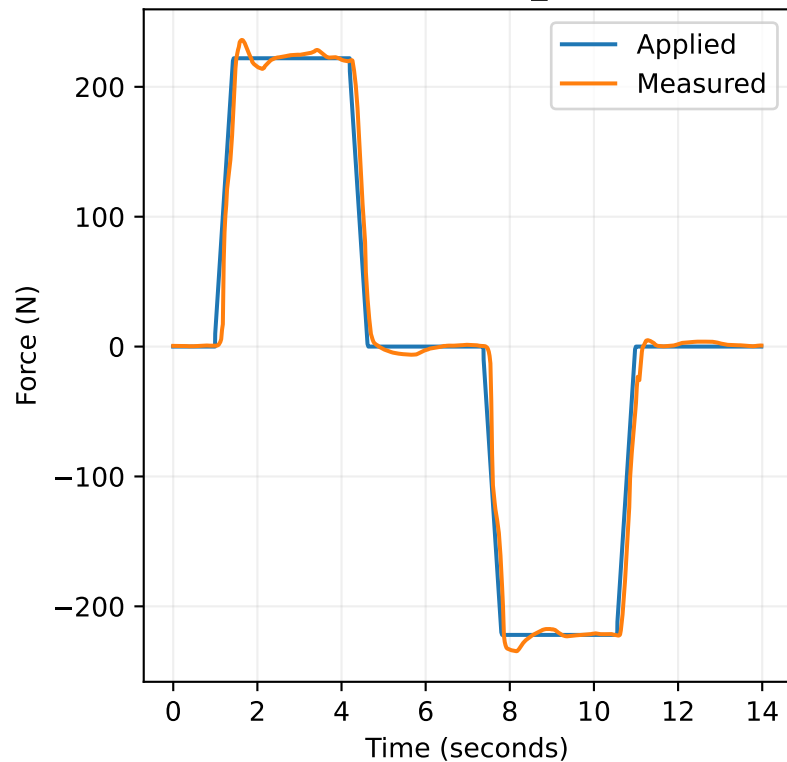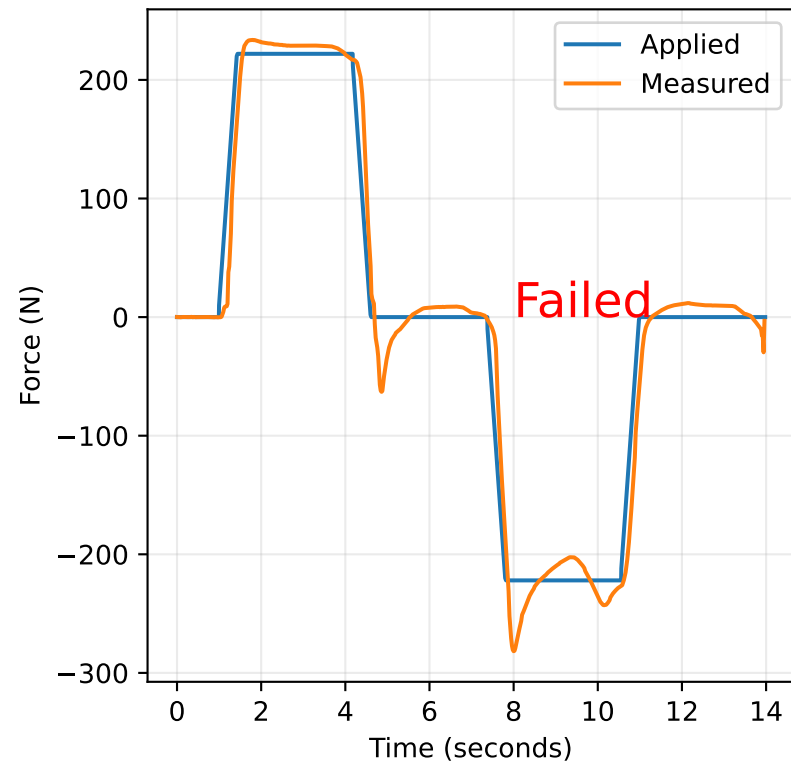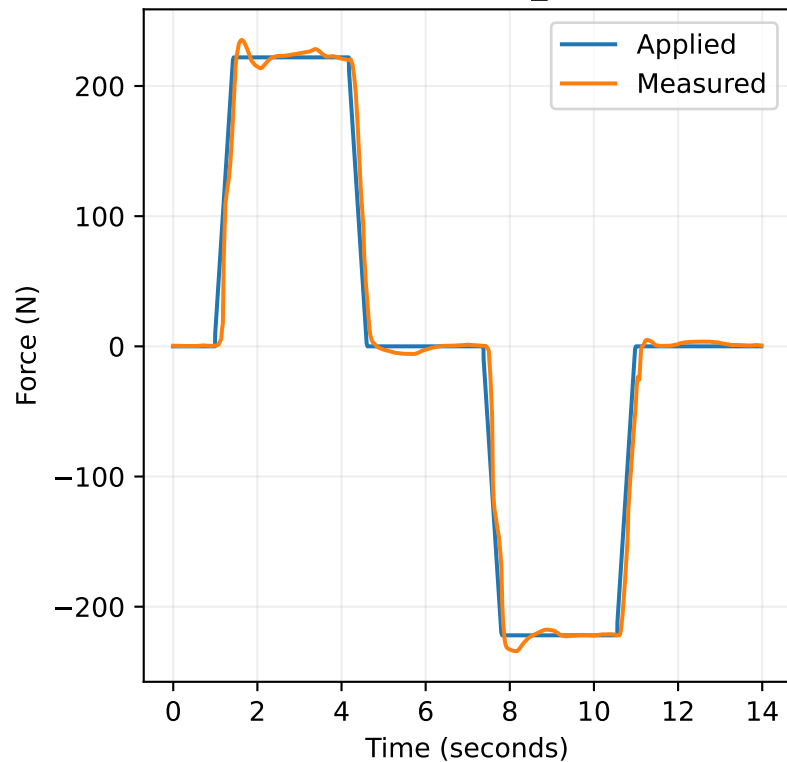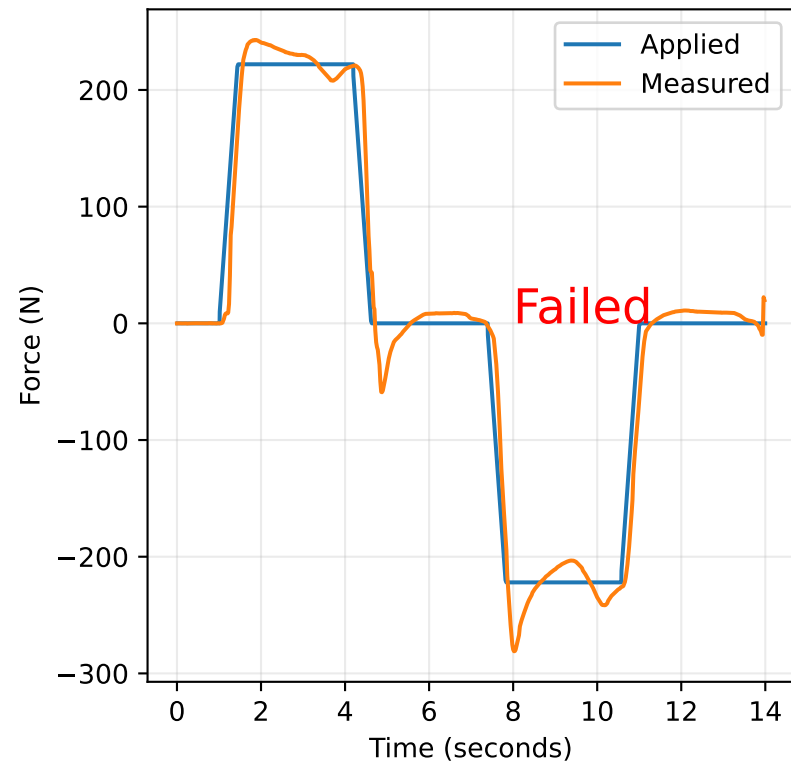2024-01-05T17:19:06

Primary - Z

Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 322
2024-01-05T17:19:36

Bump Test Response Delay. Actuator ID 322
2024-01-05T17:19:36

Bump Test Response Delay. Actuator ID 322
2024-01-05T17:21:33

Bump Test Response Delay. Actuator ID 322
2024-01-05T17:21:33

Bump Test Response Delay. Actuator ID 235
2024-01-05T17:50:12

Bump Test Response Delay. Actuator ID 235
2024-01-05T17:50:45

Bump Test Response Delay. Actuator ID 235
2024-01-05T17:51:19

Bump Test Response Delay. Actuator ID 235
2024-01-05T17:52:34

Bump Test Response Delay. Actuator ID 235
2024-01-05T17:53:18

Primary - Z

Applied
Measured

Failed

Secondary - X_PLUS

Applied
Measured

Force (N)

Time (seconds)

Bump Test Response Delay. Actuator ID 235
2024-01-05T17:56:28
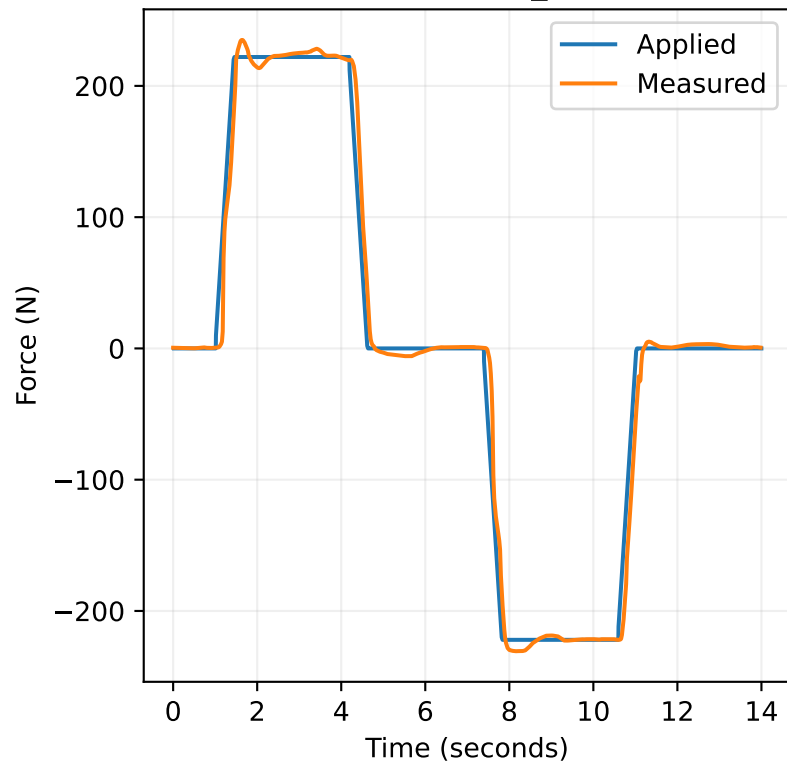
Bump Test Response Delay. Actuator ID 322
2024-01-05T17:57:00
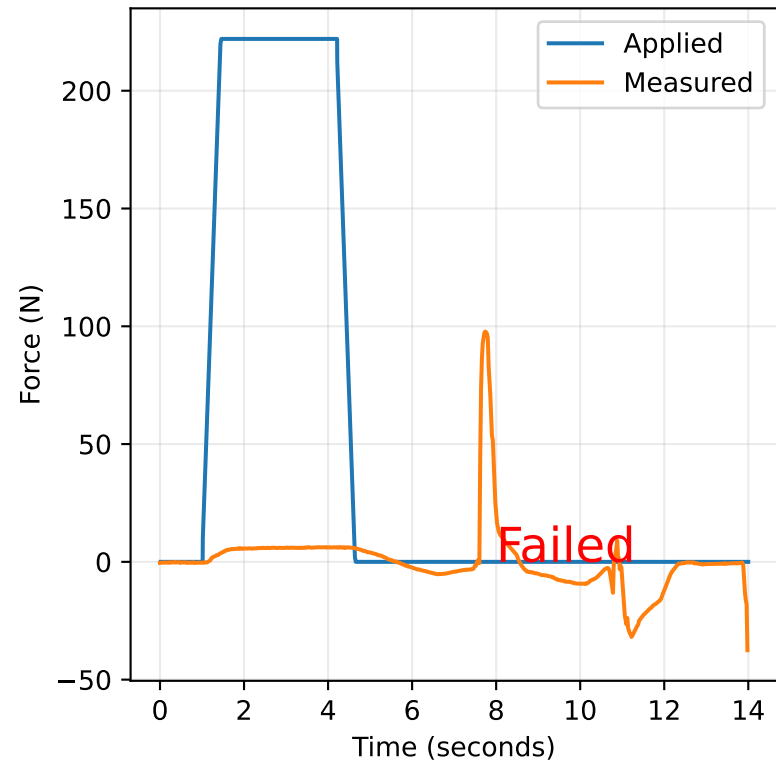
Bump Test Response Delay. Actuator ID 322
2024-01-05T17:57:00
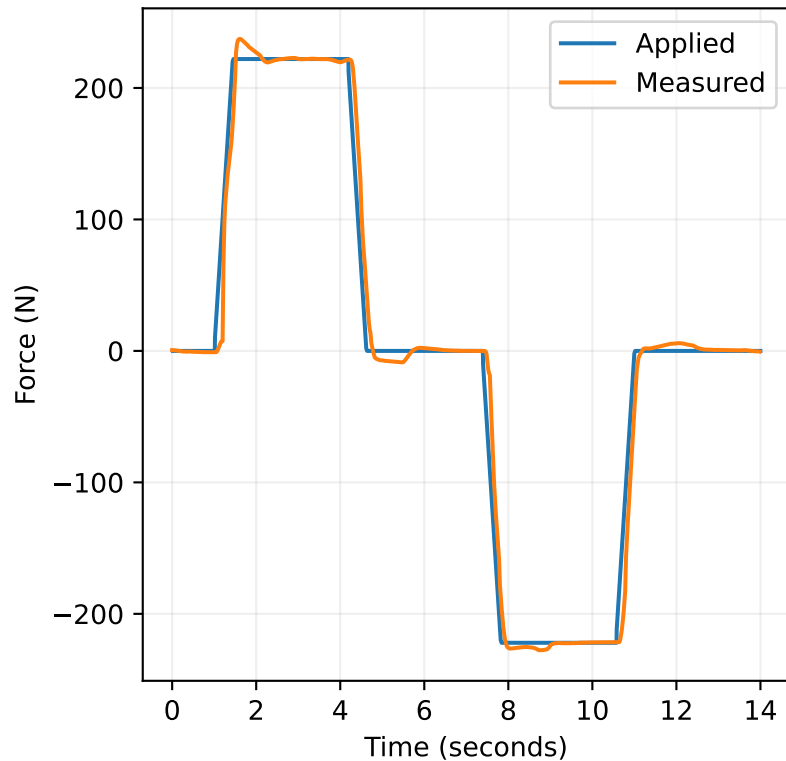
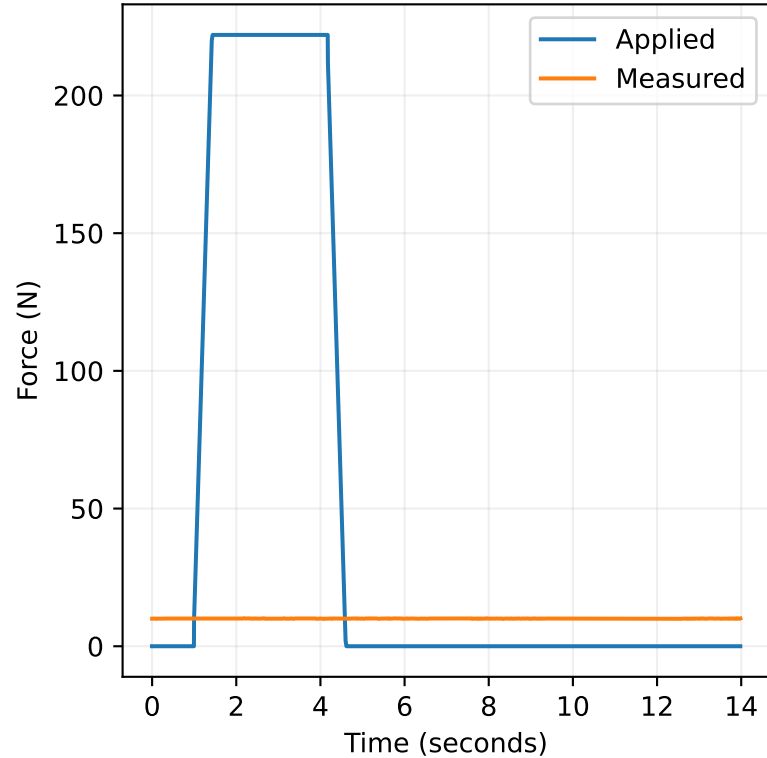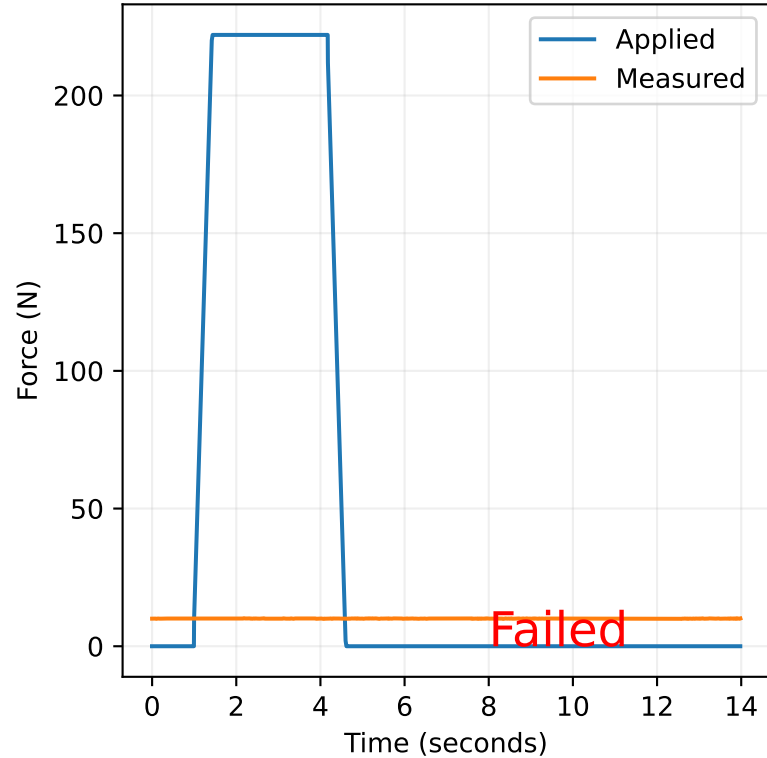Bump Test Response Delay. Actuator ID 438
2024-01-05T18:03:24
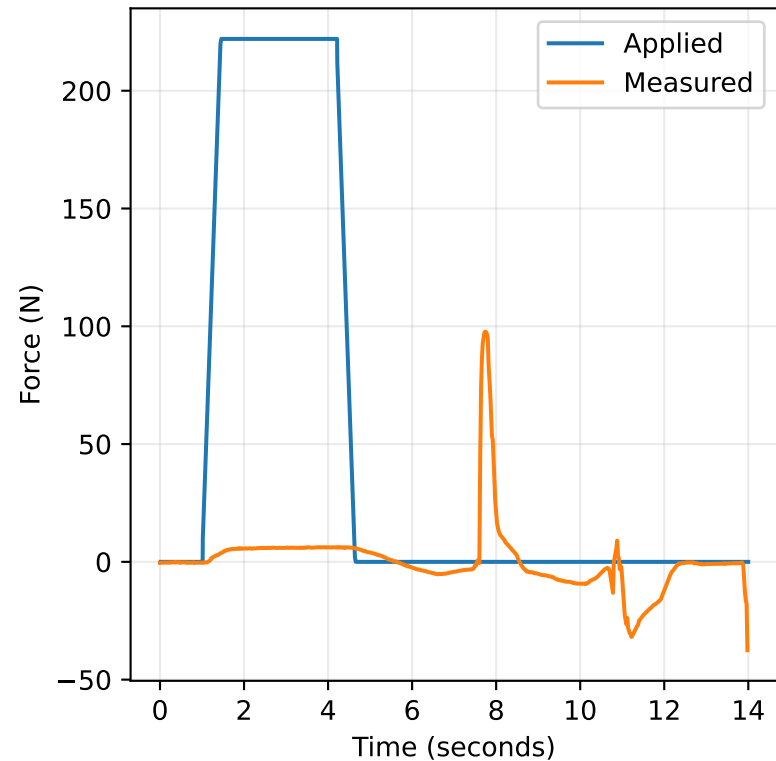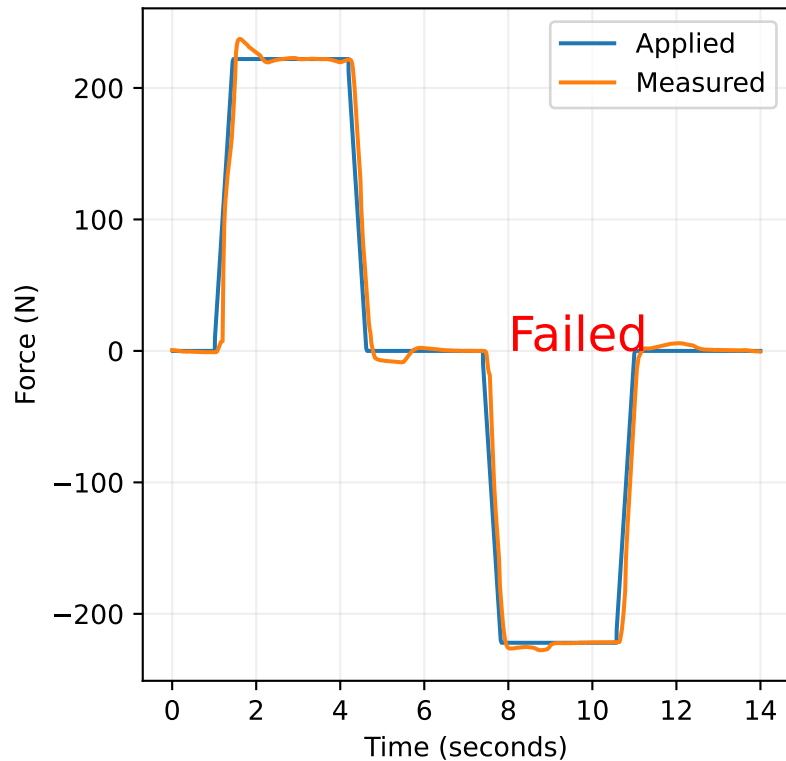
Bump Test Response Delay. Actuator ID 438
2024-01-05T18:03:24

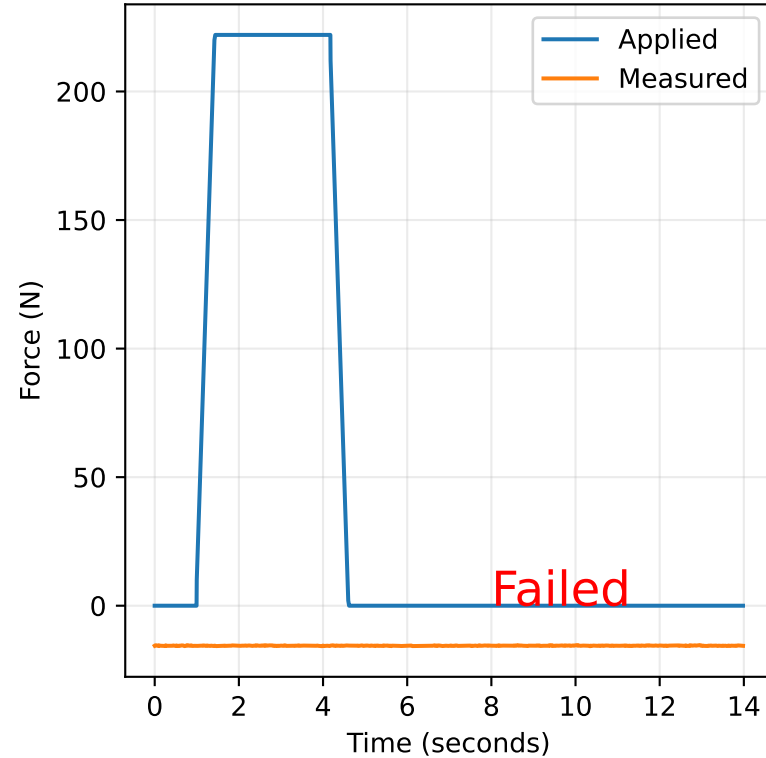**Primary - Z**

Applied
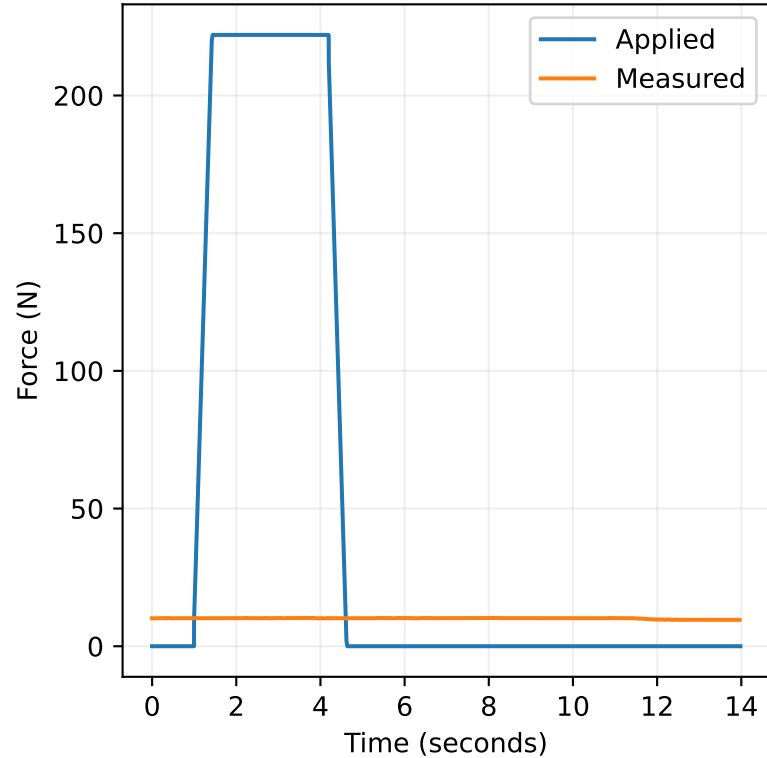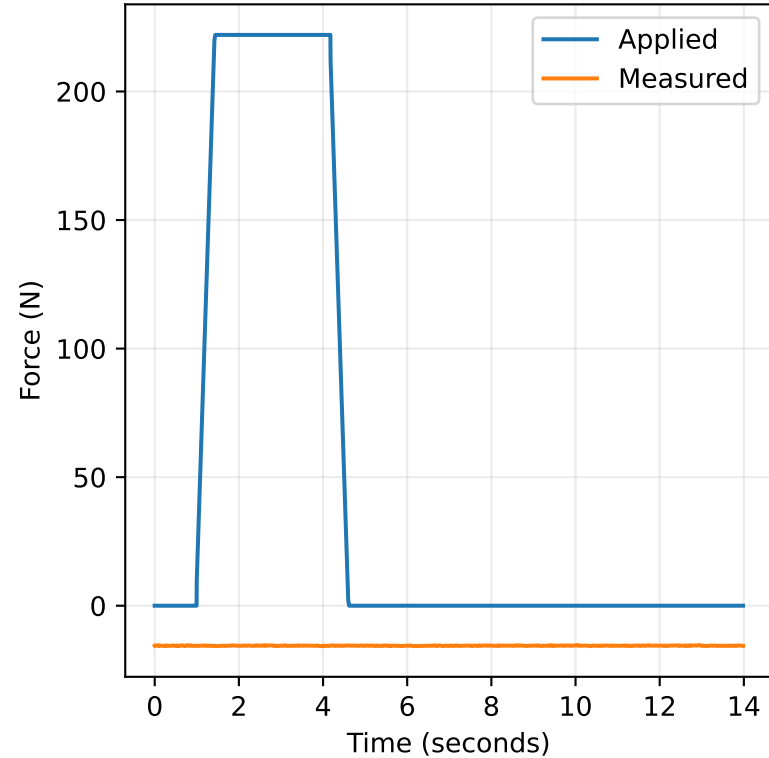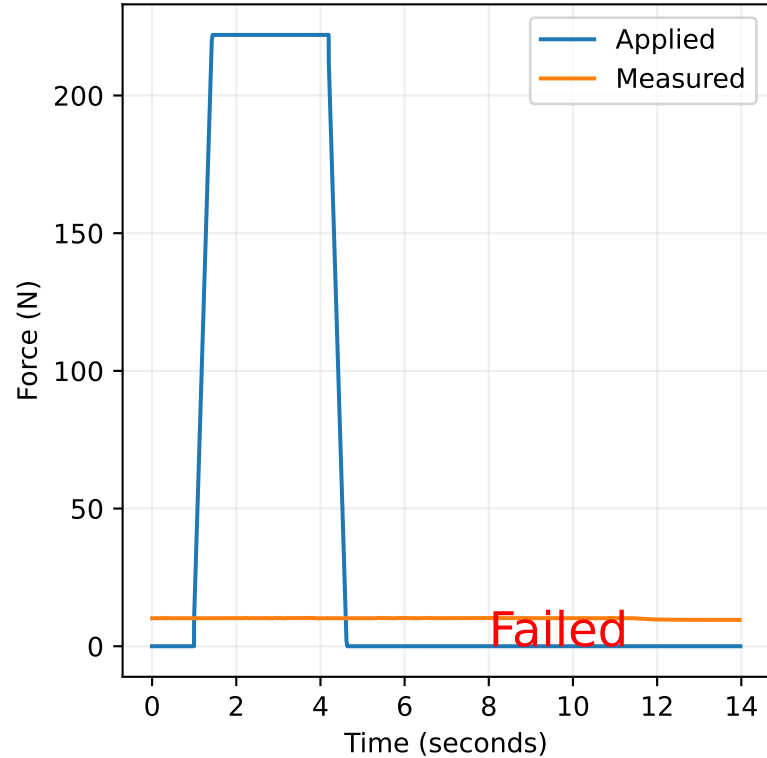Measured

Secondary - Y_PLUS

Applied
Measured

Failed
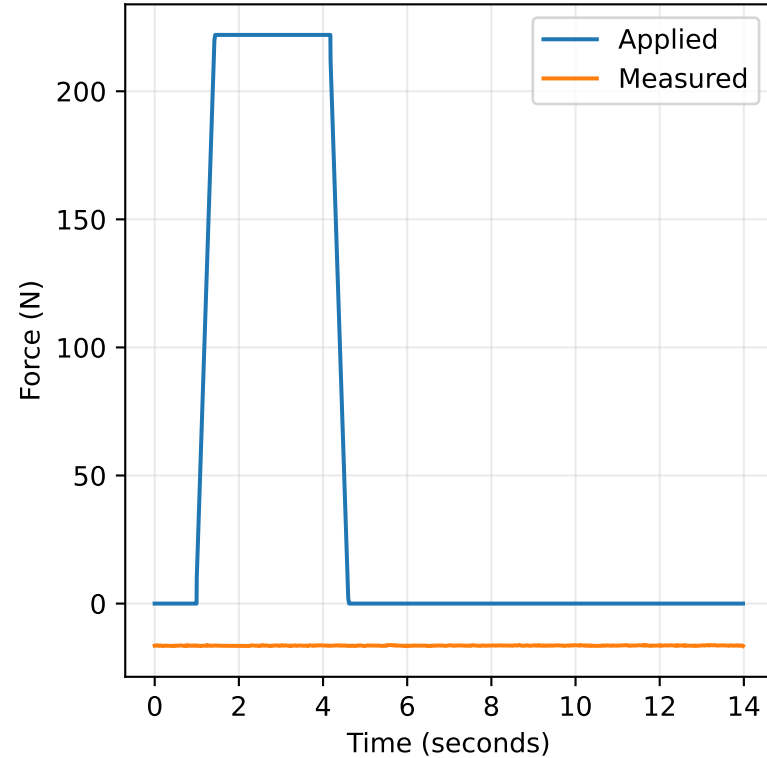
Bump Test Response Delay. Actuator ID 438
2024-01-05T18:12:05

Primary - Z

Secondary - Y_PLUS

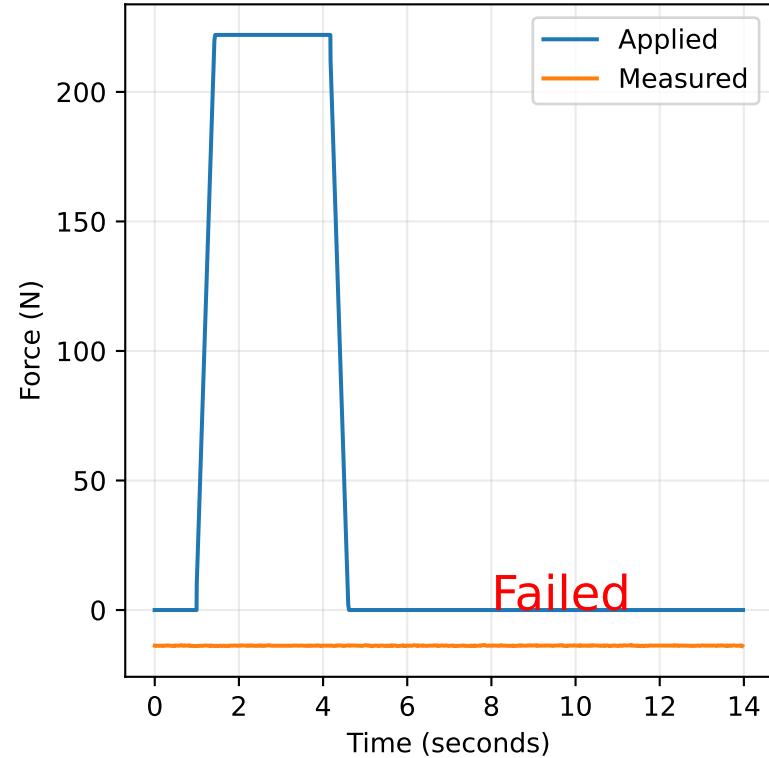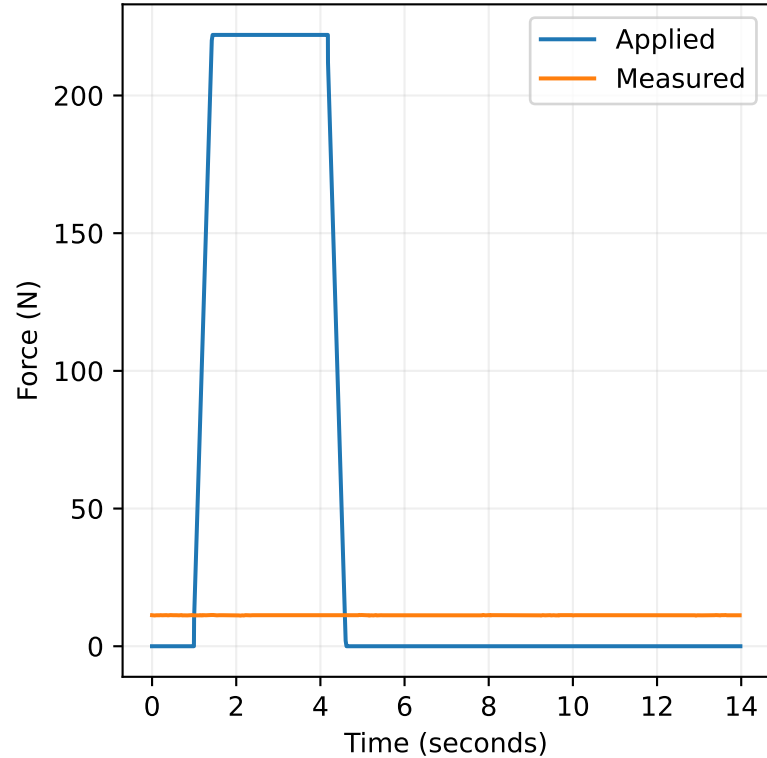Bump Test Response Delay. Actuator ID 438
2024-01-05T18:12:05

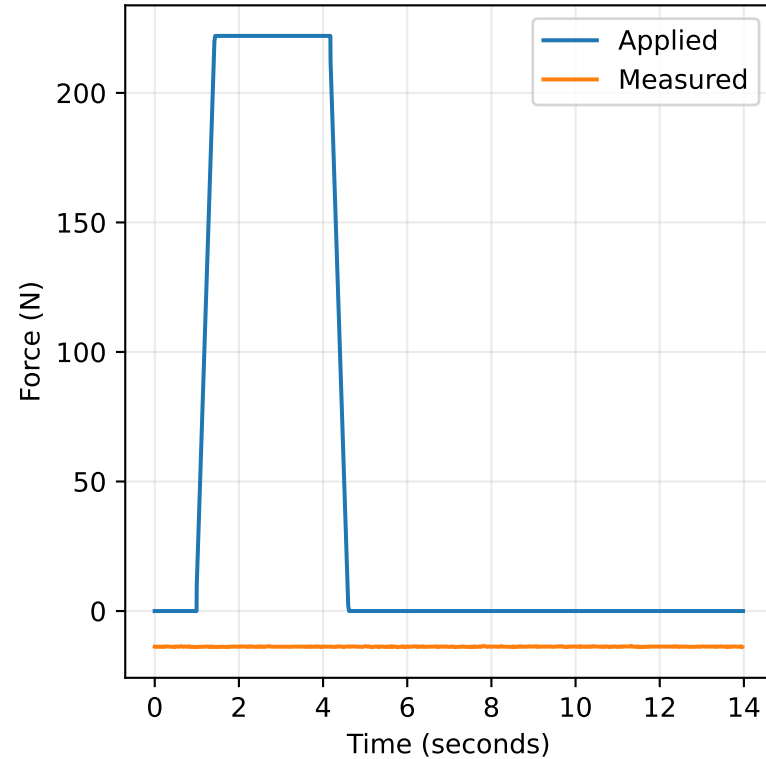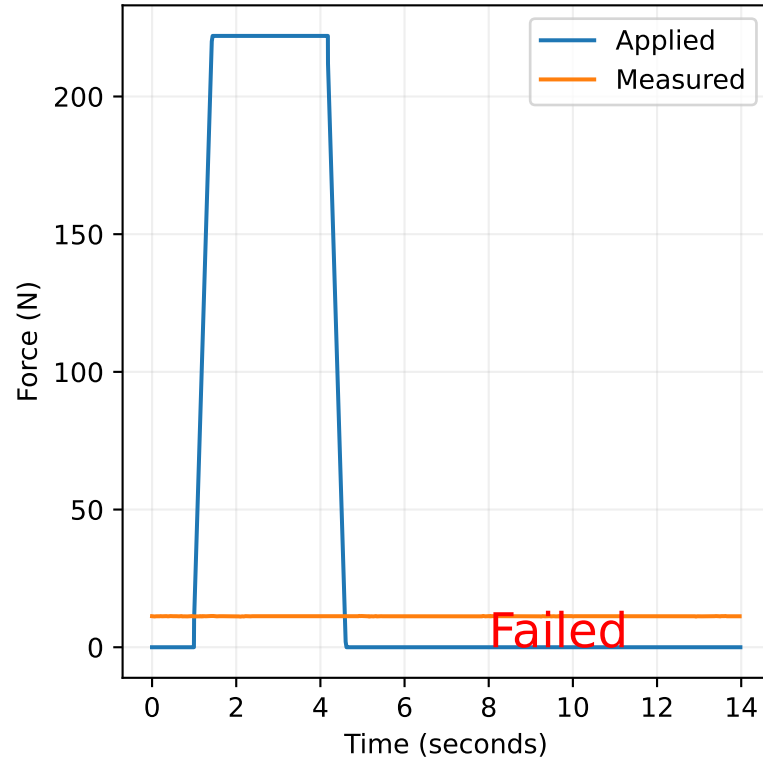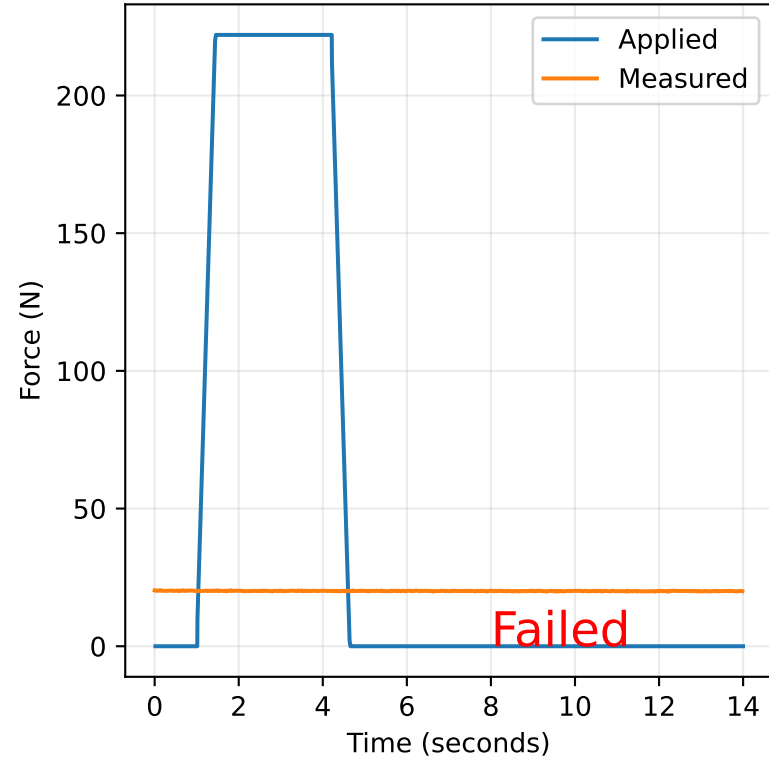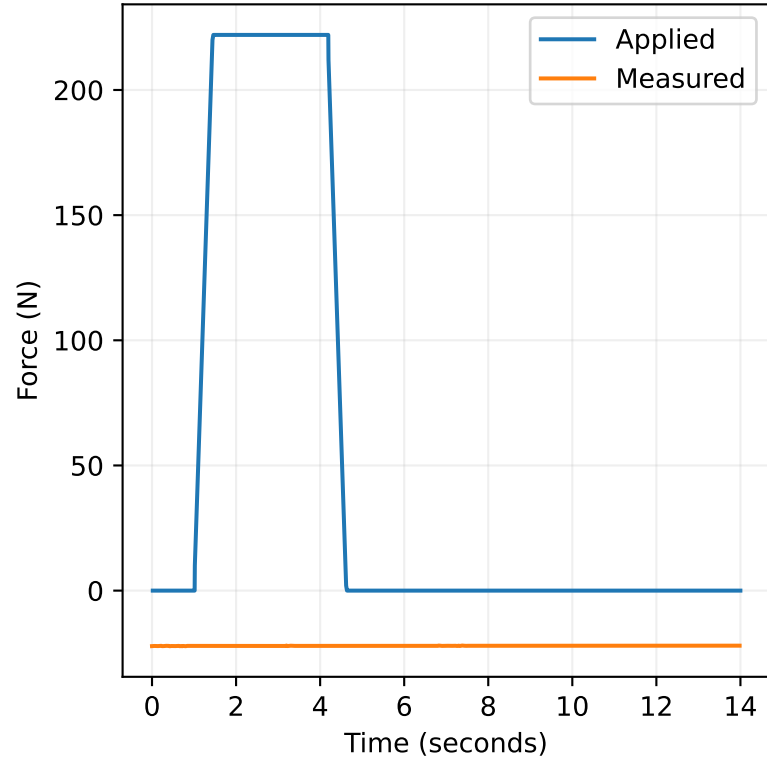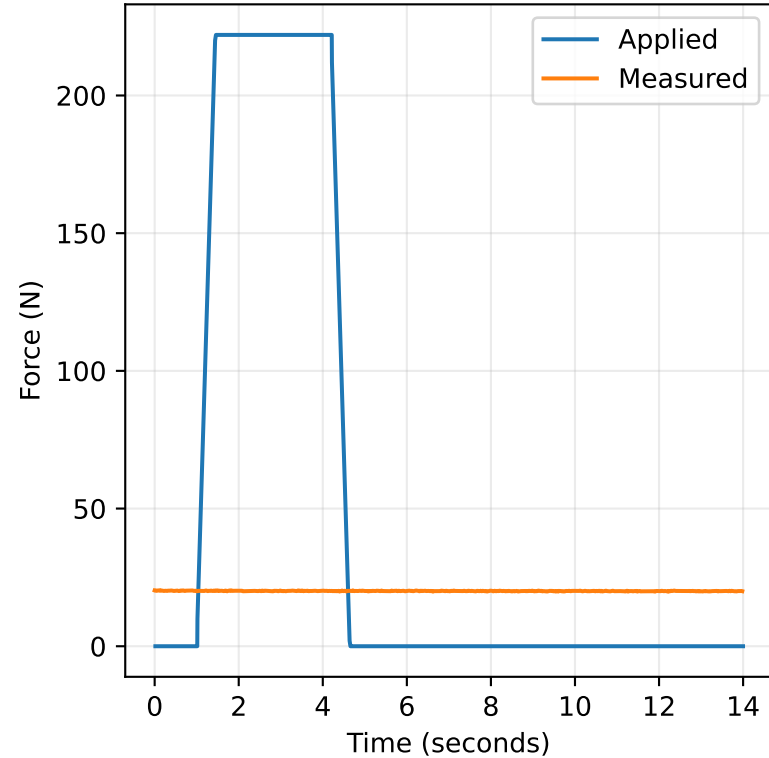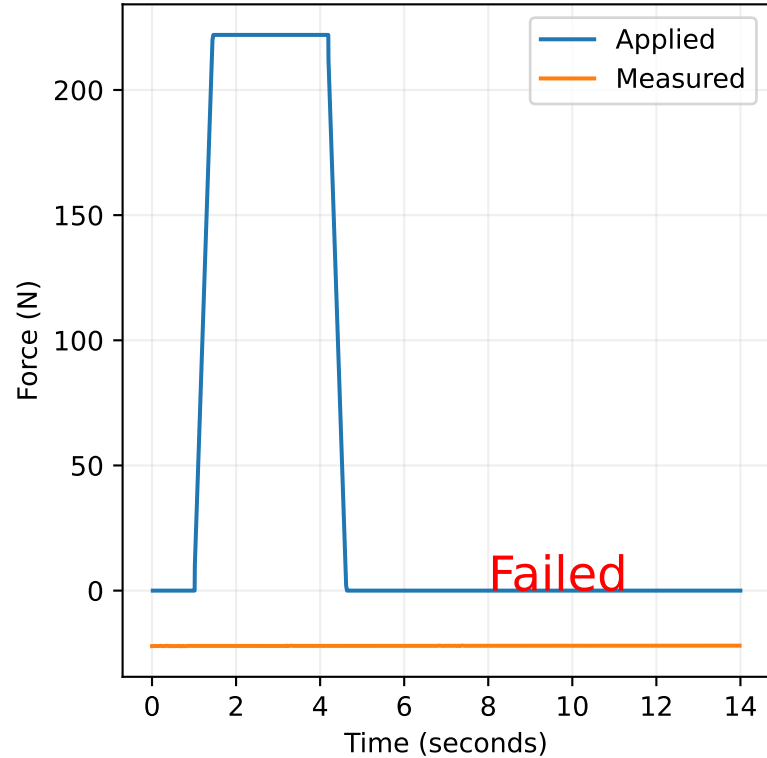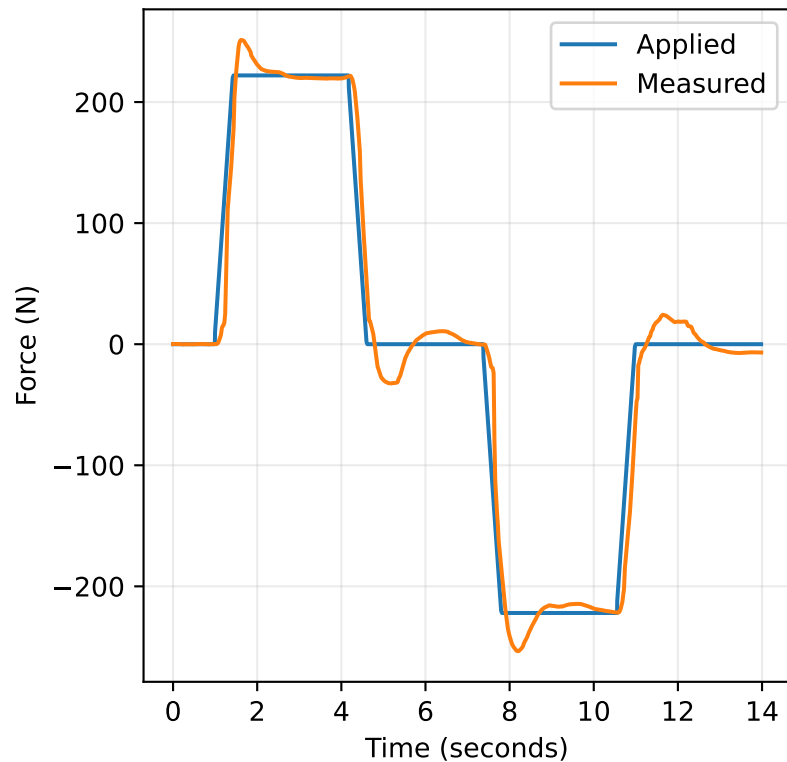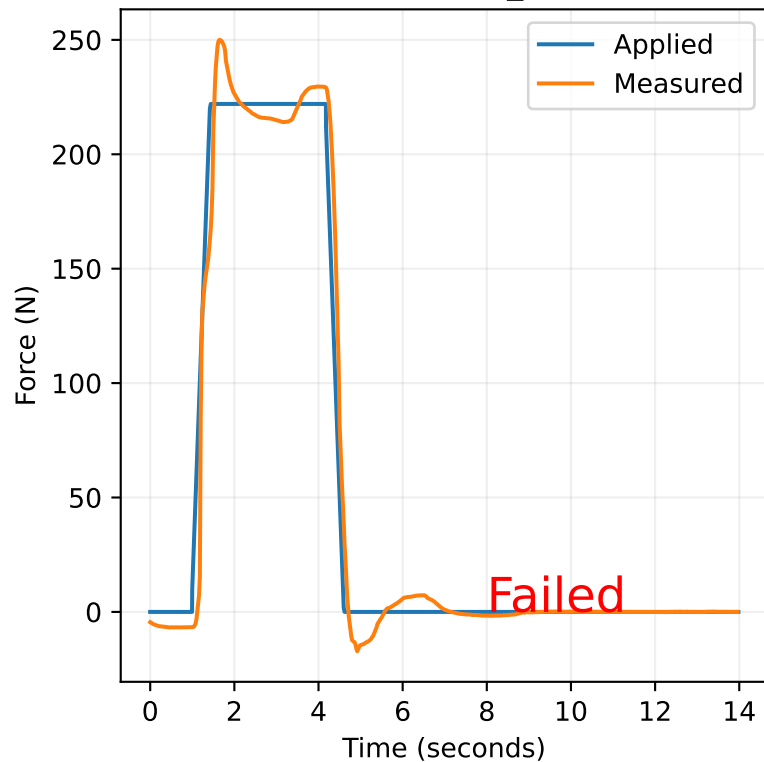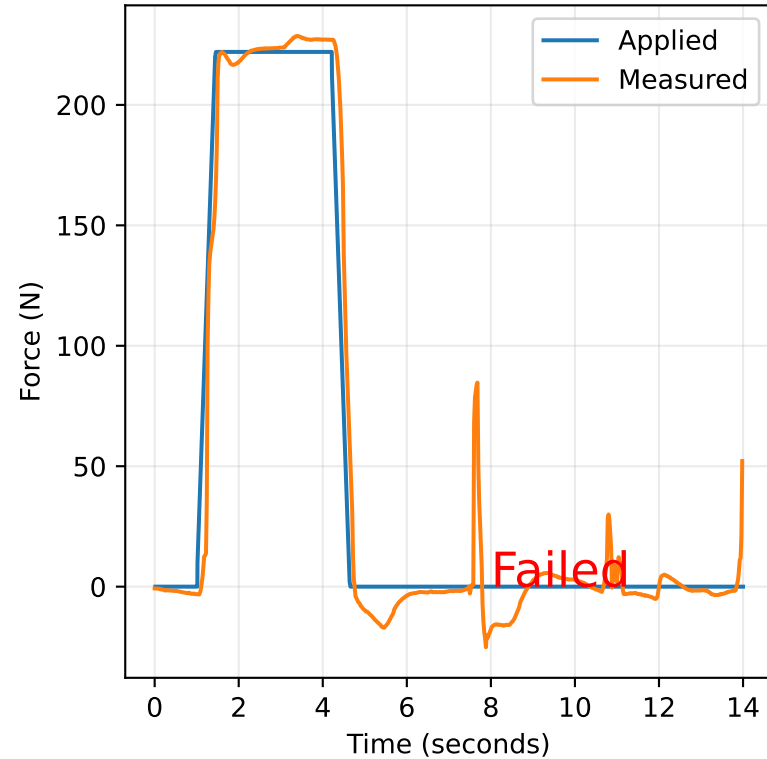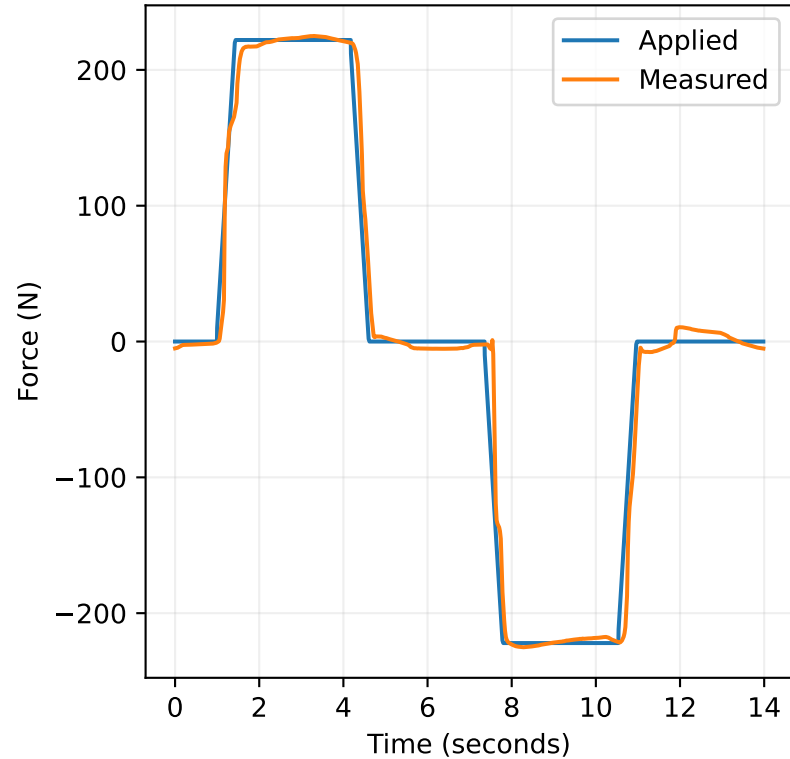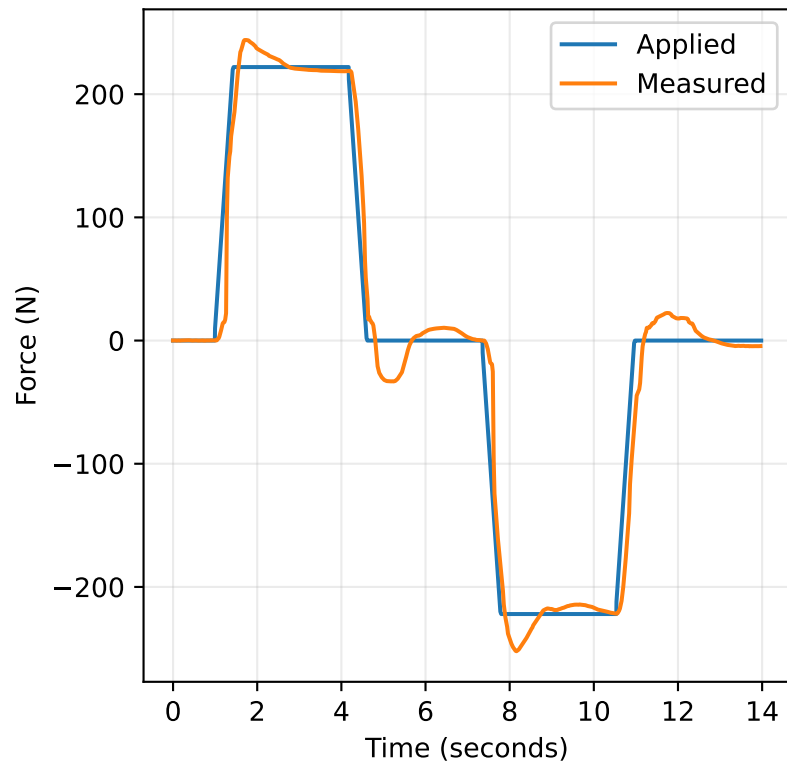Bump Test Response Delay. Actuator ID 438
2024-01-05T18:28:57

Bump Test Response Delay. Actuator ID 438
2024-01-05T18:28:57

Bump Test Response Delay. Actuator ID 311
2024-01-05T18:46:46

Bump Test Response Delay. Actuator ID 311
2024-01-05T18:46:46

Bump Test Response Delay. Actuator ID 238
2024-01-06T10:15:59

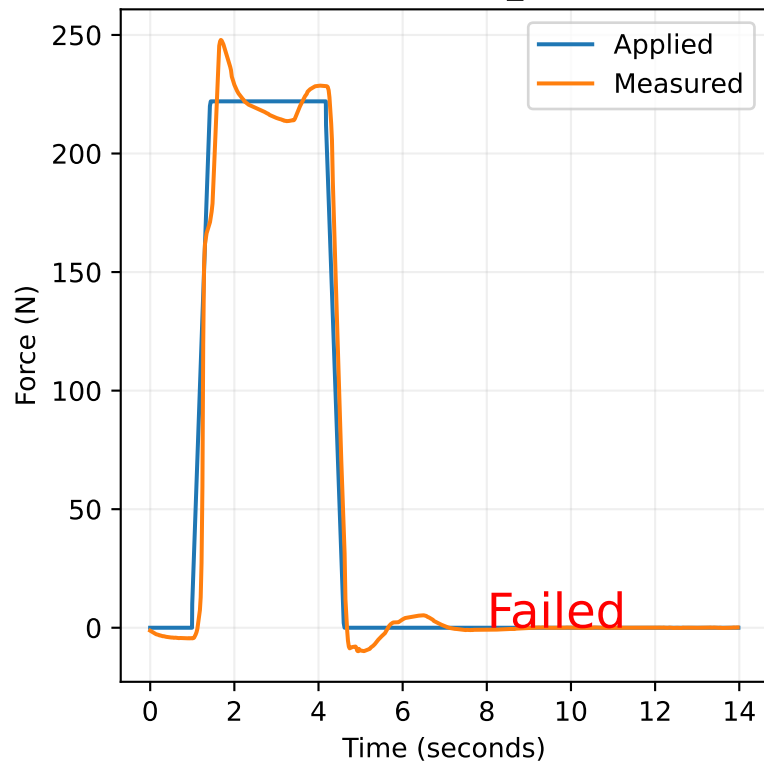# Bump Test Response Delay. Actuator ID 330
2024-01-06T10:29:59

Bump Test Response Delay. Actuator ID 238
2024-01-09T05:44:50

Primary - Z

Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 235
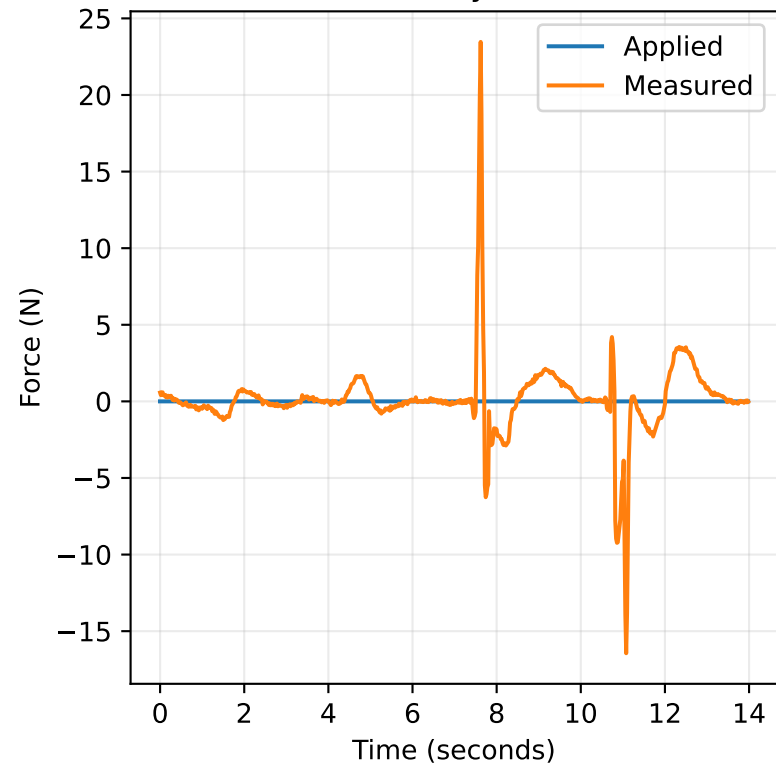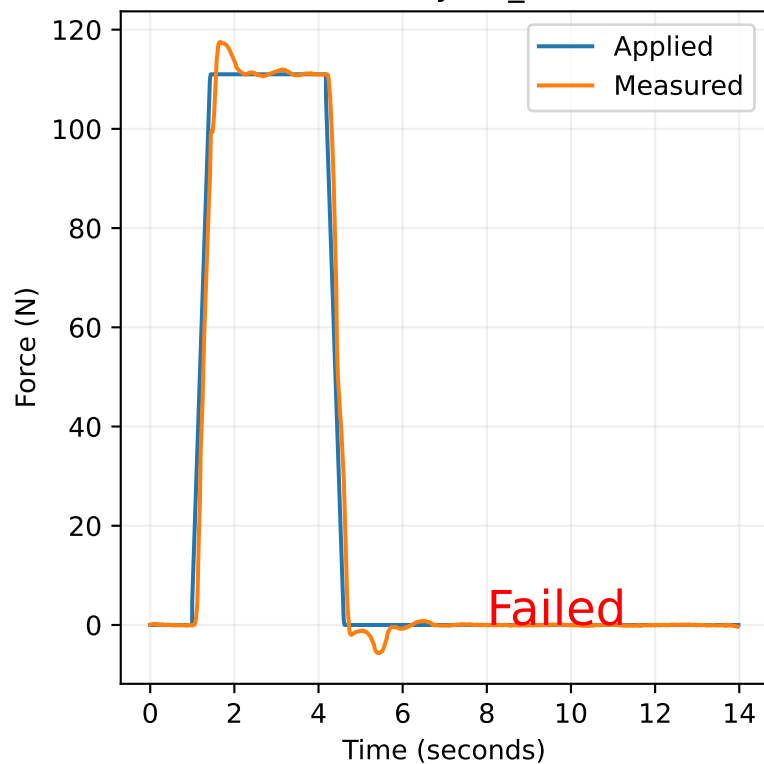2024-01-09T18:59:20

Bump Test Response Delay. Actuator ID 235
2024-01-09T18:59:20
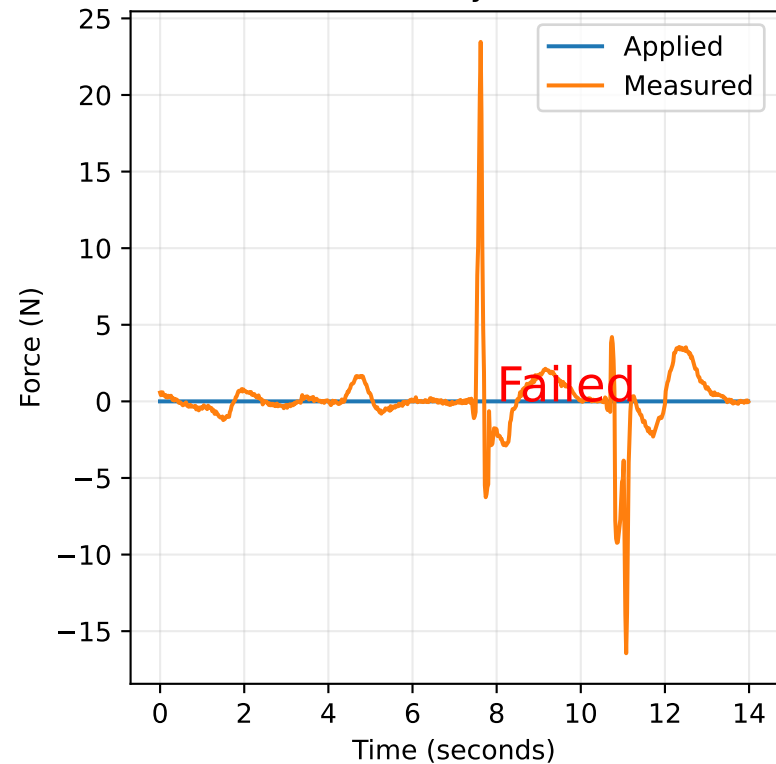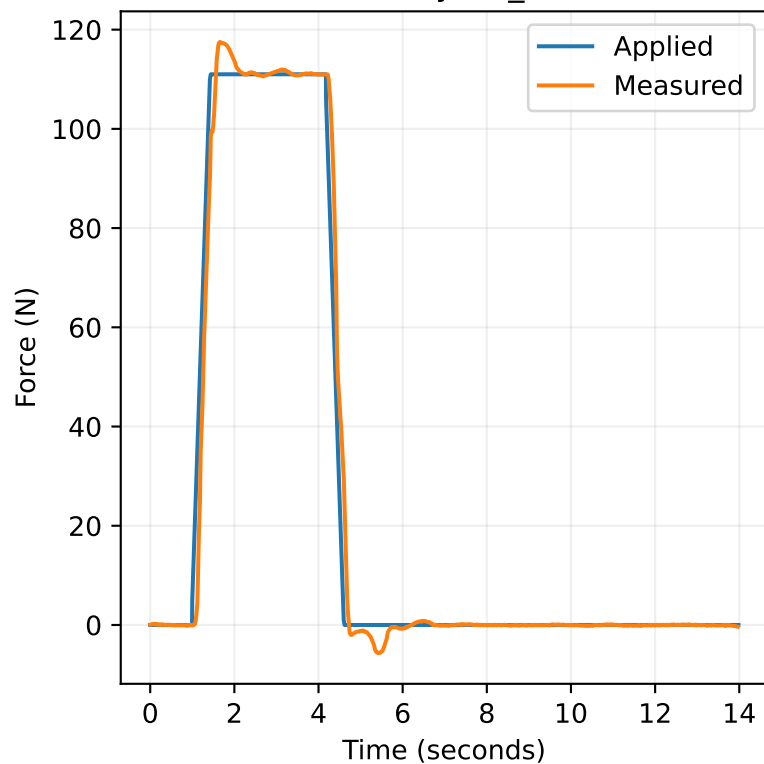
Bump Test Response Delay. Actuator ID 235
2024-01-09T18:59:20

Bump Test Response Delay. Actuator ID 235
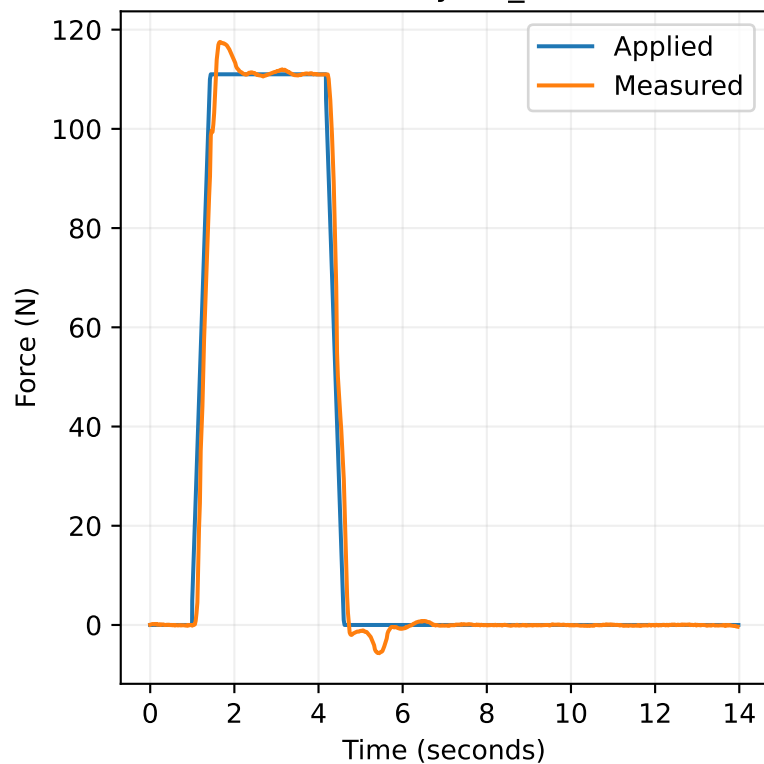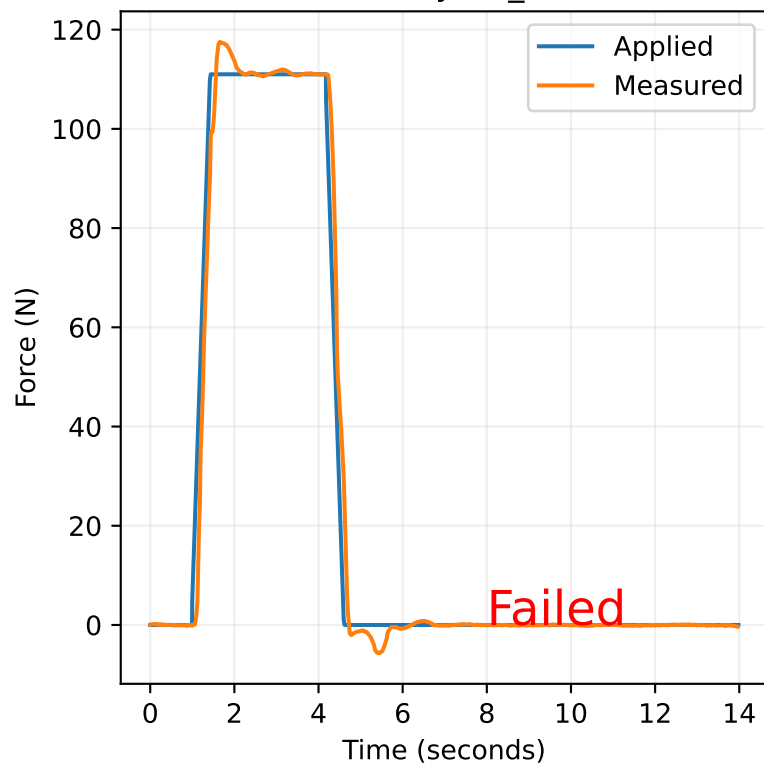2024-01-09T18:59:20
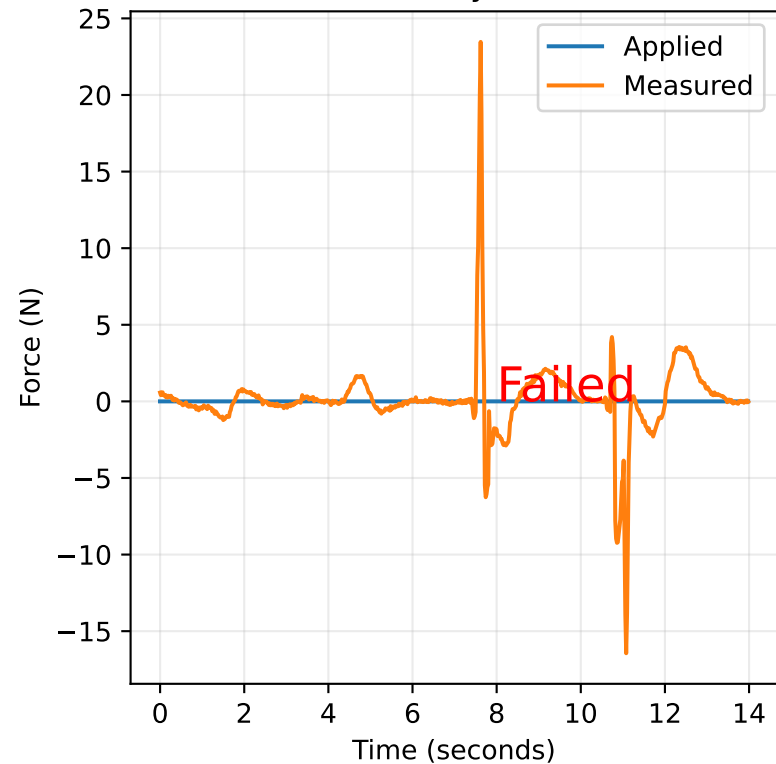
Bump Test Response Delay. Actuator ID 235
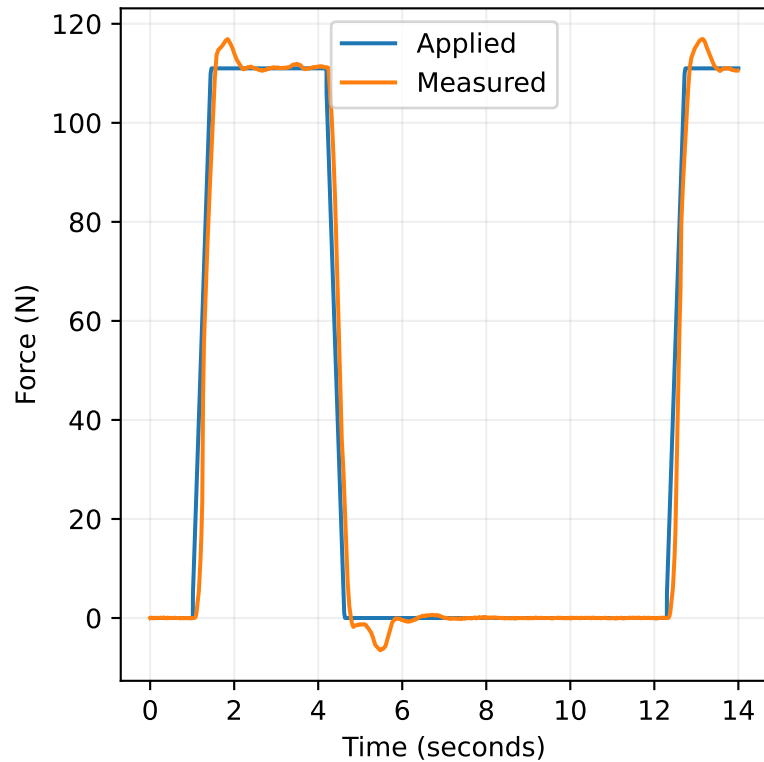2024-01-09T19:01:41

Bump Test Response Delay. Actuator ID 235
2024-01-09T19:01:41
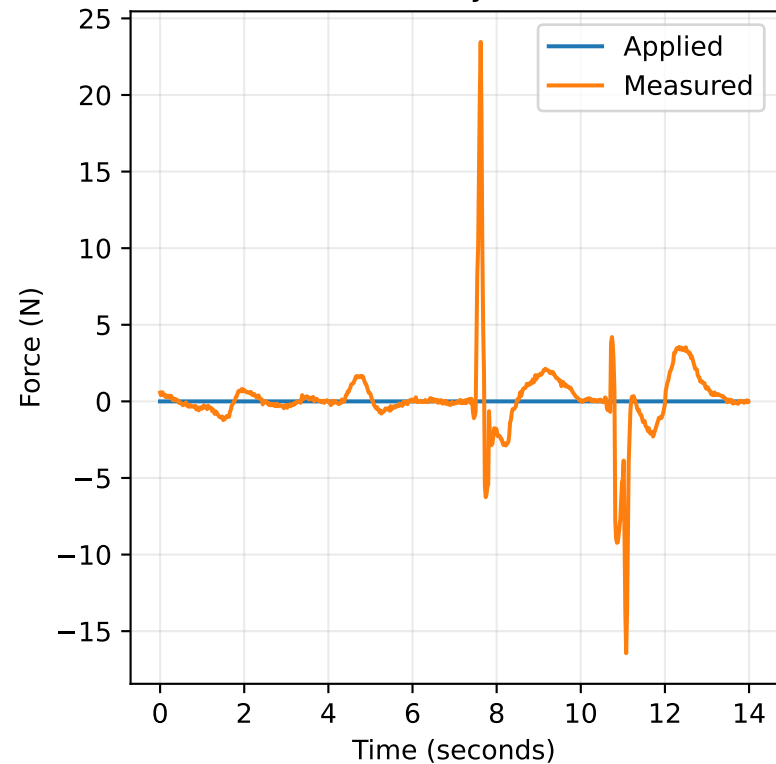
Bump Test Response Delay. Actuator ID 235
2024-01-09T19:01:41

Primary - Z

Applied
Measured

Force (N)

Time (seconds)

Secondary - X_PLUS

Applied
Measured

Force (N)

Failed

Time (seconds)
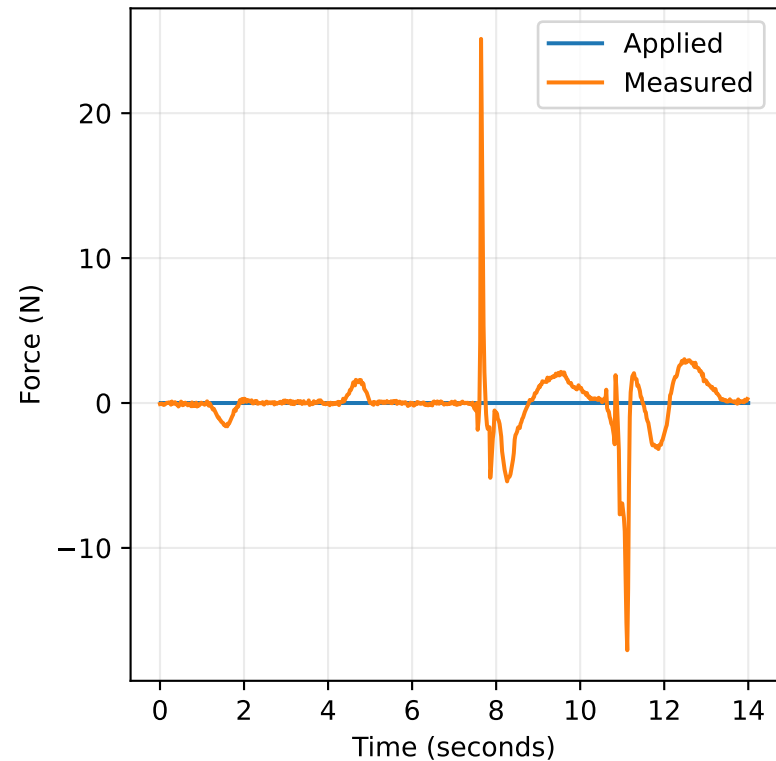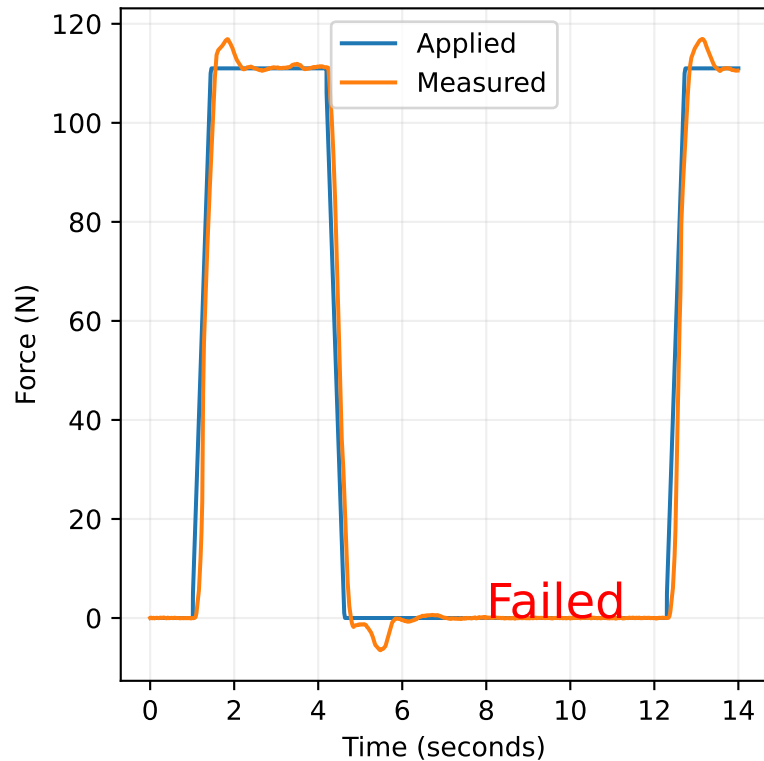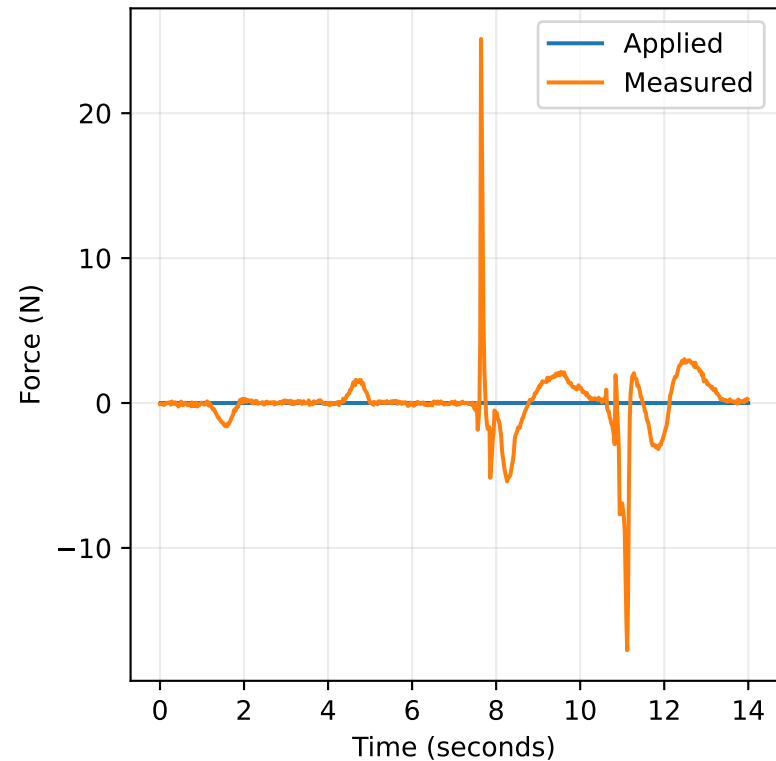
Bump Test Response Delay. Actuator ID 235
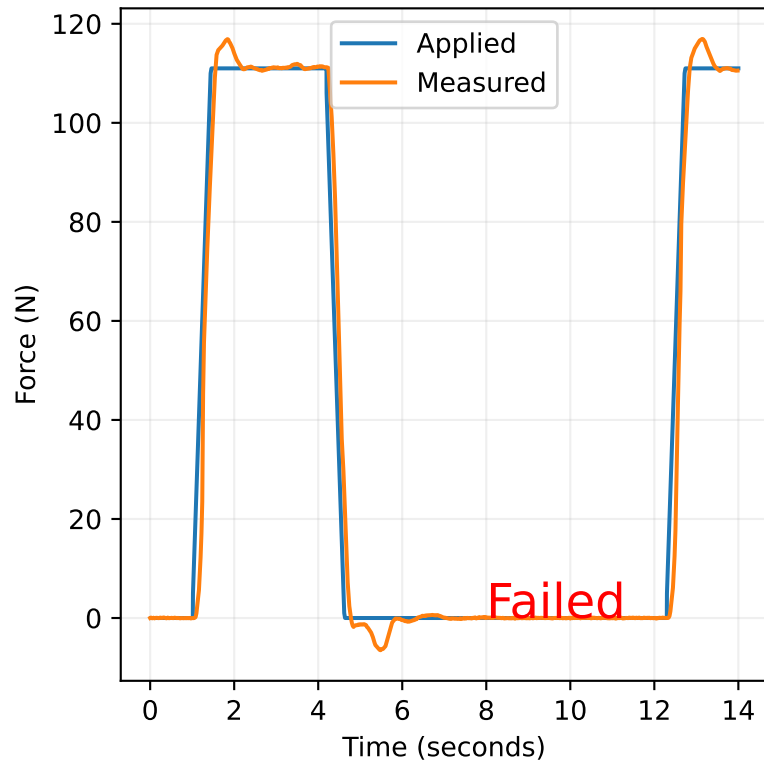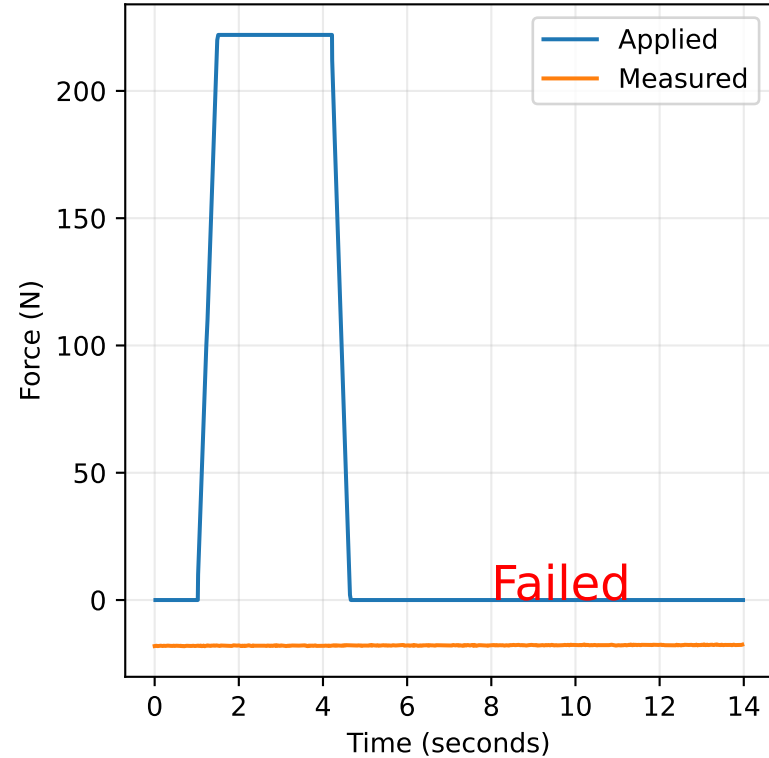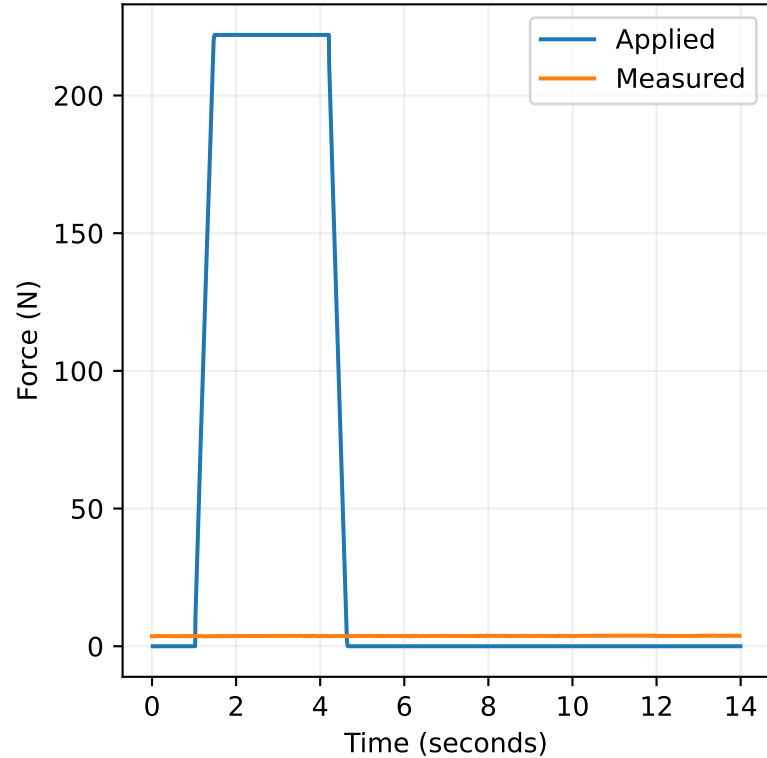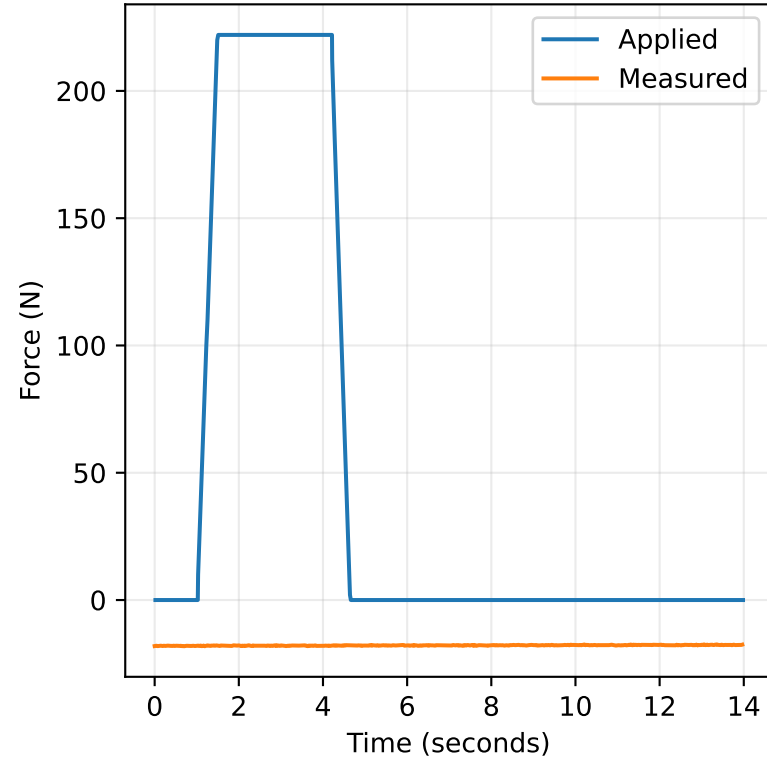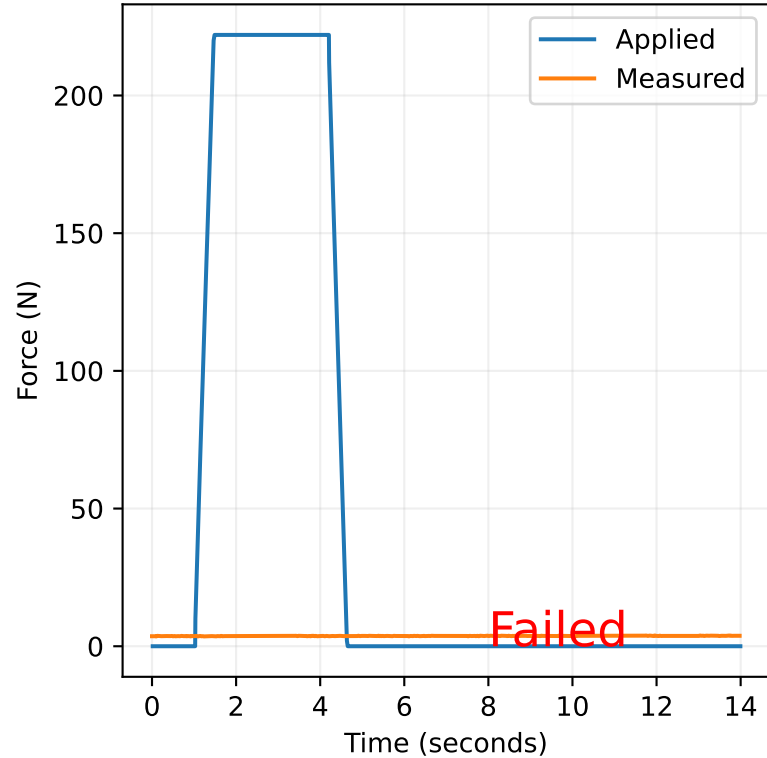## 2024-01-09T19:07:57

Bump Test Response Delay. Actuator ID 235
2024-01-09T19:07:57

Primary - Z

Secondary - X_PLUS

Failed
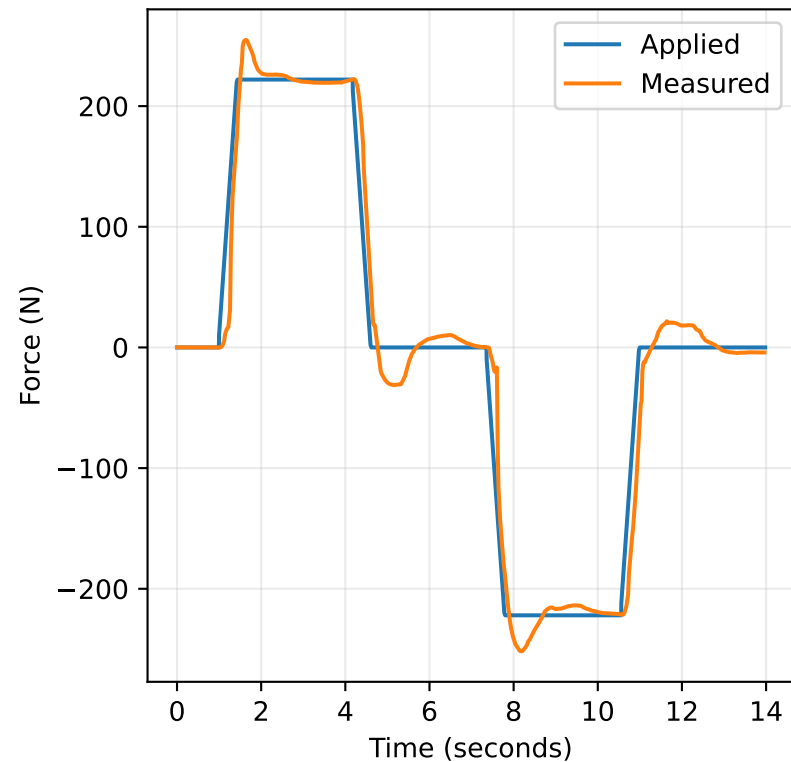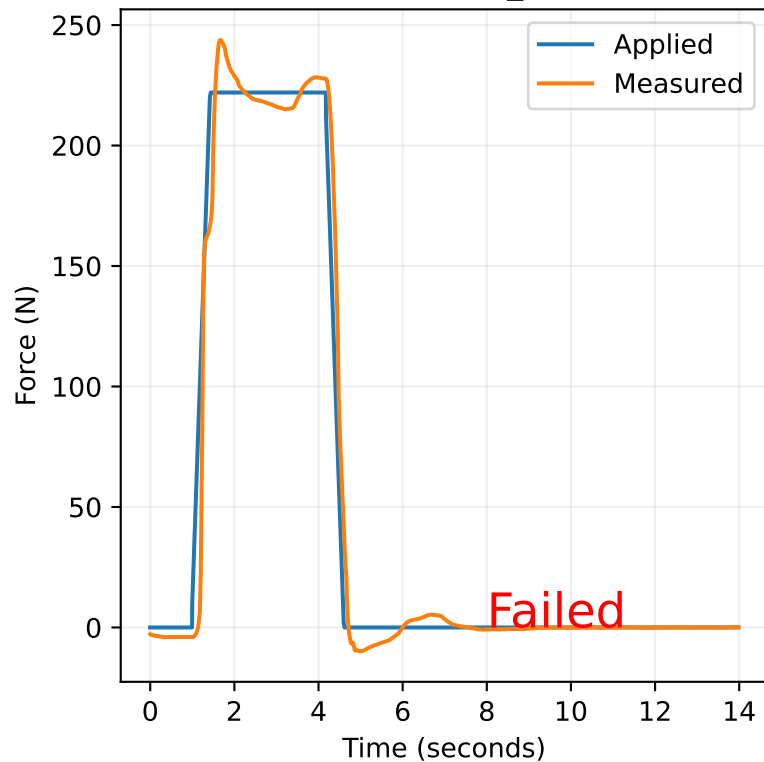
Bump Test Response Delay. Actuator ID 238
2024-01-10T06:29:01
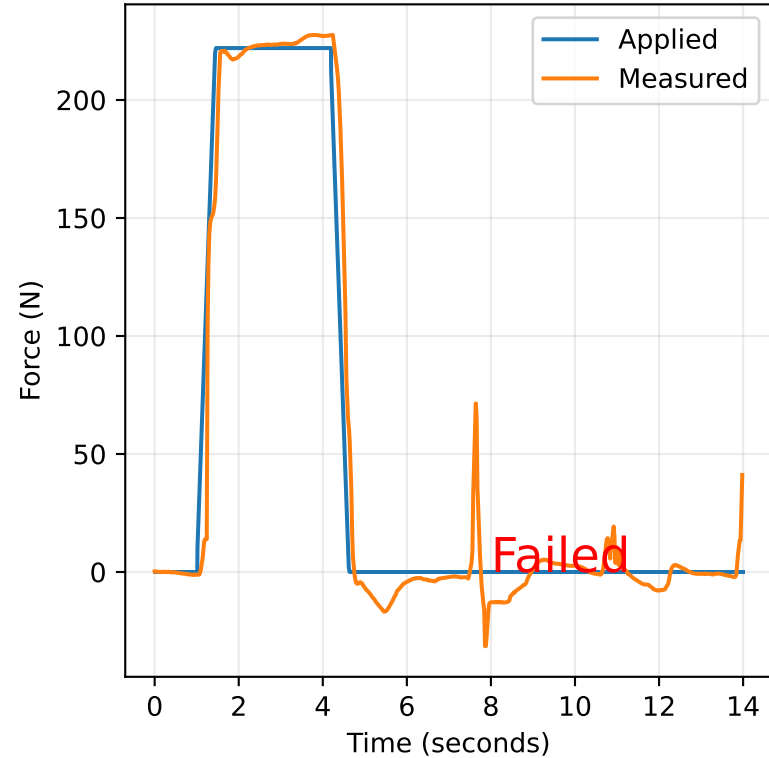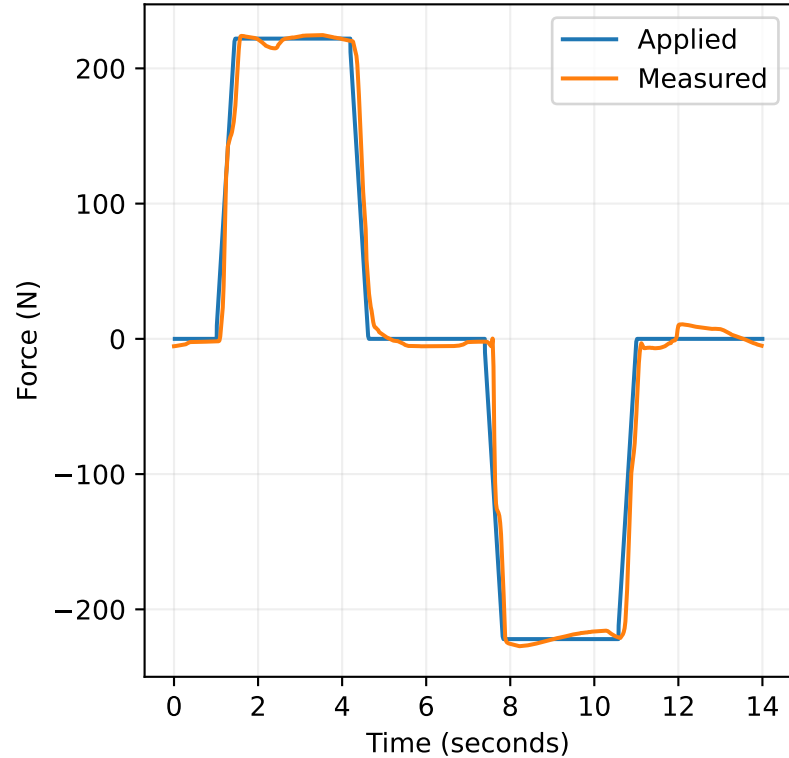
Bump Test Response Delay. Actuator ID 330
2024-01-10T06:43:01

Bump Test Response Delay. Actuator ID 322
2024-01-10T18:04:54
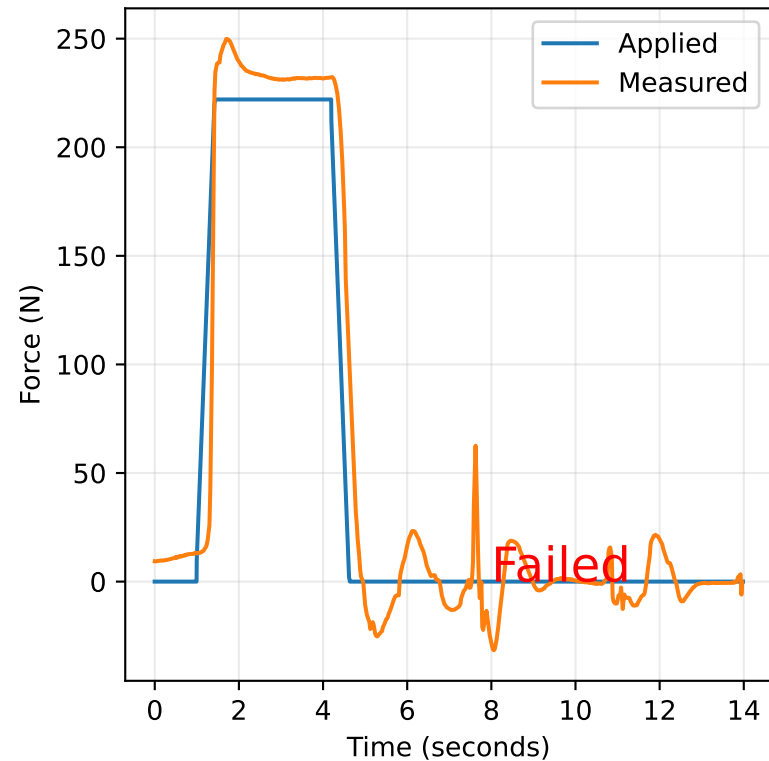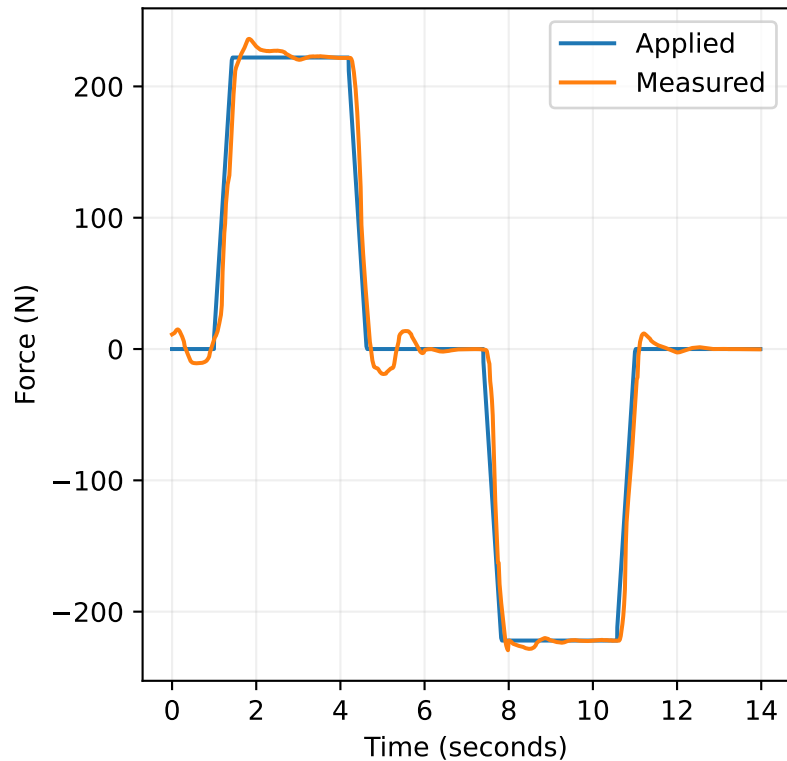
Bump Test Response Delay. Actuator ID 410
2024-01-11T03:32:16
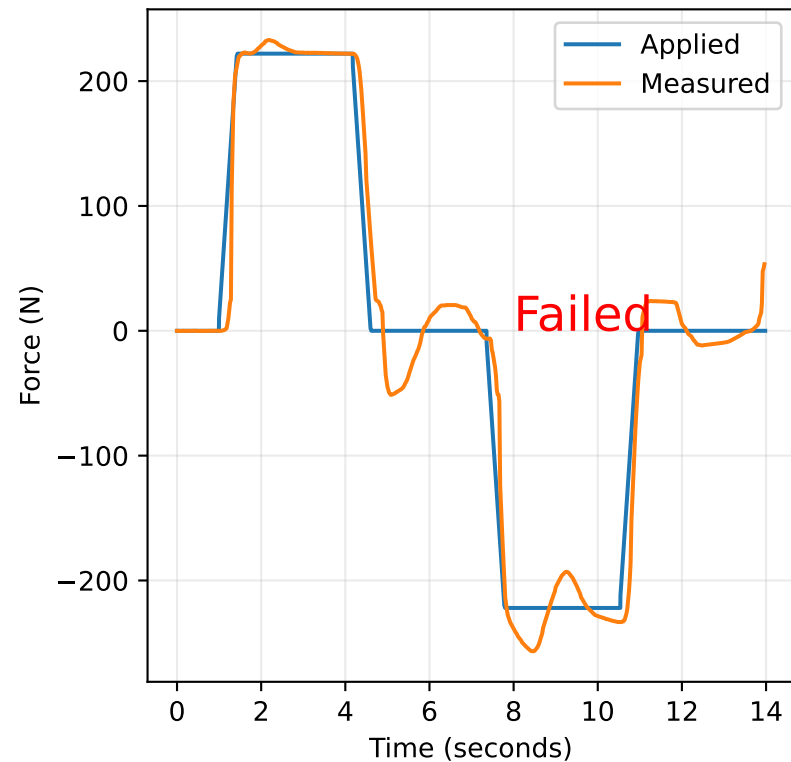
Bump Test Response Delay. Actuator ID 218
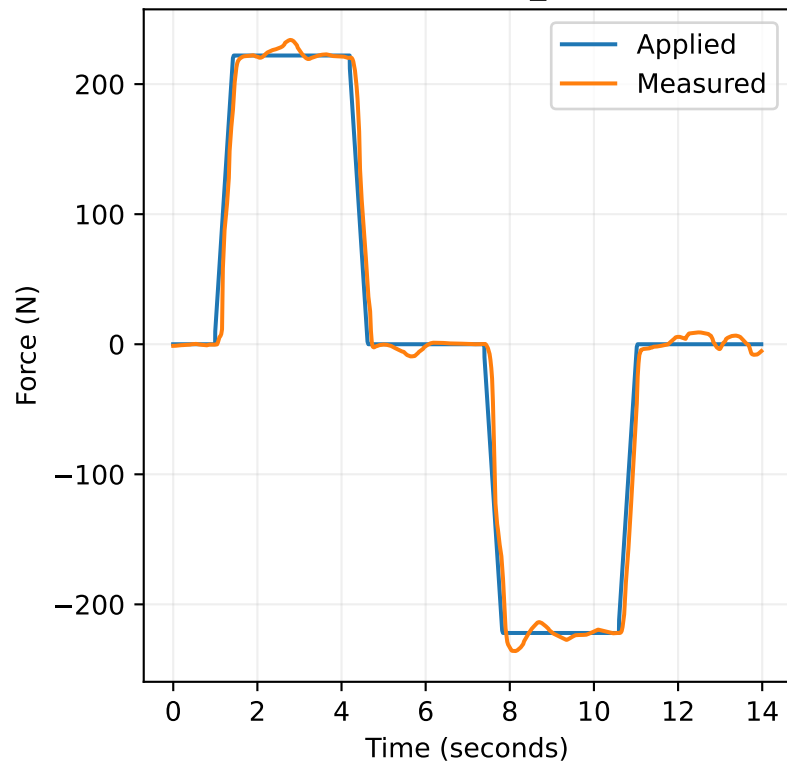## 2024-01-12T05:33:05
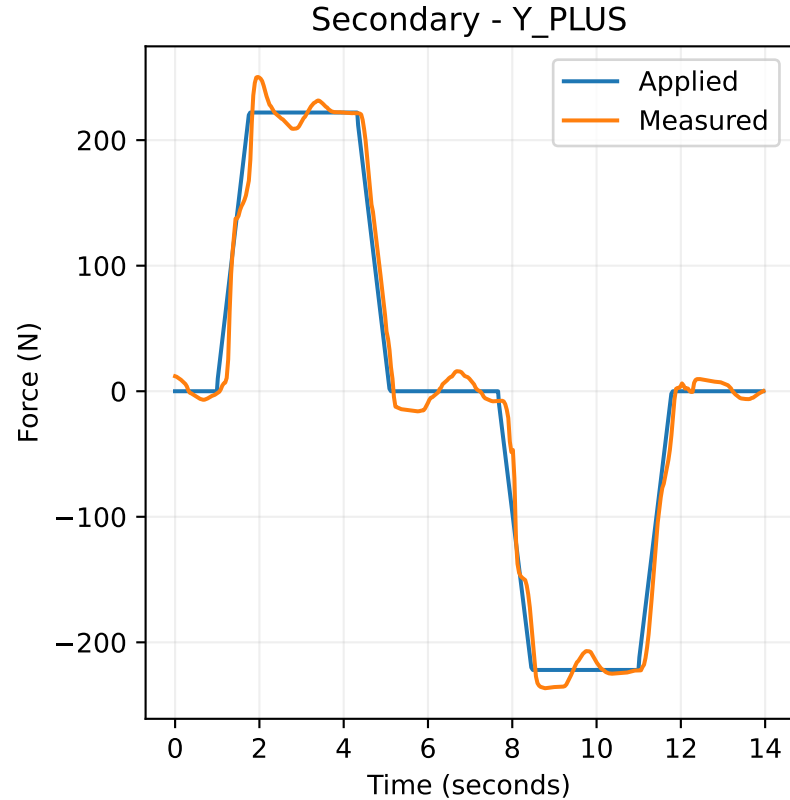
Bump Test Response Delay. Actuator ID 238
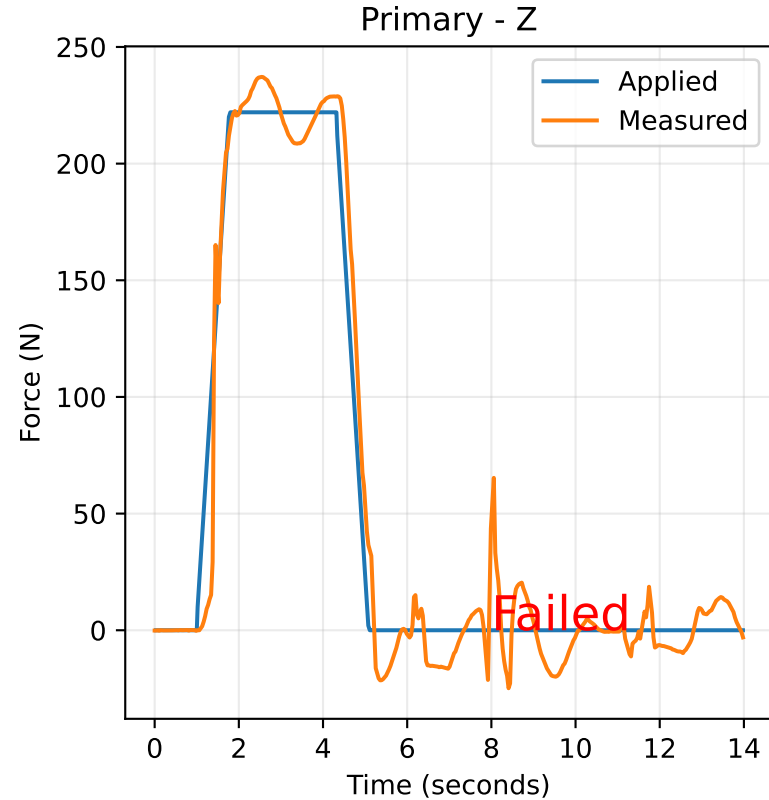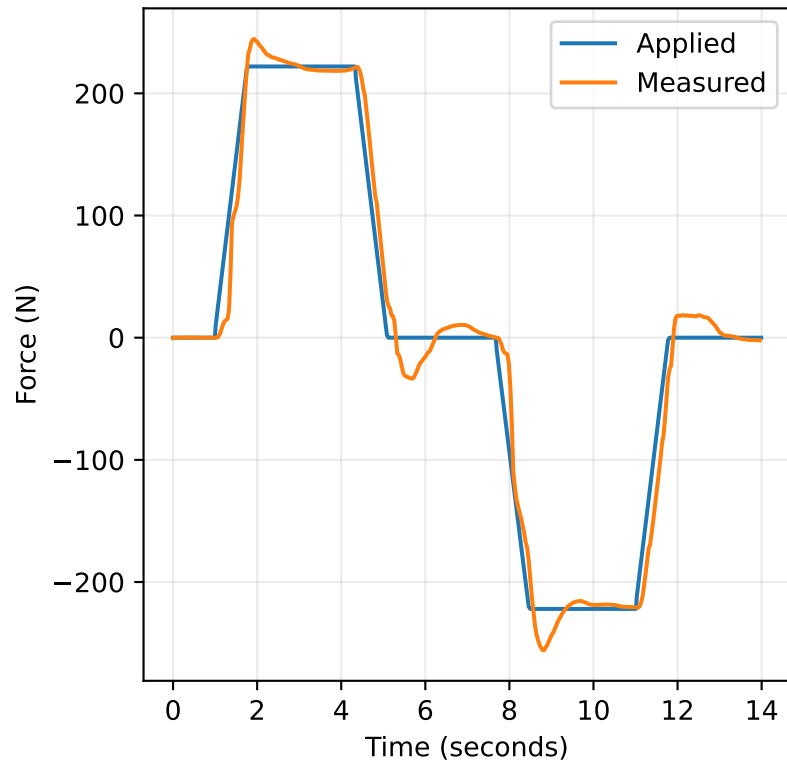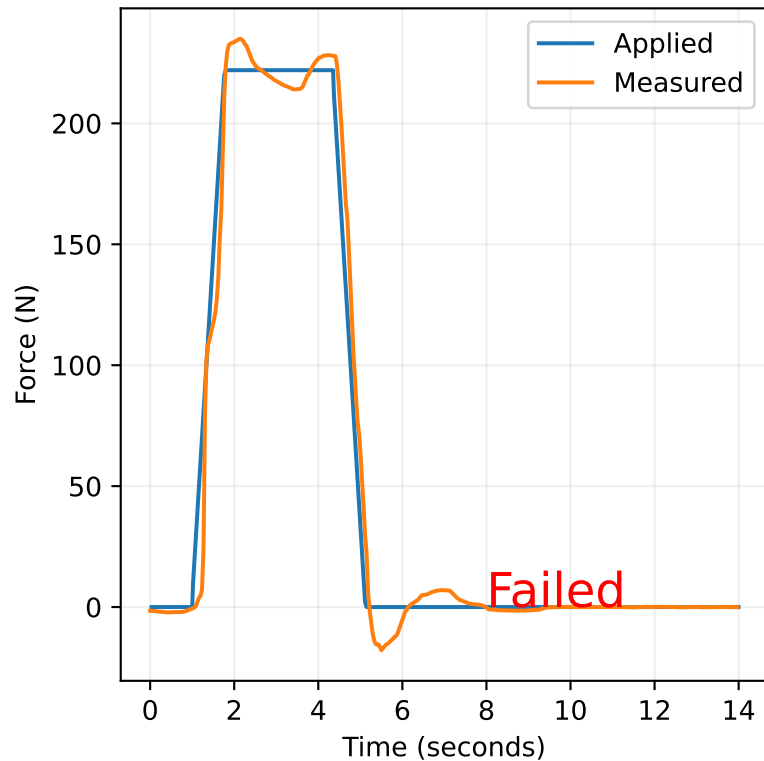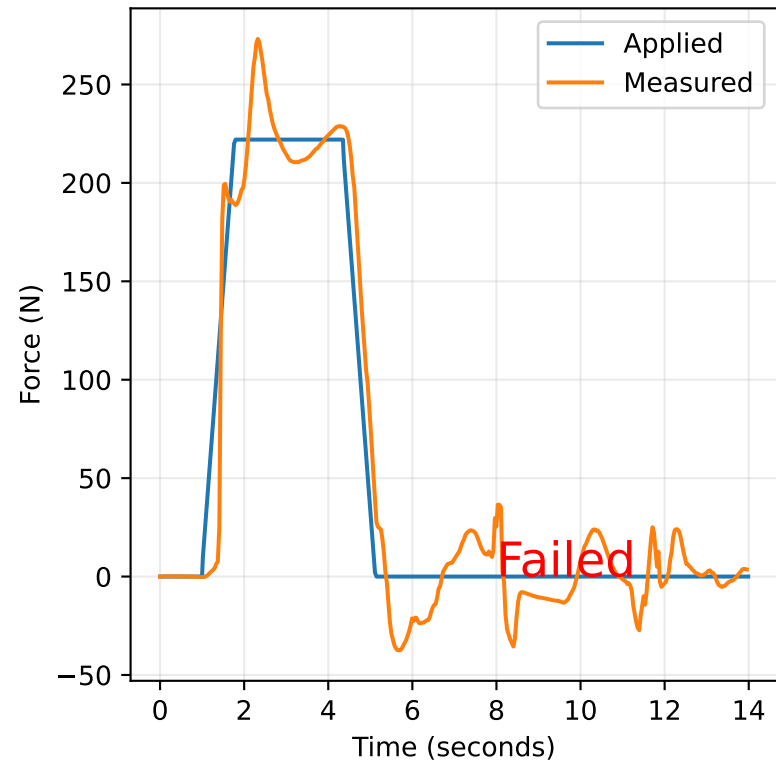## 2024-01-12T05:41:51

Primary - Z
Secondary - Y_PLUS

Failed

Bump Test Response Delay. Actuator ID 410
2024-01-12T06:03:19
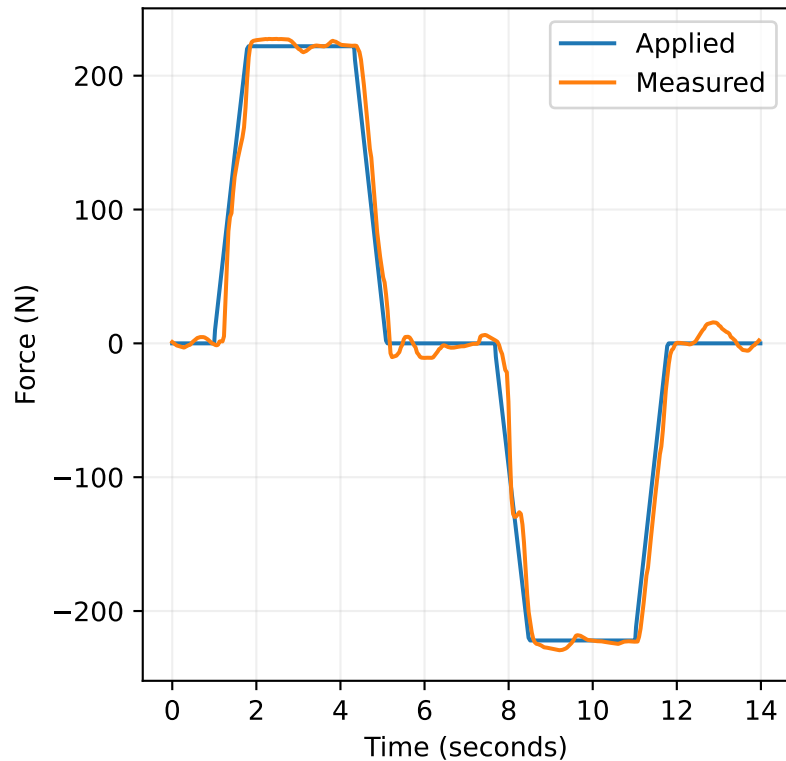
Bump Test Response Delay. Actuator ID 104
2024-01-12T23:51:43